

Argent Baseline

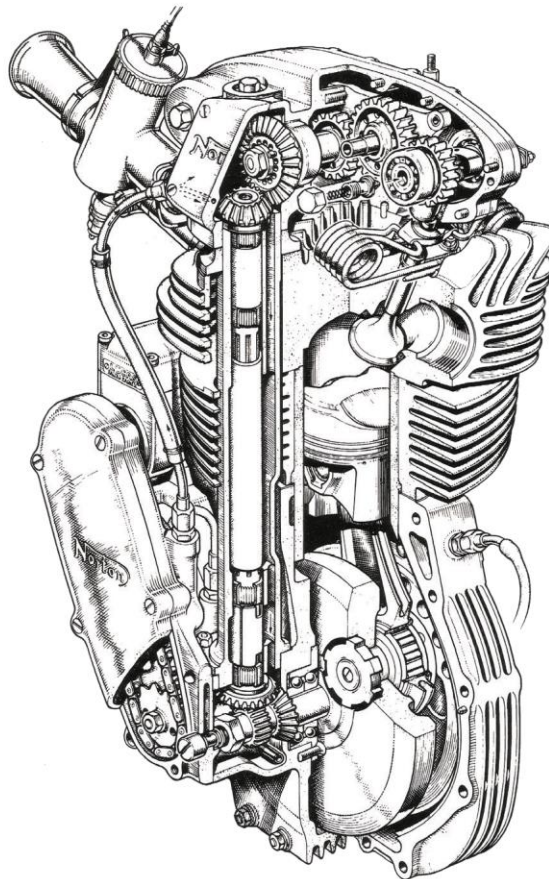


Table Of Contents

Introduction To Argent Omega	3
Log-On Screen.....	4
Home Screen	5
Argent Omega Four Building Blocks.....	15
Tool Sets – Set Of Pre-defined Rules For A Product	16
Relators	17
Workflows	23
Monitoring Groups	69
Generator Settings	75
Generator Configuration:.....	75
Argent Alert Mechanism Configuration.....	78
Configure SMS Generator.....	79
Configure Email Generator	80
Argent SIEM-Complete Configuration	88
Manage Archive Repository	89
License	91
Network Scan.....	92
Event Logs	97
Adding Devices To Google Maps.....	101
Adding Devices To Static Map	101
Set Device Location	102
Locations	107
Argent Omega Baseline	113
Service Level Agreement Rules	113
Windows Service Rules	119
Windows Program Rules	121
Windows Performance Rules	122
PowerShell Script Rules	129
WMI Script Rules	131

Introduction To Argent Omega

The Argent Omega is the next-generation Argent automation product, combining easy-to-use components with a scalable and reliable architecture.

Argent Omega provides a User Interface, which is a single pane of glass where you can see all the building blocks of Argent Monitoring products, **even from a tablet while you are sitting in Starbucks.**

The Argent Alert Mechanism in Argent Omega consolidates events from Primary, Secondary, and Trusted Generators.

Secondary Generators are the same as Daughter Engines in Argent Advanced Technology products.

Trusted Generators are the same as Trusted Engines in Argent Advanced Technology products.

Prerequisites

If you choose to use the Google Maps option, then a Google API key is required to access Google Maps in Location, Argent SuperMaps and Argent Topology Maps; apply the API key either in **Argent Omega Setup** or Argent Alert Mechanism settings under **Generator Settings**

ARGENT OMEGA (2.2A-2204-11) Pre-Production Version

Home Theme Argent Instant Help About Logout

Generator Settings

Google API Key:

Days To Keep Answered/Resolved Events: 7

Days To Keep Unanswered Events: 30

Days To Keep Archived Events: 100

☐ Save Archived Events To Database

Maximum Pending Events To Fire Alerts: 14,000 (Global)

Maximum Pending Events To Fire Alerts Per Hour: 500 (Global)

Maximum Pending Events To Process: 30 (Same Node, Rule And Relator From One Product)

Forward SMS Messages To Generator:

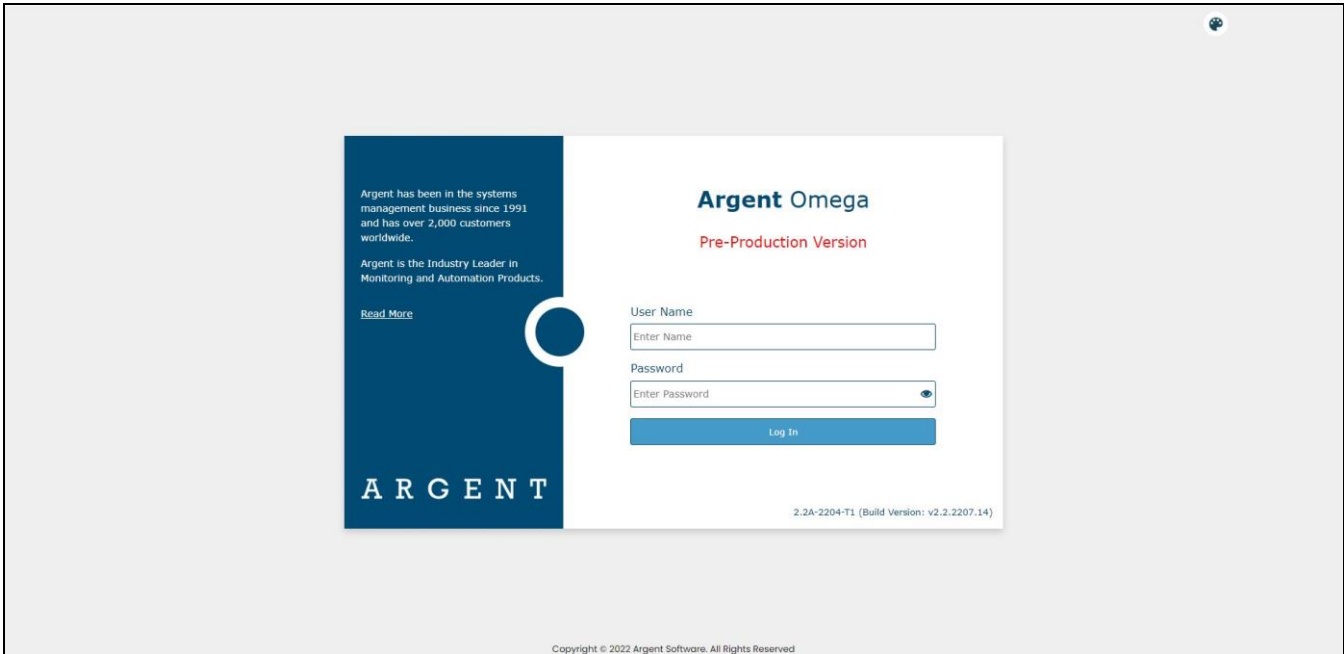
Forward Email Messages To Generator:

Default Location: NYC

Default Contact: Please Choose:

Save Undo Service Log

Log-On Screen



Argent Omega validates the authenticity of users through a Log-on screen.

There are three types of user accounts:

- Windows User Accounts
- Demo Accounts
- Internal Accounts

The Argent server is typically in an Active Directory Domain environment and the user is authenticated by Active Directory.

Local Windows user authentication is used instead if the Argent server is standalone or in a Workgroup. To use Windows user accounts, the best approach is to create a separate user group for Windows users and assign the required rights.

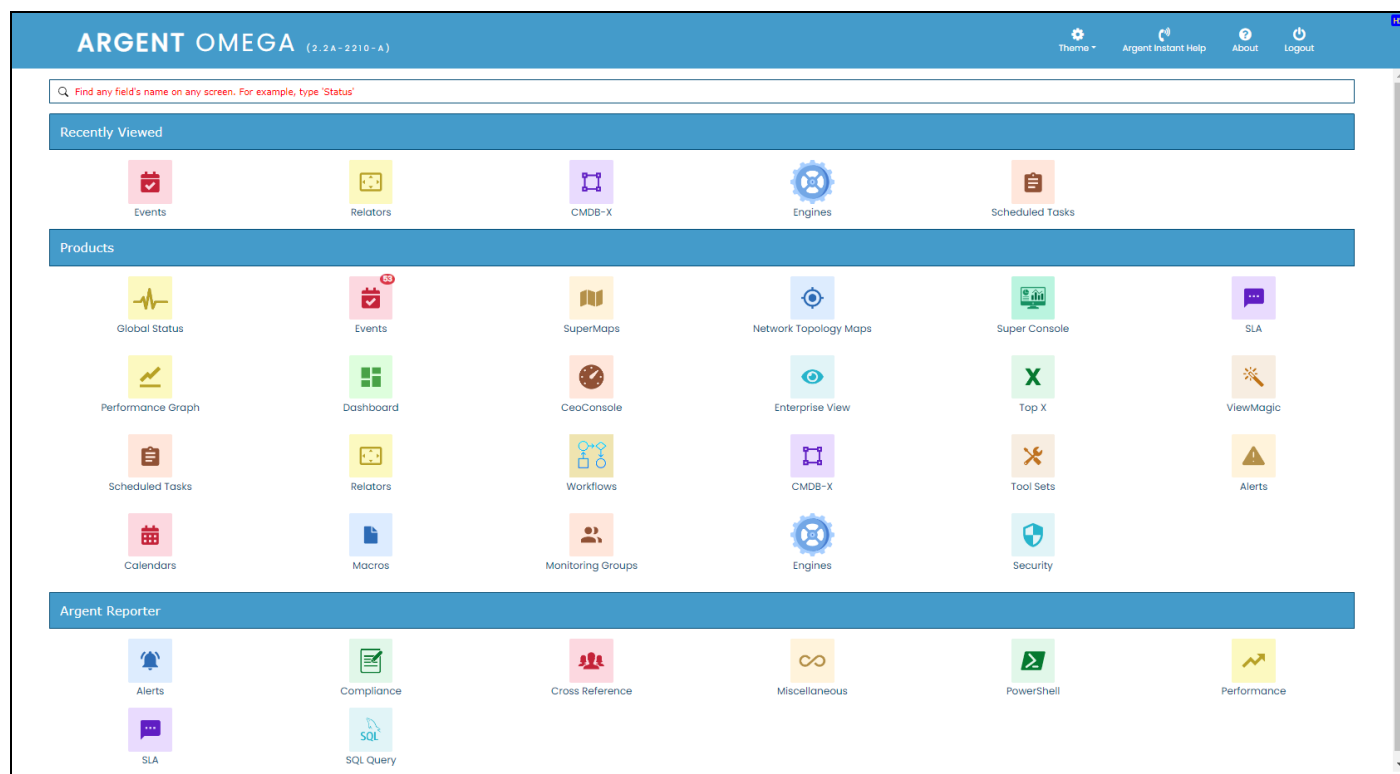
Demo accounts can be created in the **Argent Omega Security** section and are used for demonstration purposes. Demo accounts are read-only accounts and use Argent private authentication to login into Argent Omega. Demo accounts are usually only used temporarily for initial training and are limited to a few specific IP addresses. Argent engineers can create demo training accounts for you at no cost.

Internal accounts also can be created in the **Argent Omega Security** section, and **behave like normal Windows accounts**, using Argent's private authentication for login.

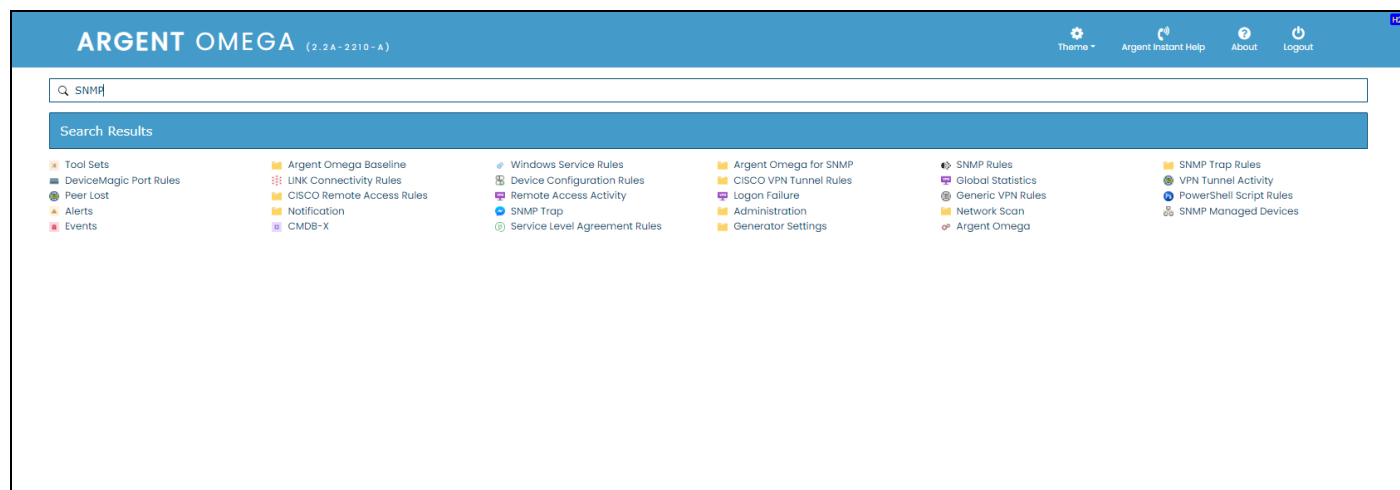
The Argent Omega username is case **insensitive** but the password is case sensitive.

Home Screen

After successful login, Argent Omega will redirect to home screen.



Argent Omega is a powerful search facility. It is possible to search any component or screen in Argent Omega by **screen tag**, label text, list's column name, etc.



You can sort items on the Home Screen based on its usage:

The screenshot displays the ARGENT OMEGA (2.2A-2210-A) Home Screen. At the top, there is a navigation bar with links for Themes, Argent Instant Help, About, and Logout. Below this is a search bar with the placeholder text "Find any field's name on any screen. For example, type 'Status'".

The main content area is divided into several sections:

- Recently Viewed:** This section shows a list of items: Events, Relators, CMDB-X, Engines, and Scheduled Tasks. Above this list is a sorting menu with two options: "Sort By Name" and "Sort By Most Used". The "Sort By Most Used" option is currently selected and highlighted with a red box. A "Refresh" button is also visible.
- Products:** This section displays a grid of various products, each with an icon and a count in parentheses. The products are sorted by most used. The products shown are: Workflows (136), Scheduled Tasks (120), CMDB-X (78), Events (66), Tool Sets (51), Relators (25), Engines (10), Monitoring Groups (8), Alerts (2), Top X (1), Calendars, CeoConsole, Dashboard, Enterprise View, Global Status, Macros, Network Topology Maps, Performance Graph, SLA, Security, Super Console, SuperMaps, ViewMagic.
- Argent Reporter:** This section shows a grid of reporting tools: Alerts, Compliance, Cross Reference, Miscellaneous, Performance, PowerShell, SLA, and SQL Query.

CMDB-X

In the software industry, CMDB stands for Configuration Management DataBase.

Argent added the 'X' for eXtensible.

A recent example of why this is so important to you is a customer that added a custom field to their CMDB-X to record **the expiry date of the firewall license**.

Providing the ability to add custom fields allows customers to use the Argent CMDB-X as an IT Asset Management tool.

The Argent CMDB-X provides an easy and streamlined way to manage all critical servers and devices, as well as all server and device properties and licensing, **from a single screen**. The Argent CMDB-X makes it easy for you to add multiple servers and devices in one batch – 11 or 77,000 -- license them to multiple Argent Omega Products and assign them to existing or new Locations and Network Groups, **all in one single click**.

The Argent CMDB-X provides complete network discovery of all servers and TCP/IP devices in the network using Active Directory, Network Browser, ICMP Ping, Windows Cluster and SNMP Discovery.

The Argent CMDB-X also has options to import from external Excel files.

The Argent CMDB-X has facilities to manually add or remove servers and devices, license single or multiple servers and devices in bulk groups, test connectivity to the monitored servers or devices.

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version							Home Theme * Argent Instant Help About Logout	
Search Server Or Device Network Group Scan Network							Properties	
Network Group Or Machine	Type	Alias	Licensed	Suspend	Location	Contact	Group Or Key	Value
570_WASH_2ND_FLR	Network Group				NYC		Name	Demo Group
570_WASH_2ND_FLR_ANNEX_A	Network Group				NYC		Type	Network Group
570_WASH_2ND_FLR_ANNEX_B	Network Group				NYC		Location	
570_WASH_2ND_FLR_ANNEX_C	Network Group				NYC		Contact	
570_WASH_2ND_FLR_ANNEX_C2	Network Group				NYC		VMware Parameters	
570_WASH_3RD_FLR	Network Group				NYC		XenServer Parameters	
570_WASH_4TH_FLR	Network Group				NYC		SNMP Parameters	
570_WASH_BASEMENT	Network Group				NYC		Extended Properties	
570_WASH_BAITS	Network Group				NYC		Description	
622_THIRD_33	Network Group				YONKER		Display Options Refresh	
622_THIRD_33_168	Network Group				YONKER			
622_THIRD_33_168B	Network Group				YONKER			
622_THIRD_33_168C	Network Group				YONKER			
622_THIRD_7	Network Group				YONKER			
622_THIRD_7B_EDS	Network Group				YONKER			
BACKBONE NETWORK	Network Group				NYC			
192.168.1.1	IP Device		Yes		COLDSPRING			
192.168.1.7	IP Device		Yes		COLDSPRING			
192.168.2.1	IP Device		Yes		NYC			
192.168.2.5	IP Device		Yes		NYC		Group Or Key	Value
192.168.3.10	IP Device		Yes		YONKER		Show Objects	All
192.168.3.11	IP Device		Yes		YONKER		Network Group	*
Demo Group	Network Group						Monitoring Group	*
							Type	*

The Argent Omega CMDB-X offers Network Group facility to group servers and devices. The Network Group popup menu provides the options to add, delete, or rename Network Groups.

ARGENT OMEGA (2.2A-2204-11) Pre-Production Version

HomeThemeArgent Instant HelpAboutLogout

Search

Server Or DeviceNetwork GroupScan Network

New Network Group

Delete

Rename

Network Group Or Machine	Type	Alias	Licensed	Suspend	Location	Contact
570_WASH_2ND_FLR	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_A	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_B	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_C	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_C2	Network Group				NYC	
570_WASH_3RD_FLR	Network Group				NYC	
570_WASH_4TH_FLR	Network Group				NYC	
570_WASH_BASEMENT	Network Group				NYC	
570_WASH_BATTS	Network Group				NYC	
622_THIRD_33	Network Group				YONKER	
622_THIRD_33_168	Network Group				YONKER	
622_THIRD_33_168B	Network Group				YONKER	
622_THIRD_33_168C	Network Group				YONKER	
622_THIRD_7	Network Group				YONKER	
622_THIRD_7B_EDS	Network Group				YONKER	
BACKBONE NETWORK	Network Group				NYC	
192.168.1.1	IP Device		Yes		COLDSPRING	
192.168.1.7	IP Device		Yes		COLDSPRING	
192.168.2.1	IP Device		Yes		NYC	
192.168.2.5	IP Device		Yes		NYC	
192.168.3.10	IP Device		Yes		YONKER	
192.168.3.11	IP Device		Yes		YONKER	
Demo Group	Network Group					

Group Or Key

Value

Name

Demo Group

Type

Network Group

Location

Contact

VMware Parameters

XenServer Parameters

SNMP Parameters

Extended Properties

Description

Display Options

Refresh

Group Or Key

Value

Show Objects

All

Network Group

*

Monitoring Group

*

Type

*

The context menu options available for various functionalities:

ARGENT OMEGA (2.2A-2204-11) Pre-Production Version

HomeThemeArgent Instant HelpAboutLogout

Search

Server Or DeviceNetwork GroupScan Network

Refresh

Suspend Monitoring

Reactivate

Save Changes

Undo

Add Property

Delete

Discover Neighbor Links

Wireless Clients

Set Critical Flag

Set Ignore Flag

Manually Add Server Or Device

Test Connectivity

Bulk Licensing

Export To Excel CSV

Backup CMDB-X Database

Restore

Network Group Or Machine	Type	Alias	Licensed	Suspend	Location	Contact
570_WASH_2ND_FLR	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_A	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_A_SERVER_18	Windows Server		Yes			
570_WASH_2ND_FLR_ANNEX_A_SERVER_3	Windows Server		Yes			
570_WASH_2ND_FLR_ANNEX_A_SERVER_33	Windows Server		Yes			
570_WASH_2ND_FLR_ANNEX_A_SERVER_48	Windows Server		Yes			
570_WASH_2ND_FLR_ANNEX_B	Network Group					
570_WASH_2ND_FLR_ANNEX_C	Network Group					
570_WASH_2ND_FLR_ANNEX_C2	Network Group					
570_WASH_3RD_FLR	Network Group					
570_WASH_4TH_FLR	Network Group					
570_WASH_BASEMENT	Network Group					
570_WASH_BATTS	Network Group					
622_THIRD_33	Network Group					
622_THIRD_33_168	Network Group					
622_THIRD_33_168B	Network Group					
622_THIRD_33_168C	Network Group					
622_THIRD_7	Network Group					
622_THIRD_7B_EDS	Network Group					
BACKBONE NETWORK	Network Group				NYC	
192.168.1.1	IP Device		Yes		COLDSPRING	
192.168.1.7	IP Device		Yes		COLDSPRING	
192.168.2.1	IP Device		Yes		NYC	
192.168.2.5	IP Device		Yes		NYC	
192.168.3.10	IP Device		Yes		YONKER	

Group Or Key

Value

Name

570_WASH_2ND_FLR_ANNEX_A_SE...

Licensed Products

Argent Omega Baseline

Alias

Windows Server

Hosting Environment

None

SNMP Managed

No

SQL Server Installed

No

TCP Parameters

System Info Caching Minutes

Never

Monitoring Level

Low

Tier

Not Specified

Tag

Location

NYC

Contact

Owner Accounts

570_WASH_2ND_FLR_ANNEX_A

Default Settings

Time Zone Settings

Same as Location

Critical

No

Ignored

No

Display Options

Refresh

Group Or Key

Value

Show Objects

All

Network Group

*

Monitoring Group

*

Type

*

The **Suspend Monitoring** option suspends the selected servers from monitoring. This will skip the normal execution of Relators for the suspended servers or devices. For example, if you have maintenance on specific servers or devices, you can configure Argent Omega to stop monitoring those servers or devices during specific time period or until they are manually re-activated by the Administrator.

A configuration dialog will pop up when clicking this option and you can select the suspension options:

The screenshot shows a dialog box titled "Suspend Server Or Device" with a blue header bar containing the text "D2C" and a close button. The main content area is titled "Options" and contains three radio button options: "Until Administrator Re-Activate The Node" (selected), "Last For (dd HH:mm:ss)" with a text input field showing "01 00:00:00", and "Until" with a date/time picker showing "Monday, 18 Jul 2022 23:59:59". Below these options is a checkbox labeled "Continue Corrective Alerts And Argent Forecaster Data, No Notification Alerts". At the bottom of the dialog are "OK" and "Cancel" buttons.

Reactivate option re-activates the suspended devices.

The **Manually Add Server Or Device** option allows you to manually add a server or device into CMDB-X.

A configuration dialog will pop up when clicking this option, asking the Name, Type, Domain, Network Group, Location, etc.

The screenshot shows a dialog box titled "Manually Add An Entry" with a blue header bar containing the text "D2B". The main content area contains several input fields and dropdown menus: "Name:" (text input), "Alias:" (text input), "Domain:" (text input), "VM Hosting Environment:" (dropdown menu with "None" selected), "Type:" (dropdown menu with "Windows Server" selected), "Network Group:" (dropdown menu with "Demo Group" selected), and "Location:" (dropdown menu with "MUMBAI" selected). At the bottom of the dialog are "OK" and "Cancel" buttons.

Test Connectivity option checks connectivity to the selected server or device.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The main table lists network groups and machines. A context menu is open over the selected machine 'ATS-2020-3', with 'Test Connectivity' highlighted in red. The right pane shows the properties for the selected machine.

Network Group Or Machine	Type	Alias	Licensed	Suspend	Location	Contact
First Network Group	Network Group				NYC	
ATS-2020-3	Windows Server		Yes		NYC	

Refresh

Suspend Monitoring

Reactivate

Save Changes

Undo

Add Property

Delete

Discover Neighbor Links

Wireless Clients

Device Configuration Backups

Set Critical Flag

Set Ignore Flag

Manually Add Server Or Device

Test Connectivity

Bulk Licensing

Export To Excel CSV

Backup CMDb-X Database

Restore

Group Or Key	Value
Name	ATS-2020-3
Licensed Products	Argent Omega Baseline
Alias	
Windows Server	
Hosting Environment	None
SNMP Managed	No
SQL Server Installed	No
TCP Parameters	
System Info Caching Minutes	Never
Monitoring Level	Low
Tier	Not Specified
Tag	
Location	NYC
Contact	
Owner Accounts	
Default Settings	
Time Zone Settings	Same as Location
Critical	No
Ignored	No

Display Options Refresh

Group Or Key	Value
Show Objects	All
Network Group	*
Monitoring Group	*
Type	*

This option uses the selected server or device's CMDb-X properties configured in the right pane for connectivity testing. When clicking **Test Connectivity** context menu option, a Generator selection dialog will pop up asking to select the Generator to run the connectivity test.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. A dialog box titled 'Select Generator To Run Connectivity Test' is open, showing a list of generators. The 'Name' field is set to '{default}'. The right pane shows the properties for the selected machine 'AI-2019-009'.

Network Group Or Machine	Type	Alias	Licensed	Suspend	Location	Contact
Demo Group	Network Group					
First Network Group	Network Group				MUMBAI	
AI-2019-009	Windows Server		Yes		NYC	

Select Generator To Run Connectivity Test

Name: {default}

{default}

AI-2019-009

OMEGA_MOTOR

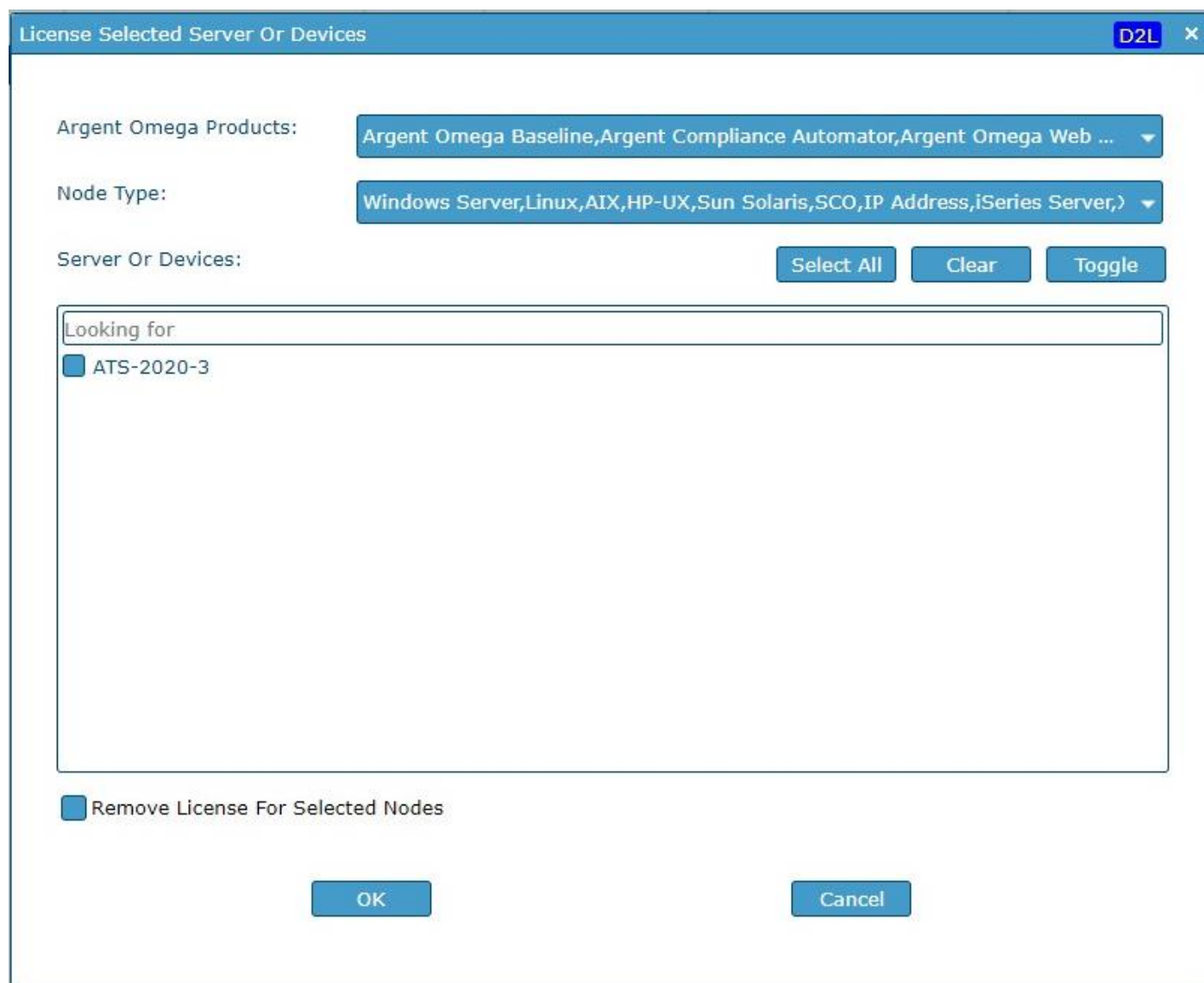
Group Or Key	Value
Name	AI-2019-009
Licensed Products	Argent Omega Baseline
Alias	
Windows Server	
Hosting Environment	None
SNMP Managed	No
SQL Server Installed	No
TCP Parameters	
System Info Caching Minutes	Never
Monitoring Level	Low
Tier	Not Specified
Tag	
Location	NYC
Contact	
Owner Accounts	
Default Settings	
Time Zone Settings	
Critical	No
Ignored	No
Logical Dependency	
Installed Applications	
Extended Properties	

Display Options Refresh

Group Or Key	Value
Show Objects	All
Network Group	*
Monitoring Group	*
Type	*

Leave it as "{default}" if you want to use the current Primary Generator to run the connectivity test. Click OK to run the connectivity test. The test results will be displayed in a pop up window, as shown below:

Bulk Licensing option is to license a group of servers in the CMDB-X. A configuration dialog will pop up when clicking this option, asking to select the servers to license, products to be licensed for selected servers, etc.



The dialog box is titled "License Selected Server Or Devices" with a blue header bar containing a "D2L" button and a close "X" icon. It features three main configuration sections: "Argent Omega Products:" with a dropdown menu showing "Argent Omega Baseline, Argent Compliance Automator, Argent Omega Web ..."; "Node Type:" with a dropdown menu showing "Windows Server, Linux, AIX, HP-UX, Sun Solaris, SCO, IP Address, iSeries Server, >"; and "Server Or Devices:" with "Select All", "Clear", and "Toggle" buttons. Below these is a large list area with a "Looking for" search bar and a single entry "ATS-2020-3" with a selected checkbox. At the bottom left is a checkbox labeled "Remove License For Selected Nodes". At the bottom right are "OK" and "Cancel" buttons.

Export to Excel CSV option exports all servers and devices in CMDB-X to a CSV file.

Backup CMDB-X Database option backs up CMDB-X to a file that you can restore later.

Restore option restores CMDB-X from a backup file.

The Scan Network popup menu option offers the following network scanning mechanisms:

<div> <div> <div></div> <div>ARGENT OMEGA</div> <div>(2.2A-2204-11) Pre-Production Version</div> </div> <div> <div>Home</div> <div>Theme</div> <div>Argent Instant Help</div> <div>About</div> <div>Logout</div> </div> </div>								
<div> <div>Search</div> <div>Server Or Device</div> <div>Network Group</div> <div>Scan Network</div> <div>Properties</div> </div>								
Network Group Or Machine	Type	Alias	Licensed	Suspend	Location	Contact		
570_WASH_2ND_FLR	Network Group				NYC			
570_WASH_2ND_FLR_ANNEX_A	Network Group				NYC			
570_WASH_2ND_FLR_ANNEX_A_SERVER_18	Windows Server		Yes		NYC			
570_WASH_2ND_FLR_ANNEX_A_SERVER_3	Windows Server		Yes		NYC			
570_WASH_2ND_FLR_ANNEX_A_SERVER_33	Windows Server		Yes		NYC			
570_WASH_2ND_FLR_ANNEX_A_SERVER_48	Windows Server		Yes		NYC			
570_WASH_2ND_FLR_ANNEX_B	Network Group				NYC			
570_WASH_2ND_FLR_ANNEX_C	Network Group				NYC			
570_WASH_2ND_FLR_ANNEX_C2	Network Group				NYC			
570_WASH_3RD_FLR	Network Group				NYC			
570_WASH_4TH_FLR	Network Group				NYC			
570_WASH_BASEMENT	Network Group				NYC			
							Active Directory	Value
							Network Browser	570_WASH_2ND_FLR_ANNEX_A_SE
							ICMP Ping	Argent Omega Baseline
							Discover SNMP Devices	
							Windows Cluster	
							VMware Infrastructure	None
							Meraki Devices	No
							Import From Argent Topology Manager	No
							Import External Excel File	
							System Info Caching Minutes	Never
							Monitoring Level	Low
							Tier	Not Specified
							Tag	
							Location	NYC

Active Directory

Argent Omega polls the Active Directory to provide a list of all registered devices.

Network Browser

The network browser uses the Computer Browser service to perform network discovery.

ICMP Ping

This method does an IP scan across an entire IP range, and comes back with a list of IP addresses that responded to it.

Windows Cluster

This method finds all machines in a named cluster.

Discover SNMP Devices

This method walks through your entire network, looking for SNMP devices that respond to a specific Query OID.

VMware Infrastructure

This method finds all machines in specified VMware Infrastructure.

Meraki Device

This method finds all Cisco Meraki devices in the network. Meraki API needs to be configured in Argent Omega configuration screen in Administration section.

Import From Argent Topology Manager

This method retrieves the SNMP devices detected by Argent Topology Manager.

Import From External Excel File

This method imports devices from an Excel or CSV file.

After adding devices manually or via the scan, you can specify the device properties in the **Properties** section in the right pane. Common properties can be configured by selecting multiple servers and devices from the list.

The screenshot displays the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The main table lists various network groups and machines. The right-hand 'Properties' pane is open, showing the configuration for a 'Windows Server'. The 'Group Or Key' column lists properties like Name, Licensed Products, Alias, and various system settings. The 'Value' column shows the corresponding values for these properties.

Group Or Key	Value
Name	570_WASH_2ND_FLR_ANNEX_A_SERVER_18
Licensed Products	Argent Omega Baseline
Alias	
Windows Server	
Domain	A.LOCAL
Domain Controller	No
PQDN	
Netbios Name	
Cluster Name	
Operating System	Microsoft Windows Server 2016 Standard
Service Pack	
Version	
64-bit OS	Yes
Organization Unit	
Authentication	
Drives Not Monitored	
Read Windows Event Log	Automatically Determined
Hosting Environment	None

Custom properties can be defined in the **Extended Properties** section in the Properties window.

This screenshot shows the same ARGENT OMEGA interface, but with the 'Extended Properties' section expanded in the 'Properties' pane. This section allows for defining custom properties for the selected device, such as 'All Products', 'Argent Omega Baseline', and 'Argent Omega for Microsoft 365'.

Group Or Key	Value
Tier	Not Specified
Tag	
Location	NYC
Contact	
Owner Accounts	570_WASH_2ND_FLR_ANNEX_A
Default Settings	
Time Zone Settings	Same as Location
Critical	No
Ignored	No
Logical Dependency	
Installed Applications	
Extended Properties	
All Products	
Argent Omega Baseline	
Argent Omega for Microsoft 365	
Argent Omega for SQL Server	
Argent Omega Web Defender	
Argent Compliance Automator	
Description	

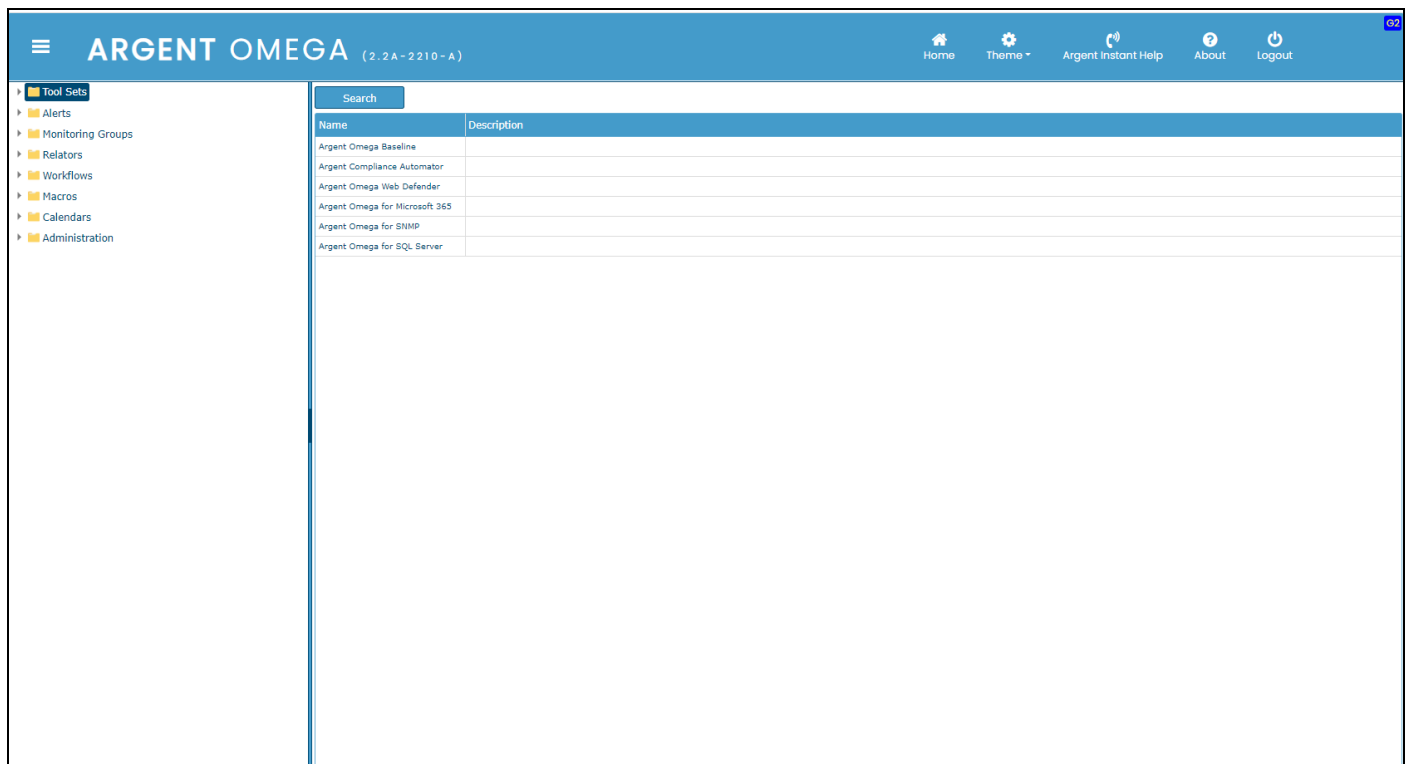
Argent Omega Four Building Blocks

In Argent Omega, all monitoring products are engineered around five building blocks, namely:

- Tool Sets
- Alerts
- Monitoring Groups
- Relators
- Workflows

In addition, there are:

- Macros
- Calendars



The screenshot displays the Argent Omega web application interface. The top navigation bar is blue and contains the 'ARGENT OMEGA' logo with the version '(2.2 A - 2.210 - A)' and several utility links: Home, Theme, Argent Instant Help, About, and Logout. A sidebar on the left lists the main categories: Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, Calendars, and Administration. The 'Tool Sets' category is selected and expanded, showing a search bar and a table of available tool sets.

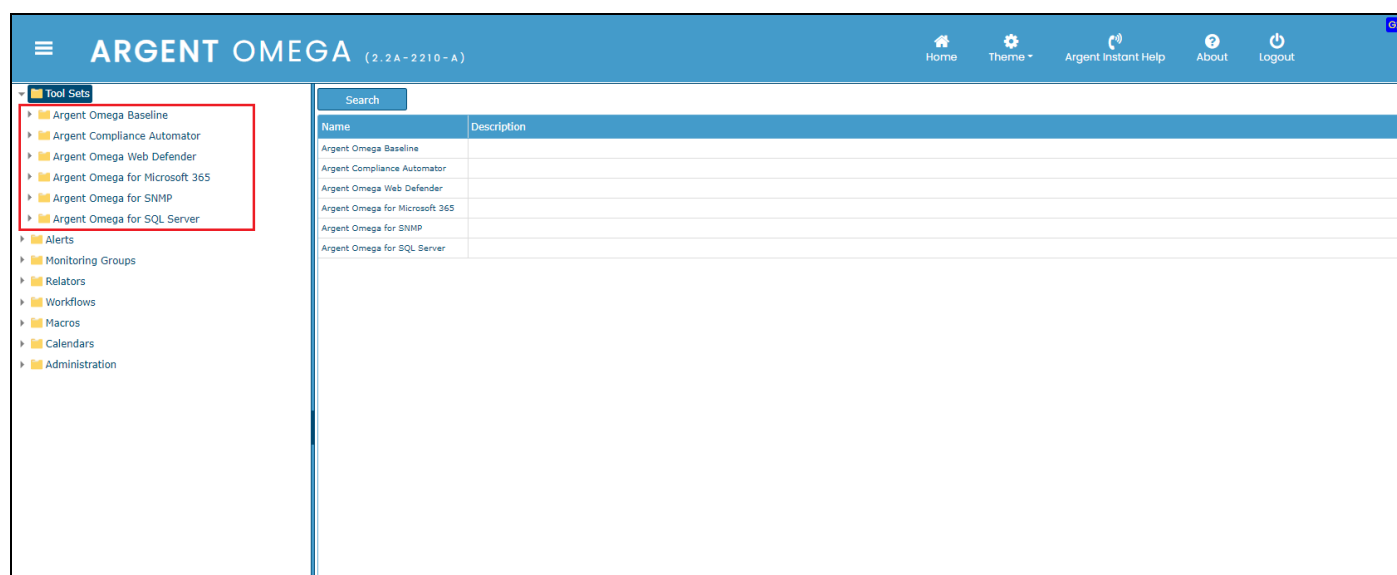
Name	Description
Argent Omega Baseline	
Argent Compliance Automator	
Argent Omega Web Defender	
Argent Omega for Microsoft 365	
Argent Omega for SNMP	
Argent Omega for SQL Server	

Tool Sets – Set Of Pre-defined Rules For A Product

Each Tool Set in Argent Omega contains a set of Rules to monitor specific servers or devices.

Currently, Argent Omega provides Tool Sets for the following:

- Argent Omega Baseline
- Argent Compliance Automator
- Argent Omega Web Defender
- Argent Omega for Microsoft 365
- Argent Omega for SQL Server
- Argent Omega for SNMP



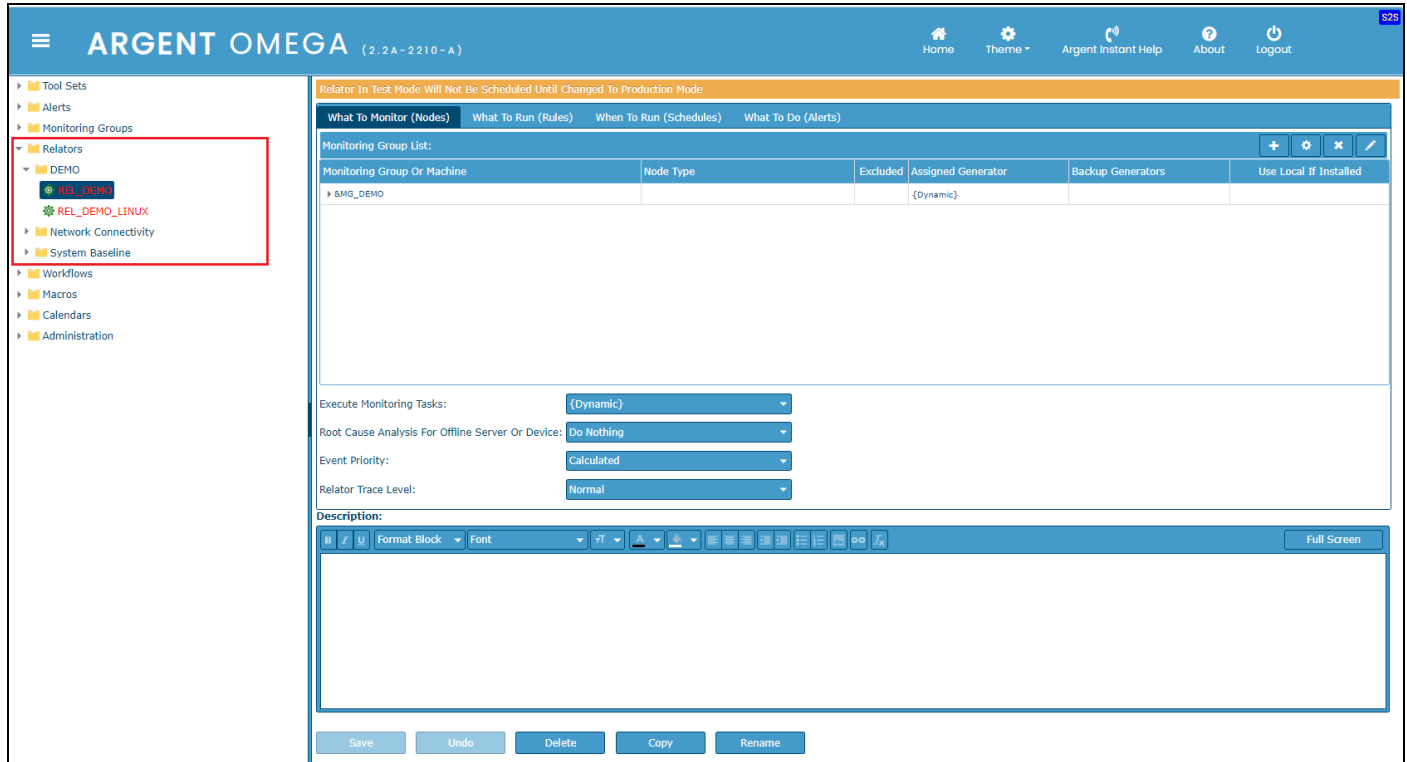
Rules are tests for conditions.

A Rule is broken if the threshold is exceeded. Notification Alerts simply provide different avenues if the specified condition is not satisfied. The Rules are an accumulated base of knowledge from thousands of Customers worldwide. Whenever new Rules are created by Argent for a single customer, these Rules are added to the next release of the product to enable all Argent customers to share in the expanded base of knowledge.

These pre-defined Rules monitor almost all of what customers need to monitor. We can add an unlimited number of new Rules and can copy and edit the pre-defined Rules because Rules **do not specify** the server or device in the actual Rule; you can use the same Rule to monitor many different servers and devices.

Relators

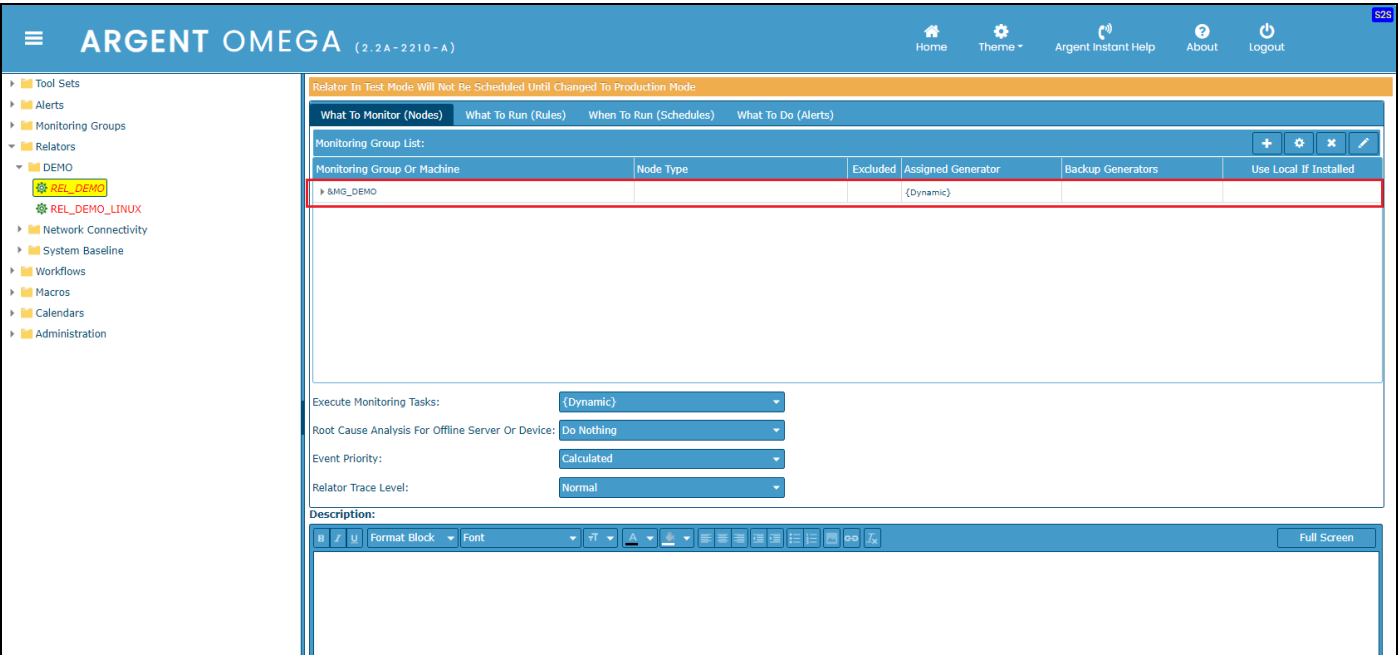
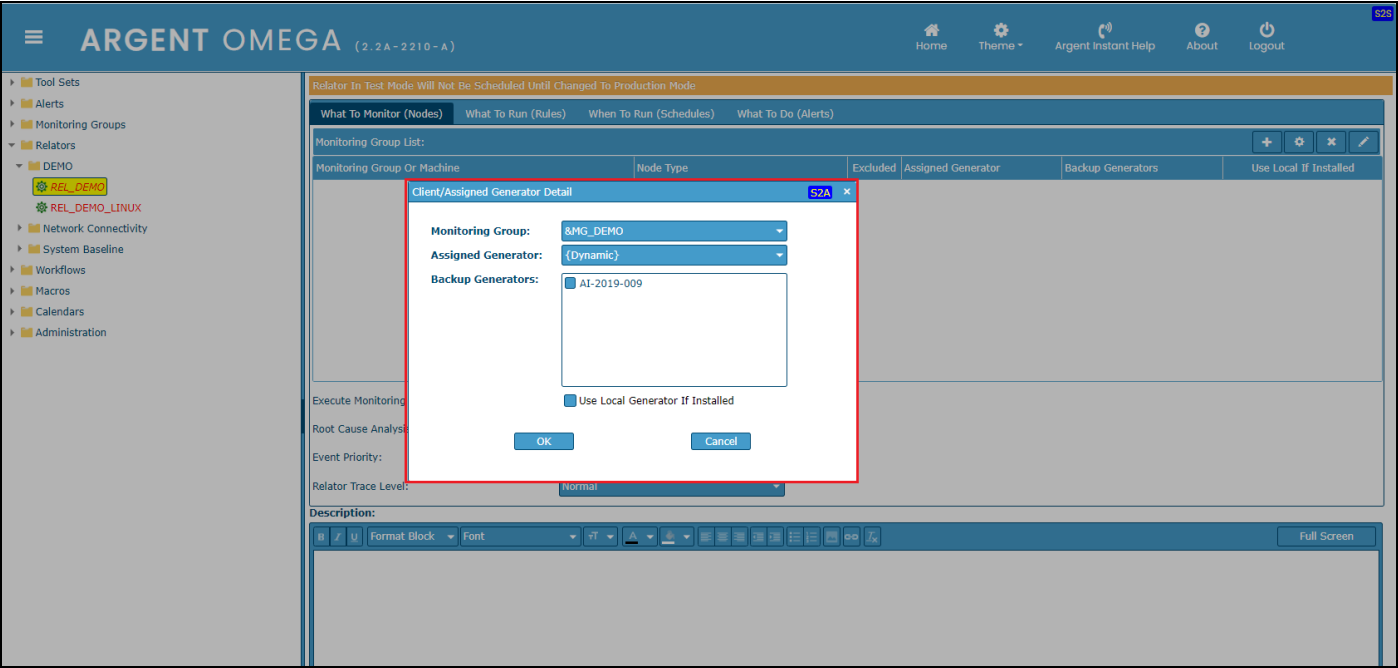
Relators tie together or relate the other building blocks, namely **Rules**, **Alerts**, and **Monitoring Groups**. In a Relator, the Rule to be executed against the servers and devices in the Monitoring Groups is specified. In addition, the Relator specifies the **Alerts** that will be fired when an issue is detected.



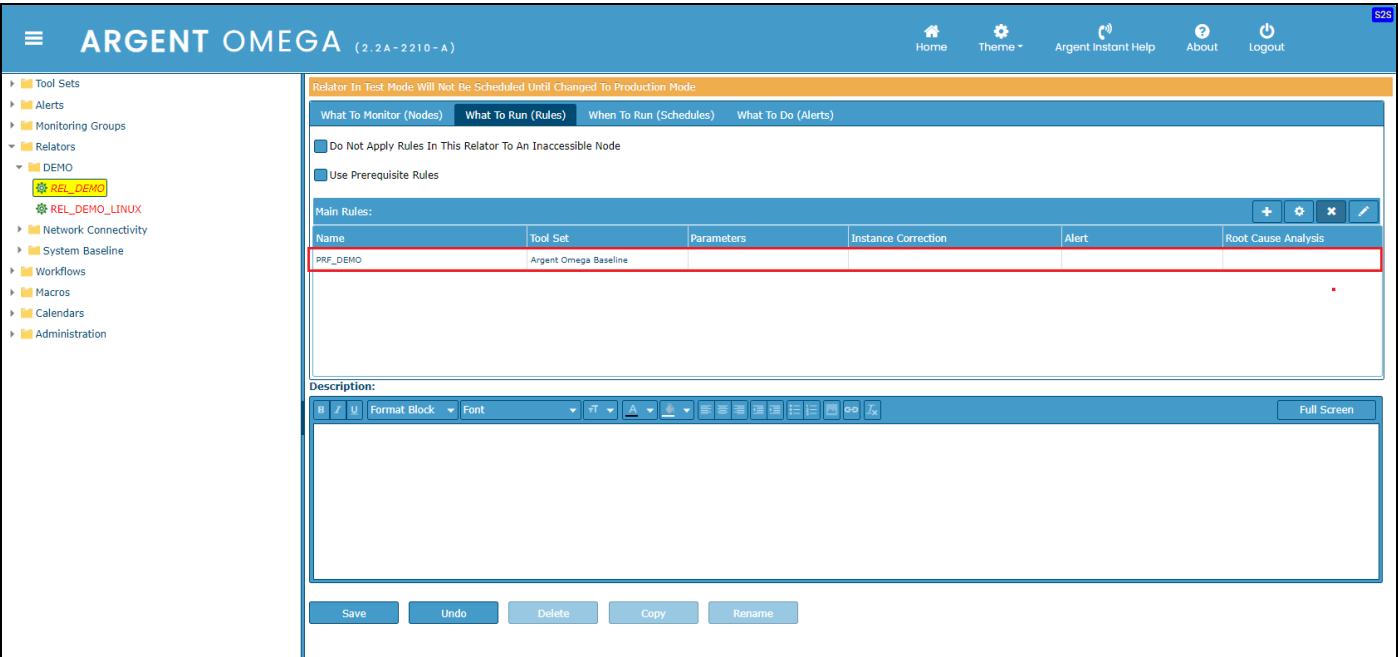
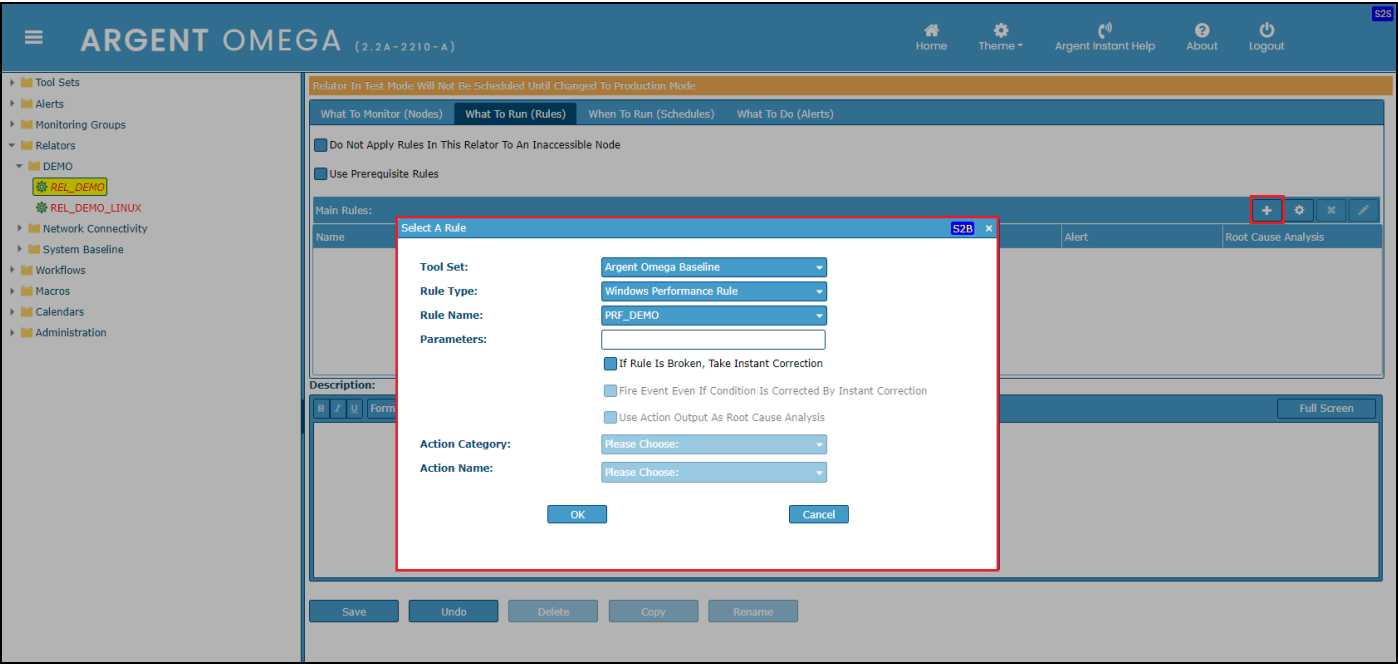
The **benefit** of a Relator is Rules, Alerts, and Monitoring Groups are all shared. Each Relator has its own monitoring rate -- the frequency in minutes or seconds. The Relator executes to check the servers and devices in the Monitoring Group. Each server and device is checked independently of the others -- the results of checking one server or device in the Monitoring Group in no way affects the results of checking other servers or devices.

Relators can also **optionally** use Calendars. Calendars are used to provide maximum flexibility when scheduling events, such as Relators, Alerts, and Automatic Report Distributions. Any complex Calendar can be created easily.

Select any Relator. Select **What To Monitor (Nodes)** tab and click “+” to add Monitoring Group.



Select **What To Run (Rules)** tab and click “+” to add Rule.



Select **When To Run (Schedules)** tab and click “+” to add schedule to run.

Relator In Test Mode Will Not Be Scheduled Until Changed To Production Mode

What To Monitor (Nodes) What To Run (Rules) **When To Run (Schedules)** What To Do (Alerts)

☐ Schedule Monitoring Tasks Based On Time Zone Of Monitored Server Or Device

When To Execute This Relator:

Start Time	Dynamic	Repetition	Until	Calendar
00:00:00	No	10 Minutes	23:59:59	

Exclude Following Time Frames

Start Time

When To Execute This Test

Start Time: 00:00:00

☒ Use Dynamic Scheduling

☒ Repeat Task

Repetition Interval: 10

Repetition Unit: Minutes

Repeat Task Until: 23:59:59

Calendar: Please Choose:

OK Cancel

Description:

Full Screen

Relator In Test Mode Will Not Be Scheduled Until Changed To Production Mode

What To Monitor (Nodes) What To Run (Rules) **When To Run (Schedules)** What To Do (Alerts)

☐ Schedule Monitoring Tasks Based On Time Zone Of Monitored Server Or Device

When To Execute This Relator:

Start Time	Dynamic	Repetition	Until	Calendar
00:00:00	No	10 Minutes	23:59:59	

Exclude Following Time Frames For Executing This Relator:

Start Time	End Time	Calendar
------------	----------	----------

Description:

Full Screen

Select **What To Do (Alerts)** tab and click “+” to add Alert.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. The left sidebar contains a tree view with categories like Tool Sets, Alerts, Monitoring Groups, Relators, DEMO, REL_DEMO, REL_DEMO_LINUX, Network Connectivity, System Baseline, Workflows, Macros, Calendars, and Administration. The main panel is titled 'Relator In Test Mode Will Not Be Scheduled Until Changed To Production Mode' and has tabs for 'What To Monitor (Nodes)', 'What To Run (Rules)', 'When To Run (Schedules)', and 'What To Do (Alerts)'. The 'What To Do (Alerts)' tab is active, showing a table for 'Notifications And Correction Alerts To Fire:'. A modal dialog titled 'Fire Alert: Select An Alert Or Alert Macro' is open, allowing selection of an alert type (System Alarm Alert), alert name (ALARM_DEMO), monitoring group, and generator. The dialog also includes checkboxes for 'Fire Urgent Group Alerts Always As Long As Condition Persists', 'Fire Alerts Once Only Within Period', and 'Automatic Resolve Events When Rule Is No Longer Broken'. The 'Alert Escalation Plan' section is also visible.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. The left sidebar is the same as the previous screenshot. The main panel is titled 'Relator In Test Mode Will Not Be Scheduled Until Changed To Production Mode' and has tabs for 'What To Monitor (Nodes)', 'What To Run (Rules)', 'When To Run (Schedules)', and 'What To Do (Alerts)'. The 'What To Do (Alerts)' tab is active, showing a table for 'Notifications And Correction Alerts To Fire:'. The table has columns for Alert Type, Alert Name, Monitoring Group, and Generator. A single row is visible with the values 'System Alarm Alert', 'ALARM_DEMO', and empty cells for Monitoring Group and Generator. Below the table, there are checkboxes for 'Fire Urgent Group Alerts Always As Long As Condition Persists', 'Fire Alerts Once Only Within Period' (set to 30 minutes), and 'Automatic Resolve Events When Rule Is No Longer Broken'. The 'Alert Escalation Plan' section is also visible.

Select **Change To Production Status** from context menu to put the Relator in Production and the Relator runs as per the Schedule.

The screenshot shows the ARGENT OMEGA (2.2 A - 2210 - A) interface. On the left is a navigation tree with categories like Tool Sets, Alerts, Monitoring Groups, Relators, DEMO, Network Connectivity, System Baseline, Workflows, Macros, Calendars, and Administration. The main panel displays the configuration for a Relator in Test Mode. A context menu is open over the configuration area, listing options: Add New, Save, Undo, Delete, Copy, Rename, **Change To Production Status** (highlighted with a red box), Change To Test Status, Temporarily Suspend Relator, and Test Relator. The configuration area includes tabs for What To Monitor (Nodes), What To Run (Rules), When To Run (Schedules), and What To Do (Alerts). The 'What To Do (Alerts)' tab is active, showing a table for 'Notifications And Correction Alerts To Fire:' with columns for Alert Type, Alert Name, Monitoring Group, and Generator. Below this is a section for 'Alert Escalation Plan:' with a table for 'Wait Minutes' and 'Alert Type'. At the bottom is a 'Description:' field with a rich text editor.

The screenshot shows the ARGENT OMEGA (2.2 A - 2210 - A) interface with the Relator in Production Mode. The main panel displays the configuration for the Relator. A red box highlights the 'Relator In Production Mode' status at the top. The configuration area includes tabs for What To Monitor (Nodes), What To Run (Rules), When To Run (Schedules), and What To Do (Alerts). The 'What To Do (Alerts)' tab is active, showing a table for 'Monitoring Group List:' with columns for Monitoring Group Or Machine, Node Type, Excluded, Assigned Generator, Backup Generators, and Use Local If Installed. Below this is a section for 'Execute Monitoring Tasks:' with a dropdown menu set to '(Dynamic)'. Other settings include 'Root Cause Analysis For Offline Server Or Device:' set to 'Do Nothing', 'Event Priority:' set to 'Calculated', and 'Relator Trace Level:' set to 'Normal'. At the bottom is a 'Description:' field with a rich text editor.

Workflows

Workflow is a superset of Relator. Workflow is designed to fulfill some special requirements that cannot be achieved by using Relator. Workflow has all the functionalities of Relator, and it has following additional features:

1. Facility to run Workflow tasks on multiple licensed servers. Example: Install Windows updates in licensed server.
Each task in a Workflow is called a **Step**.
2. Some Steps execute in parallel, and some are sequential.
3. Facility to configure conditional branches in Workflow definition.
4. Facility to configure task looping and it can be controlled properly.
5. Run and control long running tasks.

The above features do not fit well into Relator model, which is simple, linear, independent, and generally for short running tasks.

Workflow = Steps + Success Alert + Failure Alert + Escalation + Schedule.

Step = Step# + Independent Licensed Server or Monitoring Group + Condition + True Operation + False Operation + Repetition + Failure Handling + Next.

Step# – Step number. Workflow executes in order of Step number.

Independent Licensed Server or Monitoring Group – Step logic is applied to the selected licensed server or all machines in selected Monitoring Group. They are executed in parallel.

Condition – It can be a Rule or built-in condition such as 'Apply Windows Updates' or "Create VM Snapshot". Built-in ones will grow over time.

True-Operation – It is executed when condition is true. It can be an Action Alert or built-in operation such as 'Apply Windows Updates'. Built-in ones will grow over time.

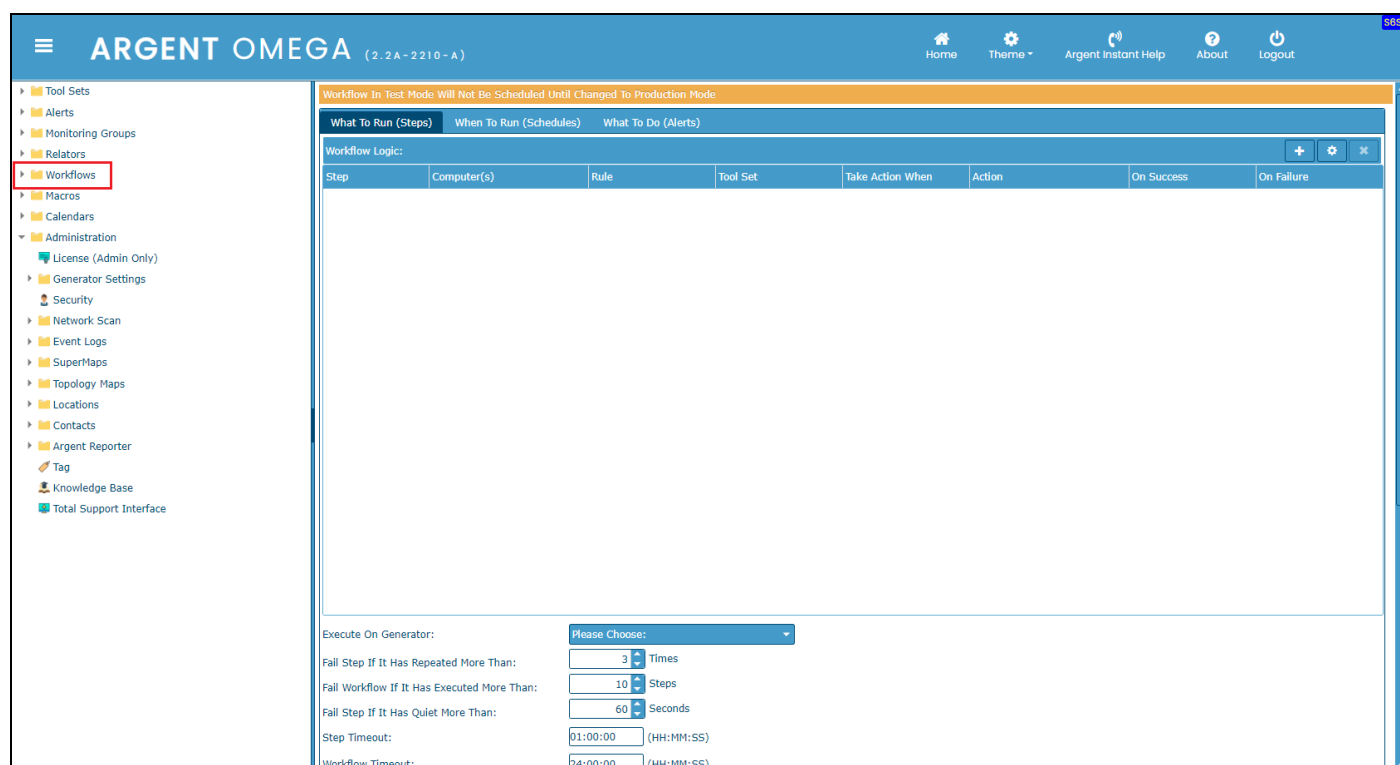
False-Operation – It is executed when condition is false.

Repetition – If true, after operation is done, recheck condition, repeat until condition becomes false.

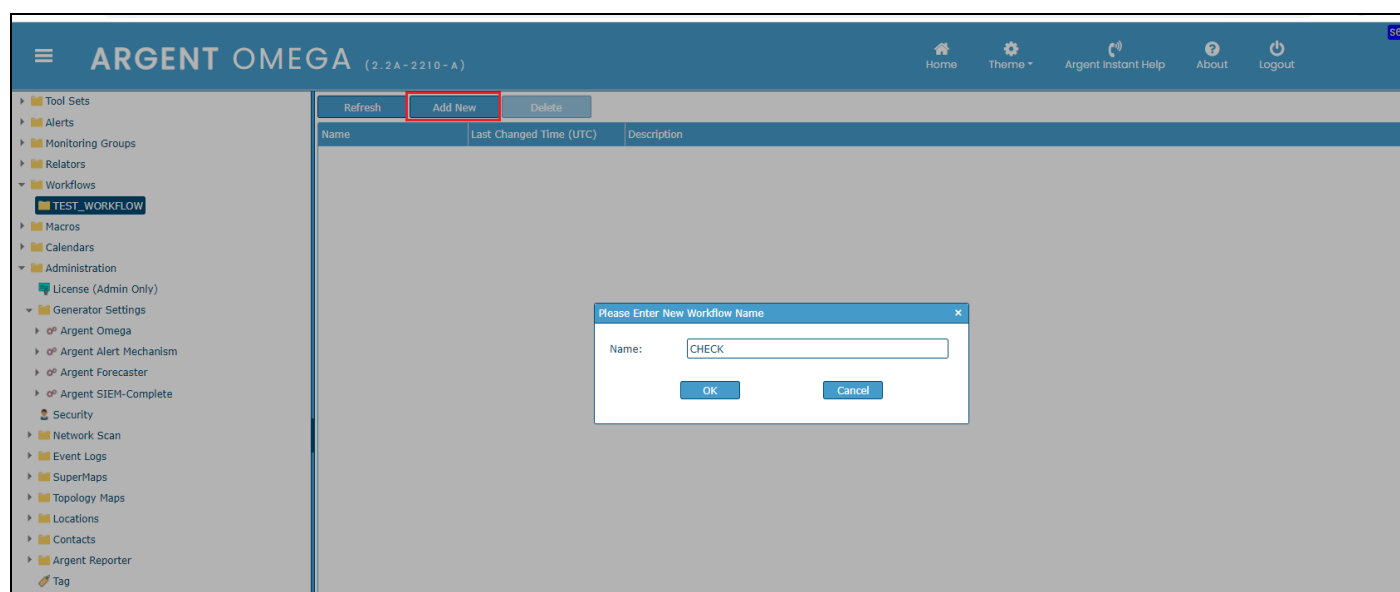
Failure Handling – It can be Ignore or Bail Out or Go to Step.

Next – It can be End Workflow or Next Step or Go To Step or Repeat Step.

Workflow is a separate node right after Relators in **Control Information** tree as shown below:

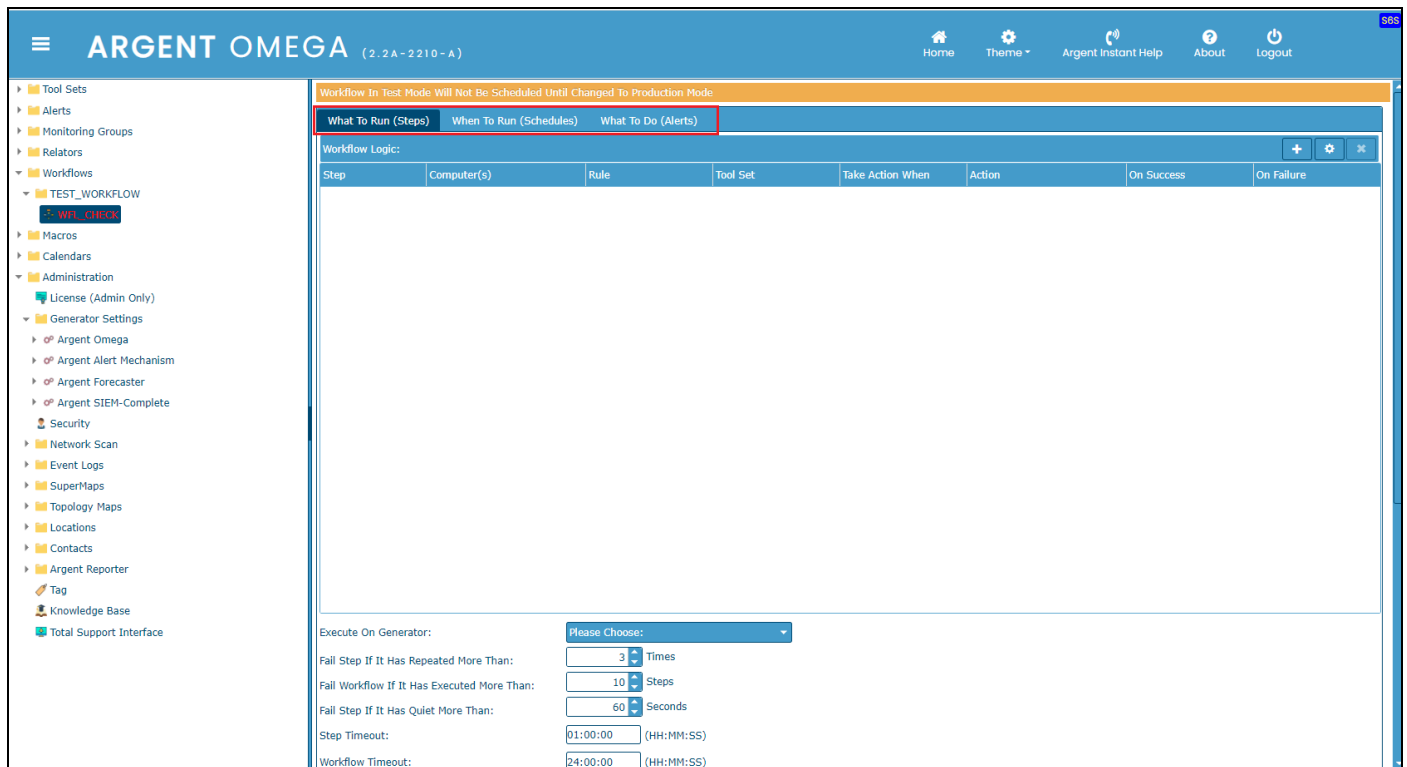


To define a new Workflow, click **Add New** and specify a name:

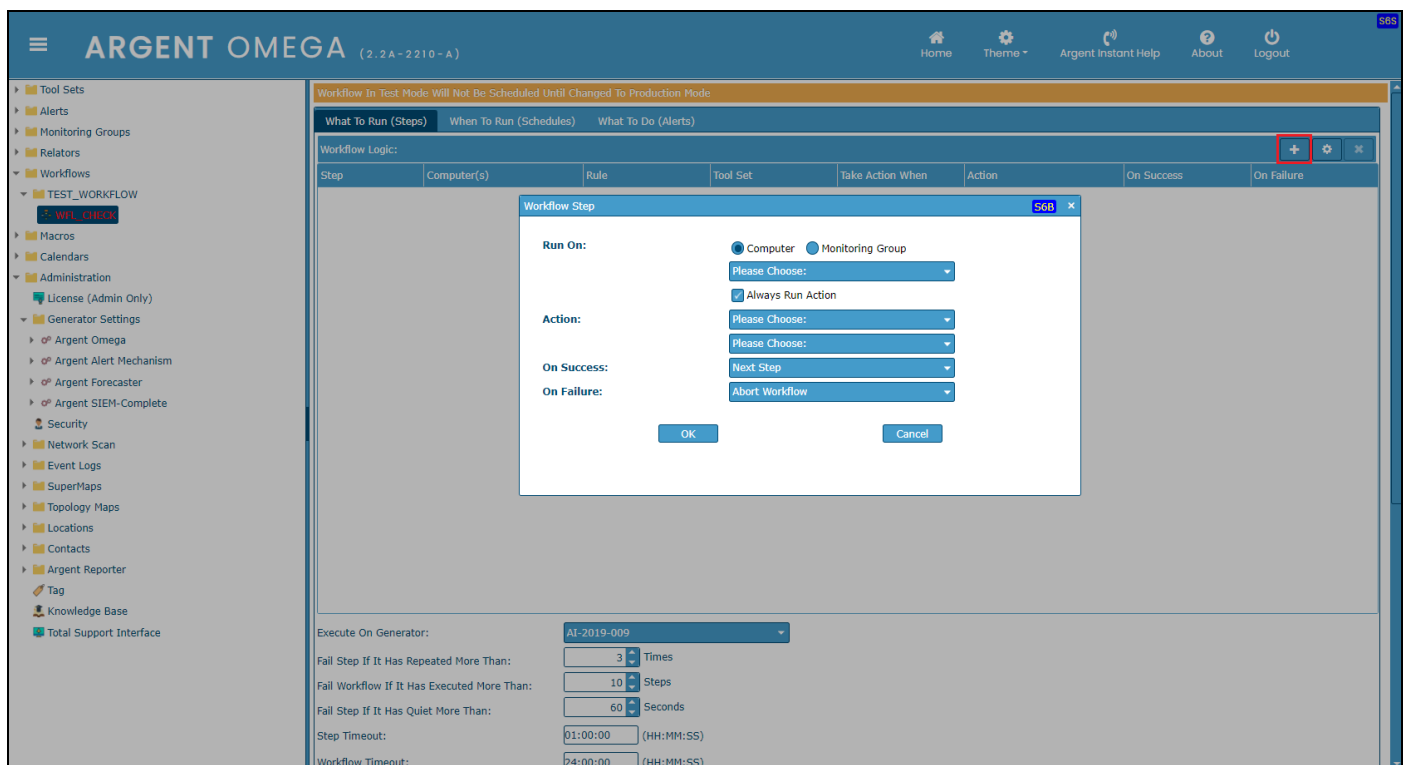


Need to define the following sections to complete the definition of a Workflow:

- Configure Steps in **What To Run (Steps)** tab.
- Configure execution schedules in **When To Run (Schedules)** tab.
- Configure Alerts in **What To Do (Alerts)** tab.



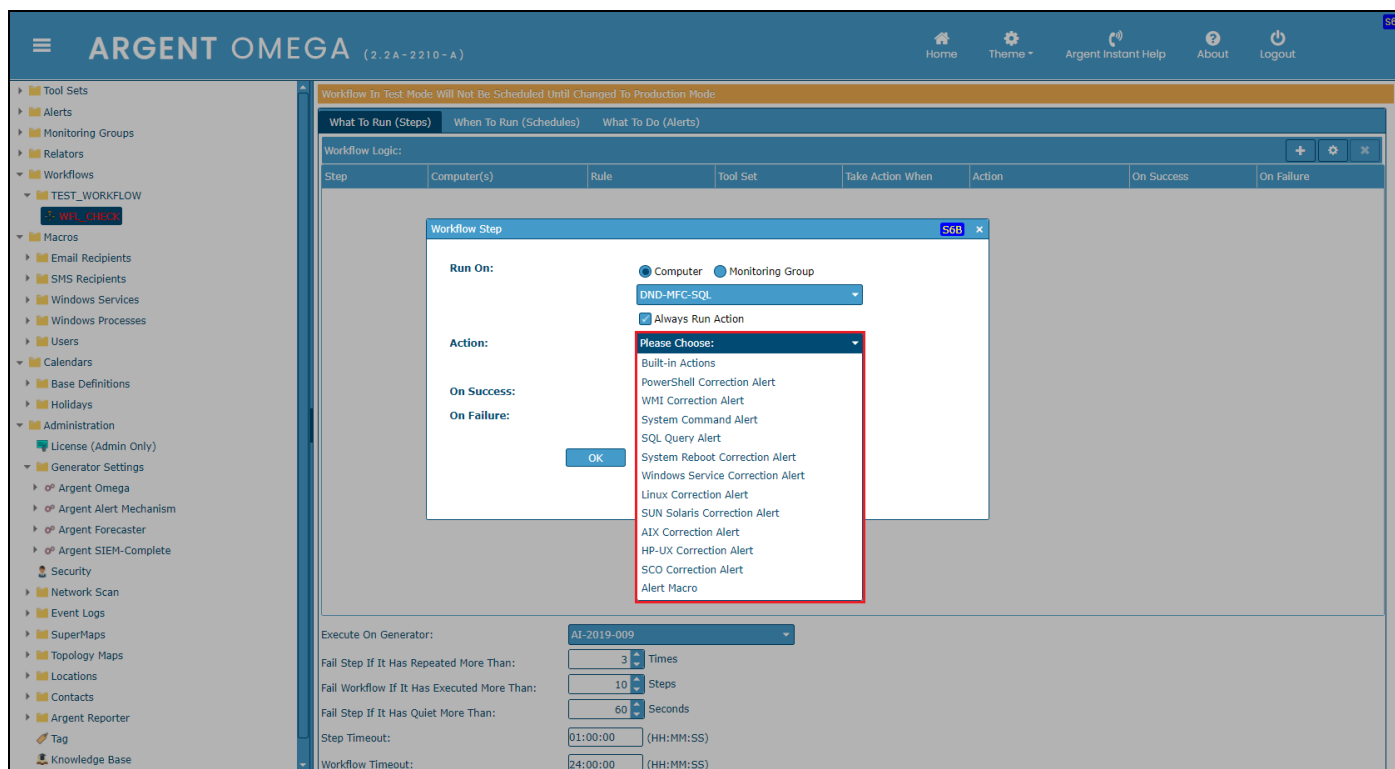
A Workflow can have one or more Step definition. Each Step is identified by its unique Step number. Workflow executes in order of Step number. Steps in a Workflow are executed in sequential manner. To define a Workflow Step, click “+” in **What To Run (Steps)** tab. Workflow definition dialog will be popped up:



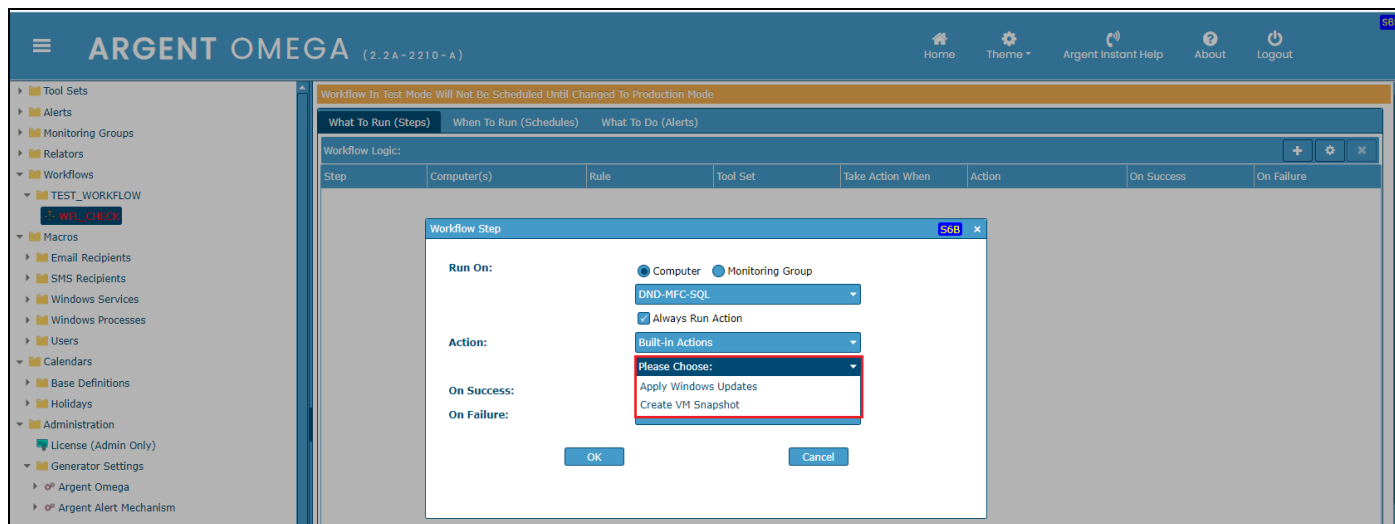
Select the Computer or Monitoring Group in **Run On** section. The Step logic will be applied to the selected Computer or all machines in the selected Monitoring Group.

Check **Always Run Action** check box to execute a built-in action or action Alert.

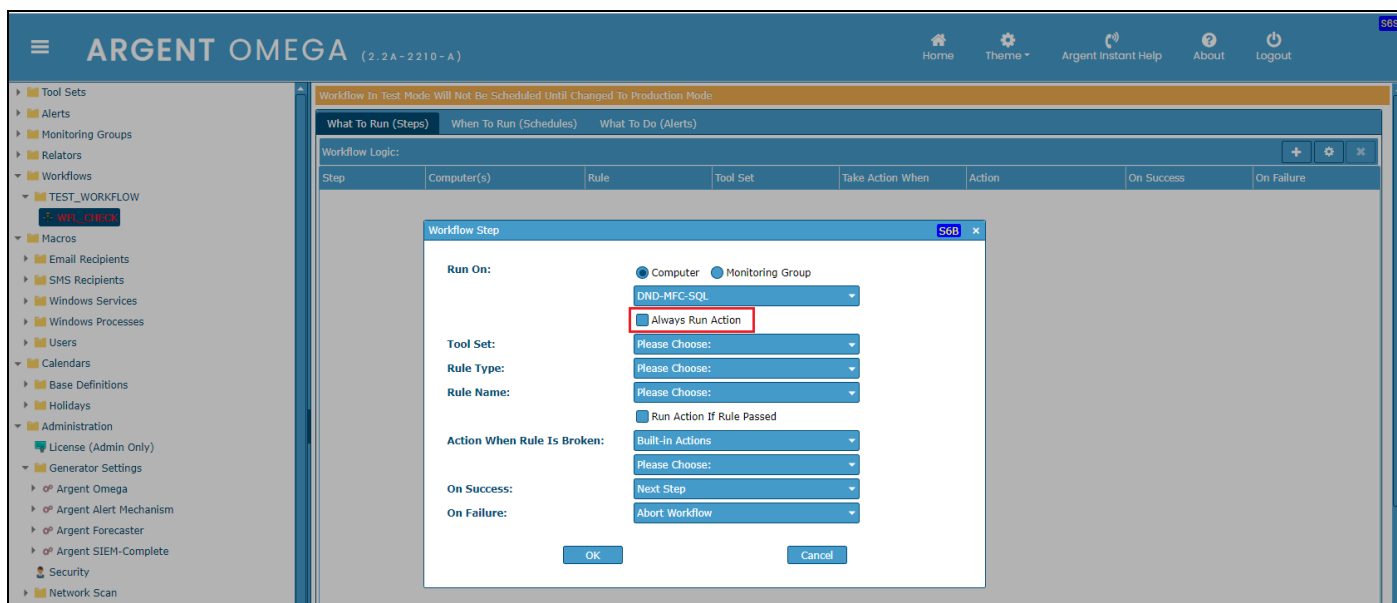
Select action type from **Action** combo box. Example: Built-in Actions:



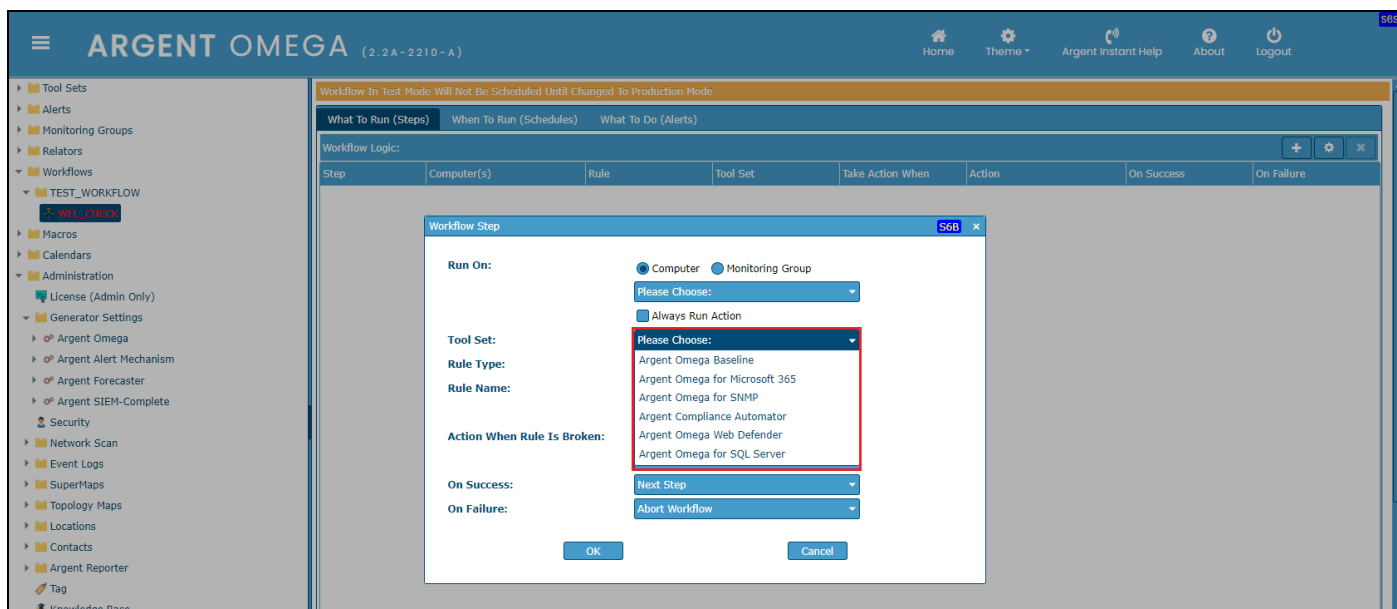
Select the Action from combo box. Example: Apply Windows Updates:



If you want to execute any Tool Set Rule instead of action, uncheck **Always Run Action** option. This will show all available Tool Sets and Rules as shown below:

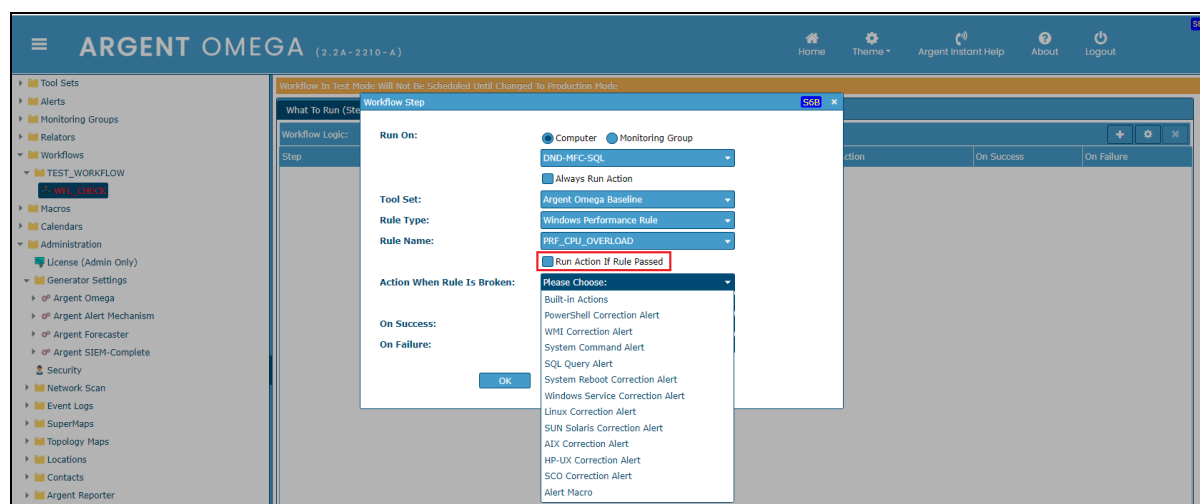


Select the **Tool Set** from combo box. It lists all available Tool Sets:



After the selection of Tool Set, all the available Rule types and Rule names will be populated in respective combo boxes. Choose the **Rule Type** and **Rule Name**.

Choose the action required to execute from **Action When Rule Is Broken** combo box if the selected Rule is broken:

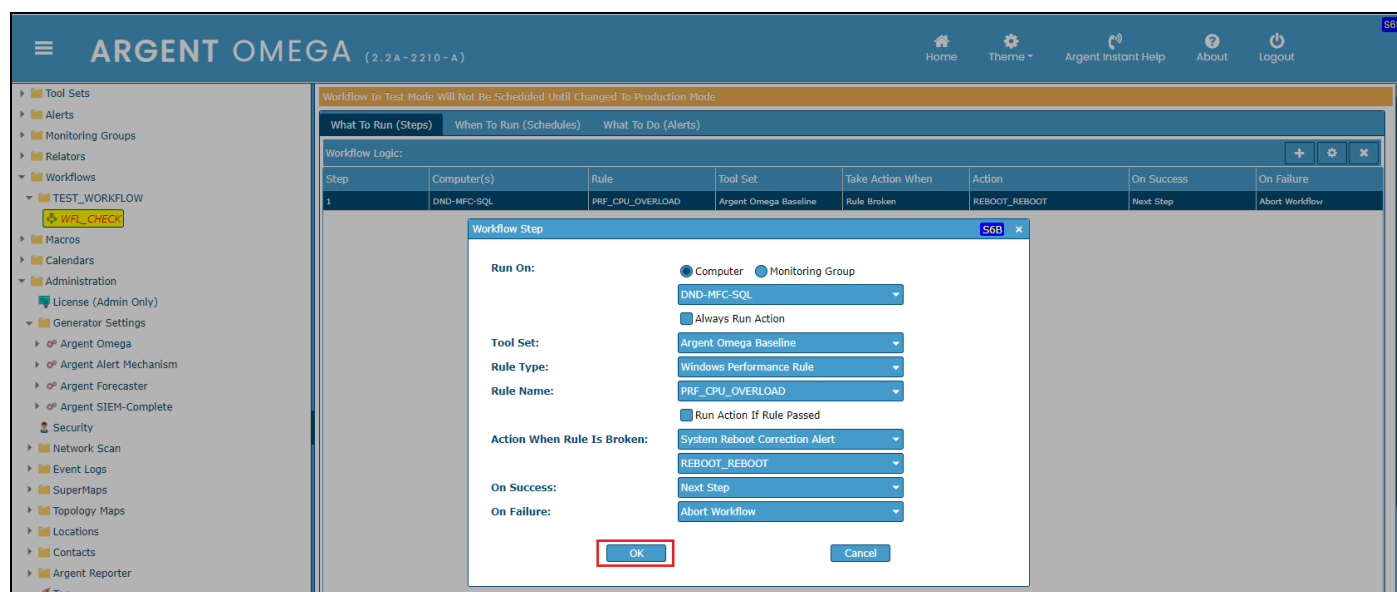


Check **Run Action If Rule Passed** option if you want to execute action if the Rule is NOT broken.

Select the action on successful Step execution from **On Success** combo box. The available actions are **Next Step, Go to Step, End Workflow** and **Repeat Step**.

Select the action on failed Step execution from **On Failure** combo box. The available actions are **Next Step, Go to Step, End Workflow** and **Abort Workflow**.

Click OK button to complete the Step definition:



The Step will be added to **Workflow Logic** list as shown below:

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. On the left is a sidebar with a tree view containing categories like Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, Calendars, Administration, License (Admin Only), Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, and Argent SIEM-Complete. The 'TEST_WORKFLOW' workflow is selected, and a 'WPL_CHECK' button is visible. The main panel displays 'Workflow Logic' with a table containing one step:

Step	Computer(s)	Rule	Tool Set	Take Action When	Action	On Success	On Failure
1	DND-MFC-SQL	PRF_CPU_OVERLOAD	Argent Omega Baseline	Rule Broken	REBOOT_REBOOT	Next Step	Abort Workflow

At the top of the main panel, a message states: 'Workflow In Test Mode Will Not Be Scheduled Until Changed To Production Mode'. Above the table are tabs for 'What To Run (Steps)', 'When To Run (Schedules)', and 'What To Do (Alerts)'. The 'Steps' tab is active.

This way you can add any number of Steps.

To test the execution of Workflow, click **Test Workflow** context menu option:

This screenshot shows the same ARGENT OMEGA interface as before, but with a context menu open over the 'Workflow Logic' table. The menu includes options: 'Add New', 'Save', 'Undo', 'Delete', 'Copy', 'Rename', 'Change To Production Status', 'Change To Test Status', 'Temporarily Suspend Workflow', and 'Test Workflow'. The 'Test Workflow' option at the bottom is highlighted with a red box.

Before testing ensure that the following Workflow options are configured:

The screenshot shows the ARGENT OMEGA interface with the 'TEST_WORKFLOW' workflow selected. The configuration options for the workflow are displayed in a form at the bottom of the main panel. The following options are highlighted with a red box:

- Execute On Generator: AI-2019-009
- Fail Step If It Has Repeated More Than: 3 Times
- Fail Workflow If It Has Executed More Than: 10 Steps
- Fail Step If It Has Quiet More Than: 60 Seconds
- Step Timeout: 01:00:00 (HH:MM:SS)
- Workflow Timeout: 24:00:00 (HH:MM:SS)
- Event Priority: Low

Other visible configuration options include:

- Workflow Trace Level: Normal
- Application: (empty field)
- Reference URL: (empty field)
- Console Comment: (empty field)

Execute On Generator: Select the Generator in which Workflow needs to be executed. Workflow only executes on Primary Generator for this version.

Fail Step If It Has Repeated More Than: Specify the limit. Step execution will be considered as failed if a same Step execution will be repeated more than specified number of times.

Fail Workflow If It Has Executed More Than: Specify the limit. Workflow execution will be considered as failed if the number of Step executions exceeds the limit specified.

Fail Step If It Has Quiet More Than: Specify the time limit seconds. Step execution will be considered as failed if the execution not responding or no communication between the Omega Engine and target server since the time limit configured.

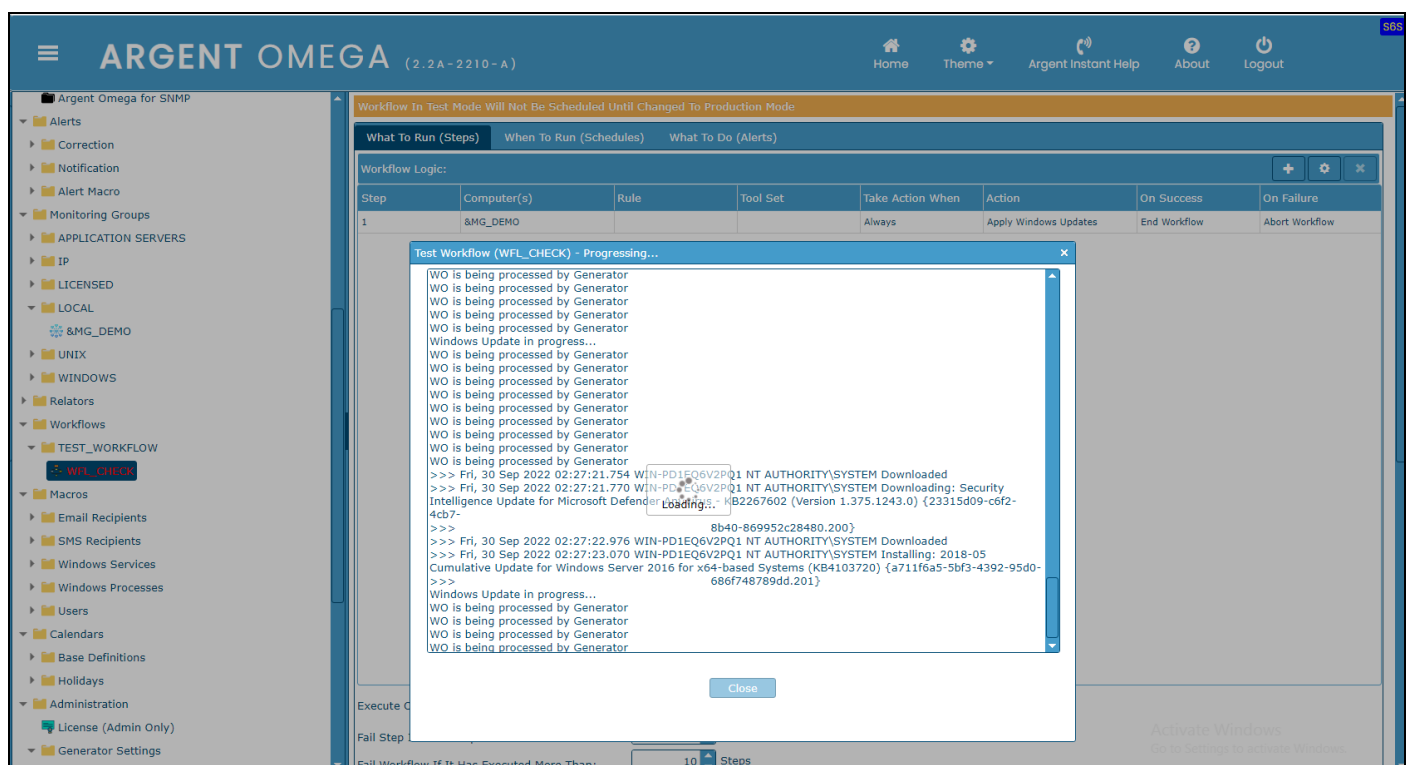
Step Timeout: Specify the time limit in HH:MM:SS format. Step execution will be considered as failed if the Step execution duration exceeds the limit specified.

Workflow Timeout: Specify the time limit in HH:MM:SS format. Workflow execution will be considered as failed if its execution duration exceeds the limit specified.

Event Priority: Configure this to fire event with specified priority.

Click **Save** context menu option to save the Workflow definition.

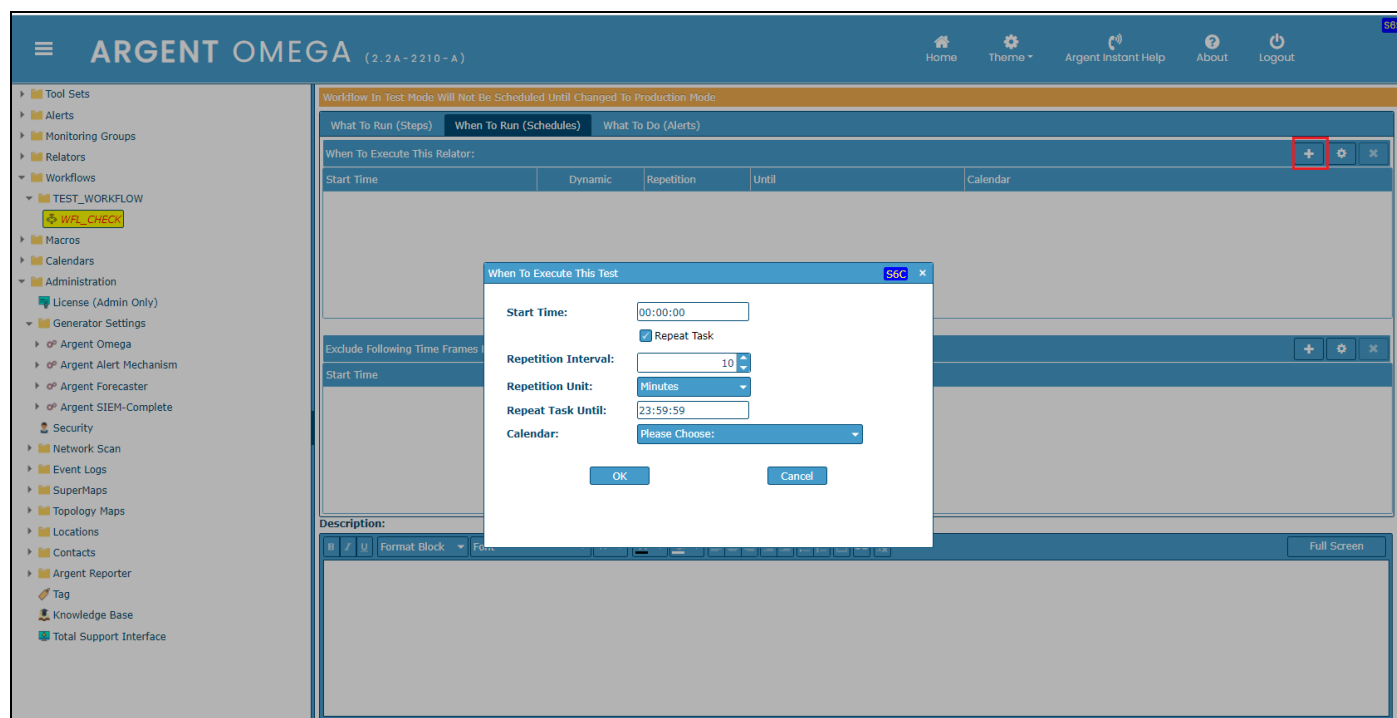
Click **Test Workflow** to test the Workflow definition. You can see the execution progress in result dialog:



Workflow log file will be created in **OMEGA_INSTALLATION_FOLDER\LOGS\WORKFLOW** folder.

To execute the Workflow in Production mode, Schedules and Alerts needs to be configured. Configure Schedules in **When To Run (Schedules)** tab.

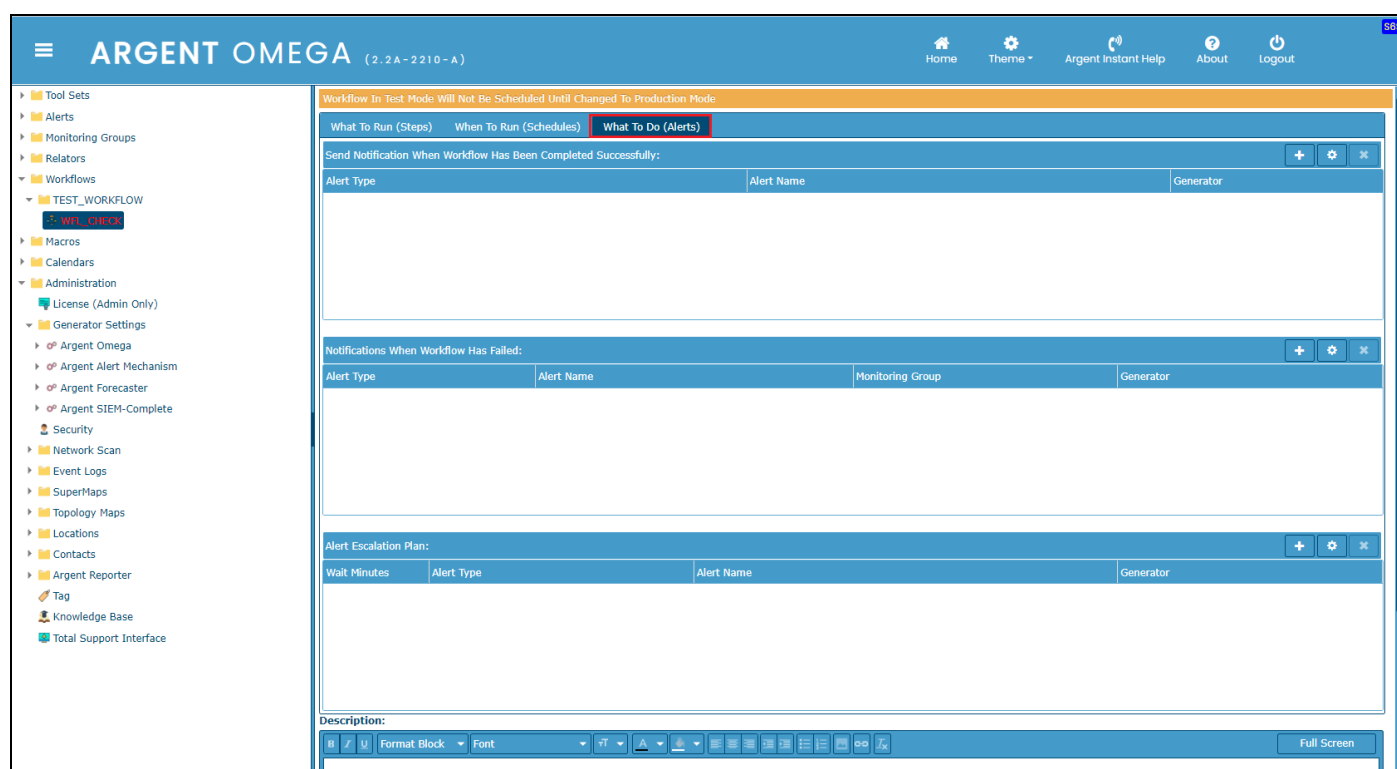
Select **When To Run (Schedules)** tab and click “+” to configure the schedule to execute:



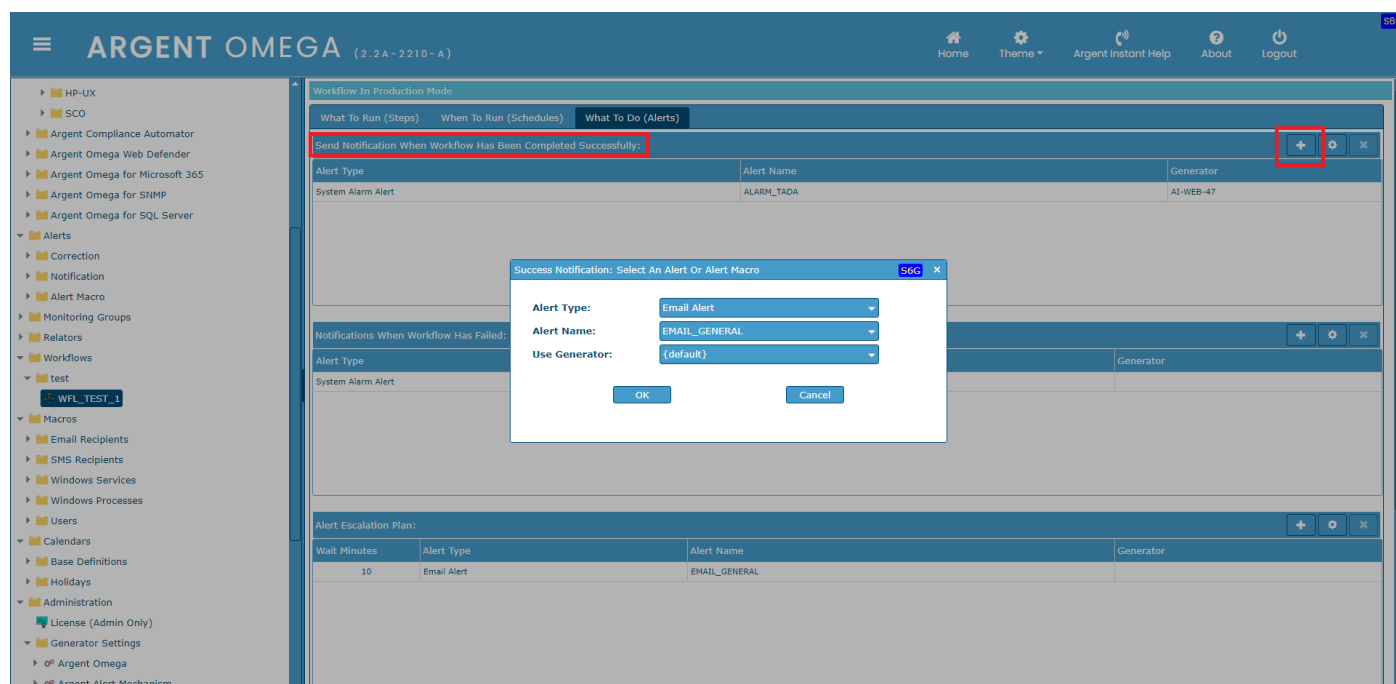
Workflows can also **optionally** use Calendars.

Specify Alerts in **What To Do (Alerts)** tab. Workflow has facility to fire Alerts in following situations:

- Fire Alert when Workflow has been completed successfully.
- Fire Alert when Workflow has failed.
- Fire Escalation Alert after configured time.



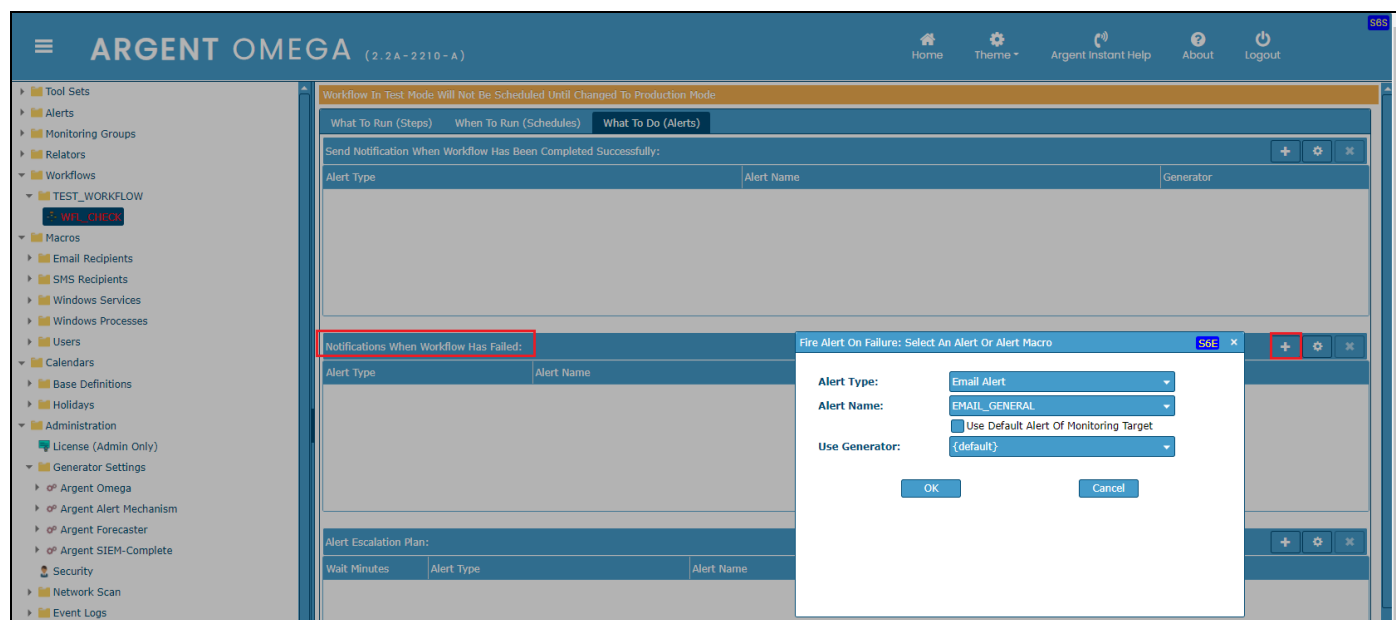
To fire Alert on successful execution of Workflow, configure Alerts in **Send Notification When Workflow Has Been Completed Successfully** section:



Note: If Workflow succeeded, Alert will be fired without raising Event in console.

Example: Email will be sent with details.

To fire Alert when Workflow execution failed, configure Alerts in **Notifications When Workflow Has Failed** section:



To fire Escalation Alert, configure Alerts in **Alert Escalation Plan** section. Need to specify **Wait Minutes**. Escalation Alert will be fired after the specified time if there is no response:

ARGENT OMEGA (2.2A-2210-A)

Workflow In Test Mode Will Not Be Scheduled Until Changed To Production Mode

What To Run (Steps) | When To Run (Schedules) | What To Do (Alerts)

Send Notification When Workflow Has Been Completed Successfully:

Alert Type	Alert Name	Generator

Notifications When Workflow Has Failed:

Alert Type	Alert Name	Monitoring Group	Generator

Alert Escalation Plan:

Wait Minutes	Alert Type	Alert Name

Description:

Escalation: Raise Alert If No Response

Wait Minutes: 10

Alert Type: Email Alert

Alert Name: EMAIL_GENERAL

Use Generator: {default}

OK Cancel

Click **Change To Production Status** context menu option to run Workflow in Production Mode:

ARGENT OMEGA (2.2A-2210-A)

Workflow In Test Mode Will Not Be Scheduled Until Changed To Production Mode

What To Run (Steps) | When To Run (Schedules) | What To Do (Alerts)

Workflow Logic:

Step	Computer(s)	Rule	Tool Set	Take Action When	Action	On Success	On Failure
2	8MSG_DEMO			Always	Apply Windows Updates	End Workflow	Abort Workflow

Context Menu Options:

- Add New
- Save
- Undo
- Delete
- Copy
- Rename
- Change To Production Status**
- Change To Test Status
- Temporarily Suspend Workflow
- Test Workflow

Click **Scheduled Tasks** menu item in Home screen to see the Workflow task instances:

ARGENT OMEGA (2.2 A - 2210 - A)

Theme
Argent Instant Help
About
Logout

Recently Viewed

Workflows

Scheduled Tasks

CMDDB-X

Engines

Relators

Products

Global Status

Events

SuperMaps

Network Topology Maps

Super Console

SLA

Performance Graph

Dashboard

CeoConsole

Enterprise View

Top X

ViewMagic

Scheduled Tasks

Relators

Workflows

CMDDB-X

Tool Sets

Alerts

Calendars

Macros

Monitoring Groups

Engines

Security

Argent Reporter

ARGENT OMEGA (2.2 A - 2210 - A)					
<div> <div>Home</div> <div>Theme</div> <div>Argent Instant Help</div> <div>About</div> <div>Logout</div> </div>					
Scheduled Monitoring Tasks					
<div> <div>Search</div> <div>Refresh</div> <div>9 seconds</div> </div>					
Relator	Server Or Device	Status	Generator	Last Run Time	Next Run Time
REL_CONNECTIVITY	AI-2019-009	Ready		30 Sep 2022 15:52:36	30 Sep 2022 15:54:00
REL_CONNECTIVITY	DND-MFC-SQL	Ready		30 Sep 2022 15:52:36	30 Sep 2022 15:55:30
WFL_CHECK	AI-2019-009	Ready	AI-2019-009	30 Sep 2022 15:30:00	30 Sep 2022 16:00:00
Task Instances(Relator: WFL_CHECK, Server Or Device: AI-2019-009)					
<div> <div>Last 10 Instances</div> </div>					
Status	Execution Time	Generator	Task Number	Type	
Ended	30 Sep 2022 15:30:00	AI-2019-009	3001046		
Ended	30 Sep 2022 15:20:00	AI-2019-009	3001039		
Ended	30 Sep 2022 15:10:00	AI-2019-009	3001031		

Click **View Workflow Trace Log** to see execution trace log of selected Workflow instance:

ARGENT OMEGA (2.2A-2210-A)

Home

Theme

Argent Instant Help

About

Logout

Scheduled Monitoring Tasks

Search

Refresh

12 seconds

Relator	Server Or Device	Status	Generator	Last Run Time	Next Run Time
REL_CONNECTIVITY	AI-2019-009	Ready	AI-2019-009	30 Sep 2022 15:54:00	30 Sep 2022 15:57:00
REL_CONNECTIVITY	DND-MPC-SQL	Ready		30 Sep 2022 15:52:36	30 Sep 2022 15:55:30
WFL_CHECK	AI-2019-009	Ready	AI-2019-009	30 Sep 2022 15:30:00	30 Sep 2022 16:00:00

Task Instances(Relator: WFL_CHECK, Server Or Device: AI-2019-009)

Last 10 Instances

Status	Execution Time	Generator	Task Number	Type
Ended		AI-2019-009	3001046	
Ended		AI-2019-009	3001039	
Ended		AI-2019-009	3001031	

Refresh

Pause

View Workflow Trace Log

View Waterfall

Run Workflow Now

Hold

Release

Go To Definition

Click **View Waterfall** to see Workflow waterfall display:

ARGENT OMEGA (2.2A-2210-A)

Home

Theme

Argent Instant Help

About

Logout

Scheduled Monitoring Tasks

Search

Refresh

8 seconds

Relator	Server Or Device	Status	Generator	Last Run Time	Next Run Time
REL_CONNECTIVITY	AI-2019-009	Ready	AI-2019-009	30 Sep 2022 15:57:00	30 Sep 2022 16:00:00
REL_CONNECTIVITY	DND-MPC-SQL	Ready	AI-2019-009	30 Sep 2022 15:55:30	30 Sep 2022 15:58:30
WFL_CHECK	AI-2019-009	Ready	AI-2019-009	30 Sep 2022 15:30:00	30 Sep 2022 16:00:00

Task Instances(Relator: WFL_CHECK, Server Or Device: AI-2019-009)

Last 10 Instances

Status	Execution Time	Generator	Task Number	Type
Ended	30 Sep 2022 15:30:00	AI-2019-009	3001046	
Ended	30 Sep 2022 15:20:00	AI-2019-009	3001039	
Ended	30 Sep 2022 15:10:00	AI-2019-009	3001031	

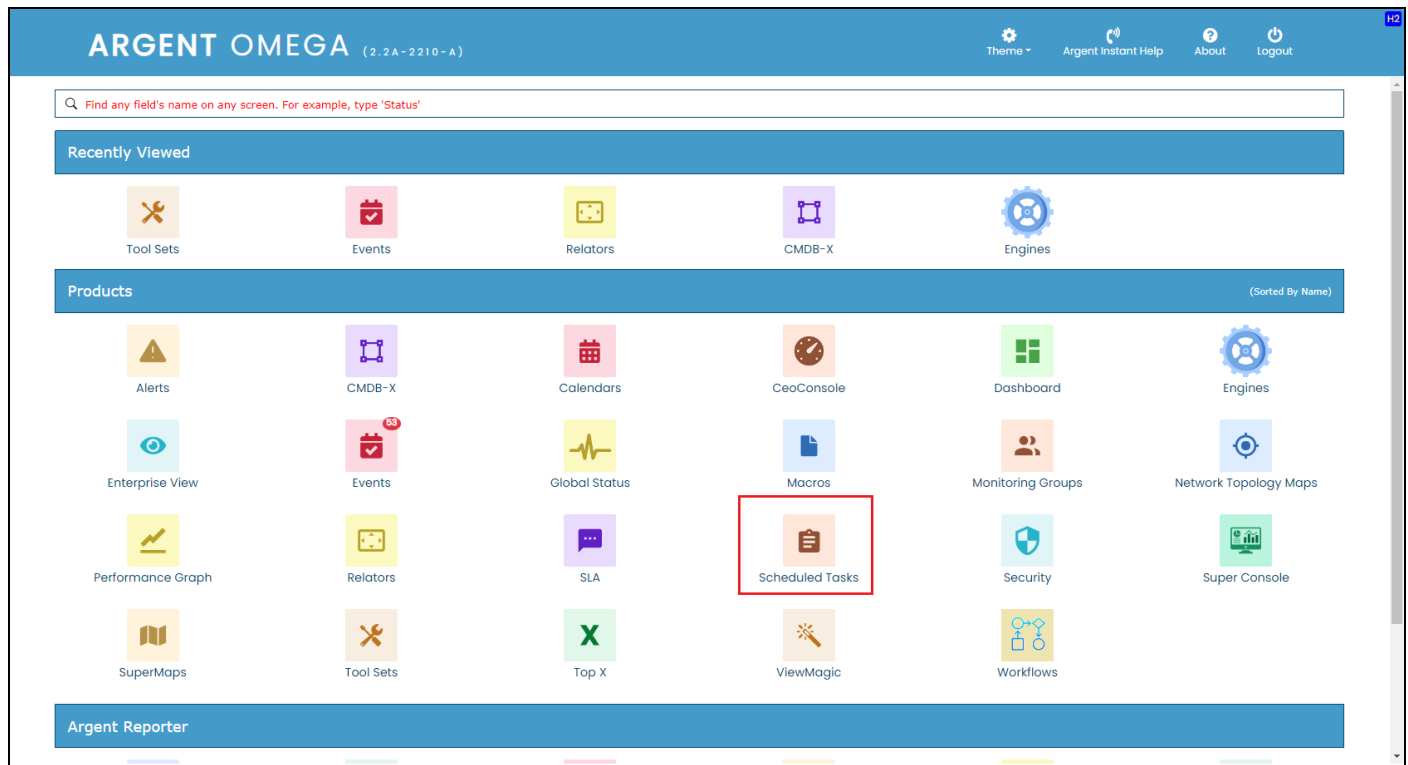
Workflow Waterfall Display

Step	Computer/Monitoring Group	Action	Status	Start Time	End Time	Action Progress
1	BMG_DEMO	REBOOT_REBOOT	Finished	30 Sep 2022 15:30:07	30 Sep 2022 15:30:43	100%

Scheduled Tasks

The **Scheduled Tasks** section is a useful method of viewing the schedules for upcoming Relators or Workflows, as well as Relators or Workflows that have completed execution. Each task has an individual log that can be viewed by right-clicking on the task.

Select **Scheduled Tasks** from the Home Screen.



ARGENT OMEGA

(2.2A-2204-T1) Pre-Production Version

Home

Theme

Argent Instant Help

About

Logout

Scheduled Monitoring Tasks

SearchRefresh11 seconds

Relator	Server Or Device	Status	Generator	Last Run Time	Next Run Time
REL_DEN0	570_WASH_2ND_FLR_ANNEX_A_SERVER_18	Ready	AI-2019-009	1 Jun 2022 15:20:00	1 Jun 2022 15:30:00
REL_DEN0	570_WASH_2ND_FLR_ANNEX_A_SERVER_3	Ready	OMEGA MOTOR	1 Jun 2022 15:13:20	1 Jun 2022 15:23:20
REL_DEN0	570_WASH_2ND_FLR_ANNEX_A_SERVER_33	Ready	AI-2019-009	1 Jun 2022 15:16:40	1 Jun 2022 15:26:40
REL_PRODUCTION_CONNECTIVITY	192.168.1.1	Ready	AI-2019-009	1 Jun 2022 15:18:00	1 Jun 2022 15:21:00
REL_PRODUCTION_CONNECTIVITY	192.168.1.7	Ready	OMEGA MOTOR	1 Jun 2022 15:18:03	1 Jun 2022 15:21:03
REL_PRODUCTION_CONNECTIVITY	192.168.2.1	Ready	AI-2019-009	1 Jun 2022 15:18:06	1 Jun 2022 15:21:06
REL_PRODUCTION_CONNECTIVITY	192.168.2.5	Ready	OMEGA MOTOR	1 Jun 2022 15:18:09	1 Jun 2022 15:21:09
REL_PRODUCTION_CONNECTIVITY	192.168.3.10	Ready	AI-2019-009	1 Jun 2022 15:18:12	1 Jun 2022 15:21:12
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_A_SERVER_18	Ready	OMEGA MOTOR	1 Jun 2022 15:18:16	1 Jun 2022 15:21:16
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_A_SERVER_3	Ready	AI-2019-009	1 Jun 2022 15:18:19	1 Jun 2022 15:21:19
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_A_SERVER_33	Ready	OMEGA MOTOR	1 Jun 2022 15:18:22	1 Jun 2022 15:21:22
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_A_SERVER_48	Ready	AI-2019-009	1 Jun 2022 15:18:25	1 Jun 2022 15:21:25
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_B_SERVER_19	Ready	OMEGA MOTOR	1 Jun 2022 15:18:28	1 Jun 2022 15:21:28
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_B_SERVER_34	Ready	AI-2019-009	1 Jun 2022 15:18:32	1 Jun 2022 15:21:32
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_B_SERVER_4	Ready	OMEGA MOTOR	1 Jun 2022 15:18:35	1 Jun 2022 15:21:35
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_B_SERVER_49	Ready	AI-2019-009	1 Jun 2022 15:18:38	1 Jun 2022 15:21:38
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_C_SERVER_20	Ready	OMEGA MOTOR	1 Jun 2022 15:18:41	1 Jun 2022 15:21:41
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_C_SERVER_35	Ready	AI-2019-009	1 Jun 2022 15:18:45	1 Jun 2022 15:21:45

Task Instances(Relator: REL_PRODUCTION_CONNECTIVITY, Server/Device: 192.168.1.1)

Last 10 Instances

Status	Execution Time	Generator	Task Number	Type
Ended	1 Jun 2022 15:18:00	AI-2019-009	3004206	
Ended	1 Jun 2022 15:15:00	AI-2019-009	3004134	
Ended	1 Jun 2022 15:12:00	AI-2019-009	3004062	
Ended	1 Jun 2022 15:09:00	AI-2019-009	3003992	
Ended	1 Jun 2022 15:06:00	AI-2019-009	3003921	
Ended	1 Jun 2022 15:03:00	AI-2019-009	3003850	
Ended	1 Jun 2022 15:00:00	AI-2019-009	3003780	
Ended	1 Jun 2022 14:57:00	AI-2019-009	3003709	
Ended	1 Jun 2022 14:54:00	AI-2019-009	3003638	
Ended	1 Jun 2022 14:51:00	AI-2019-009	3003567	

Select any Relator and click **View Relator Trace Log** from context menu.

≡

ARGENT OMEGA

(2.2A-2204-T1) Pre-Production Version

Home

Theme

Argent Instant Help

About

Logout

13

Scheduled Monitoring Tasks

SearchRefresh1 second

Relator	Server Or Device	Status	Generator	Last Run Time	Next Run Time
REL_DEMO	570_WASH_2ND_FLR_ANNEX_A_SERVER_18	Ready	AI-2019-009	1 Jun 2022 15:20:00	1 Jun 2022 15:30:00
REL_DEMO	570_WASH_2ND_FLR_ANNEX_A_SERVER_3	Ready	OMEGA_MOTOR	1 Jun 2022 15:13:20	1 Jun 2022 15:23:20
REL_DEMO	570_WASH_2ND_FLR_ANNEX_A_SERVER_33	Ready	AI-2019-009	1 Jun 2022 15:16:40	1 Jun 2022 15:26:40
REL_PRODUCTION_CONNECTIVITY	192.168.1.1	Ready	AI-2019-009	1 Jun 2022 15:18:00	1 Jun 2022 15:21:00
REL_PRODUCTION_CONNECTIVITY	192.168.1.7	Ready	OMEGA_MOTOR	1 Jun 2022 15:18:03	1 Jun 2022 15:21:03
REL_PRODUCTION_CONNECTIVITY	192.168.2.1	Ready	AI-2019-009	1 Jun 2022 15:18:06	1 Jun 2022 15:21:06
REL_PRODUCTION_CONNECTIVITY	192.168.2.5	Ready	OMEGA_MOTOR	1 Jun 2022 15:18:09	1 Jun 2022 15:21:09
REL_PRODUCTION_CONNECTIVITY	192.168.3.10	Ready	AI-2019-009	1 Jun 2022 15:18:12	1 Jun 2022 15:21:12
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_A_SERVER_18	Ready	OMEGA_MOTOR	1 Jun 2022 15:18:16	1 Jun 2022 15:21:16
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_A_SERVER_3	Ready	AI-2019-009	1 Jun 2022 15:18:19	1 Jun 2022 15:21:19
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_A_SERVER_33	Ready	OMEGA_MOTOR	1 Jun 2022 15:18:22	1 Jun 2022 15:21:22
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_A_SERVER_48	Ready	AI-2019-009	1 Jun 2022 15:18:25	1 Jun 2022 15:21:25
REL_PRODUCTION_CONNECTIVITY	570_WASH_2ND_FLR_ANNEX_B_SERVER_19	Ready	OMEGA_MOTOR	1 Jun 2022 15:18:28	1 Jun 2022 15:21:28

Task Instances(Relator: REL_PRODUCTION_CONNECTIVITY, Server/Device: 192.168.1.1)

Last 10 Instances

Status	Execution Time	Generator	Task Number	Type
Ended	1 Jun 2022 15:18:00	AI-2019-009	3004206	
Ended	1 Jun 2022 15:15:00	AI-2019-009	3004134	
Ended	1 Jun 2022 15:12:00	AI-2019-009	3004062	
Ended	1 Jun 2022 15:09:00	AI-2019-009	3003992	
Ended	1 Jun 2022 15:06:00	AI-2019-009	3003921	
Ended	1 Jun 2022 15:03:00	AI-2019-009	3003850	
Ended	1 Jun 2022 15:00:00	AI-2019-009	3003780	
Ended	1 Jun 2022 14:57:00	AI-2019-009	3003709	
Ended	1 Jun 2022 14:54:00	AI-2019-009	3003638	
Ended	1 Jun 2022 14:51:00	AI-2019-009	3003567	

Refresh

Pause

View Relator Trace Log

Clear Trace Log

Run Relator Now

Hold

Release

Go To Definition

← → ↺

blob:http://localhost:6100/d994c040-efc8-4b31-957e-f72b2d0034ad

🔍 ⭐ 📄 👤 ⋮

01 Jun 2022 15:09:00 AI-2019-009 No outstanding condition found for included Rules

01 Jun 2022 15:09:00 AI-2019-009 Submitted task to Generator 'AI-2019-009' (Pool: 1)

01 Jun 2022 15:09:07 AI-2019-009 *** Saving Performance Data for Argent Forecaster ***

01 Jun 2022 15:09:07 AI-2019-009 2022-06-01 09:39:03 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP)\System Alive = 1.00

01 Jun 2022 15:09:07 AI-2019-009 2022-06-01 09:39:03 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port1)\System Alive = 1.00

01 Jun 2022 15:09:07 AI-2019-009 2022-06-01 09:39:03 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port2)\System Alive = 1.00

01 Jun 2022 15:09:07 AI-2019-009 2022-06-01 09:39:03 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port3)\System Alive = 1.00

01 Jun 2022 15:09:07 AI-2019-009 2022-06-01 09:39:03 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port4)\System Alive = 1.00

01 Jun 2022 15:09:07 AI-2019-009 2022-06-01 09:39:03 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port5)\System Alive = 1.00

01 Jun 2022 15:09:03 AI-2019-009 Successfully reach server 192.168.1.1

01 Jun 2022 15:09:07 AI-2019-009 (Not Broken) Argent Omega Baseline: Successfully reach server 192.168.1.1

01 Jun 2022 15:09:07 AI-2019-009 Total time spent: 0:00:00:00.0009832 (Executor: AI-2019-009, User: ANYTIME-SUPPORT\Gir1)

01 Jun 2022 15:12:00 AI-2019-009 No outstanding condition found for included Rules

01 Jun 2022 15:12:00 AI-2019-009 Submitted task to Generator 'AI-2019-009' (Pool: 1)

01 Jun 2022 15:12:05 AI-2019-009 *** Saving Performance Data for Argent Forecaster ***

01 Jun 2022 15:12:05 AI-2019-009 2022-06-01 09:42:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP)\System Alive = 1.00

01 Jun 2022 15:12:05 AI-2019-009 2022-06-01 09:42:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port2)\System Alive = 1.00

01 Jun 2022 15:12:05 AI-2019-009 2022-06-01 09:42:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port3)\System Alive = 1.00

01 Jun 2022 15:12:05 AI-2019-009 2022-06-01 09:42:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port4)\System Alive = 1.00

01 Jun 2022 15:12:05 AI-2019-009 2022-06-01 09:42:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port5)\System Alive = 1.00

01 Jun 2022 15:12:01 AI-2019-009 Successfully reach server 192.168.1.1

01 Jun 2022 15:12:05 AI-2019-009 (Not Broken) Argent Omega Baseline: Successfully reach server 192.168.1.1

01 Jun 2022 15:12:05 AI-2019-009 Total time spent: 0:00:00:00.0000000 (Executor: AI-2019-009, User: ANYTIME-SUPPORT\Gir1)

01 Jun 2022 15:15:00 AI-2019-009 No outstanding condition found for included Rules

01 Jun 2022 15:15:00 AI-2019-009 Submitted task to Generator 'AI-2019-009' (Pool: 1)

01 Jun 2022 15:15:04 AI-2019-009 *** Saving Performance Data for Argent Forecaster ***

01 Jun 2022 15:15:04 AI-2019-009 2022-06-01 09:45:00 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP)\System Alive = 1.00

01 Jun 2022 15:15:04 AI-2019-009 2022-06-01 09:45:00 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port1)\System Alive = 1.00

01 Jun 2022 15:15:04 AI-2019-009 2022-06-01 09:45:00 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port2)\System Alive = 1.00

01 Jun 2022 15:15:04 AI-2019-009 2022-06-01 09:45:00 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port3)\System Alive = 1.00

01 Jun 2022 15:15:04 AI-2019-009 2022-06-01 09:45:00 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port4)\System Alive = 1.00

01 Jun 2022 15:15:04 AI-2019-009 2022-06-01 09:45:00 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port5)\System Alive = 1.00

01 Jun 2022 15:15:00 AI-2019-009 Successfully reach server 192.168.1.1

01 Jun 2022 15:15:04 AI-2019-009 (Not Broken) Argent Omega Baseline: Successfully reach server 192.168.1.1

01 Jun 2022 15:15:04 AI-2019-009 Total time spent: 0:00:00:00.0009791 (Executor: AI-2019-009, User: ANYTIME-SUPPORT\Gir1)

01 Jun 2022 15:18:00 AI-2019-009 No outstanding condition found for included Rules

01 Jun 2022 15:18:00 AI-2019-009 Submitted task to Generator 'AI-2019-009' (Pool: 1)

01 Jun 2022 15:18:05 AI-2019-009 *** Saving Performance Data for Argent Forecaster ***

01 Jun 2022 15:18:05 AI-2019-009 2022-06-01 09:48:02 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP)\System Alive = 1.00

01 Jun 2022 15:18:05 AI-2019-009 2022-06-01 09:48:02 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port1)\System Alive = 1.00

01 Jun 2022 15:18:05 AI-2019-009 2022-06-01 09:48:02 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port2)\System Alive = 1.00

01 Jun 2022 15:18:05 AI-2019-009 2022-06-01 09:48:02 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port3)\System Alive = 1.00

01 Jun 2022 15:18:05 AI-2019-009 2022-06-01 09:48:02 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port4)\System Alive = 1.00

01 Jun 2022 15:18:05 AI-2019-009 2022-06-01 09:48:02 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port5)\System Alive = 1.00

01 Jun 2022 15:18:02 AI-2019-009 Successfully reach server 192.168.1.1

01 Jun 2022 15:18:05 AI-2019-009 (Not Broken) Argent Omega Baseline: Successfully reach server 192.168.1.1

01 Jun 2022 15:18:05 AI-2019-009 Total time spent: 0:00:00:00.0009791 (Executor: AI-2019-009, User: ANYTIME-SUPPORT\Gir1)

01 Jun 2022 15:21:00 AI-2019-009 No outstanding condition found for included Rules

01 Jun 2022 15:21:00 AI-2019-009 Submitted task to Generator 'AI-2019-009' (Pool: 1)

01 Jun 2022 15:21:03 AI-2019-009 *** Saving Performance Data for Argent Forecaster ***

01 Jun 2022 15:21:03 AI-2019-009 2022-06-01 09:51:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP)\System Alive = 1.00

01 Jun 2022 15:21:03 AI-2019-009 2022-06-01 09:51:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port1)\System Alive = 1.00

01 Jun 2022 15:21:03 AI-2019-009 2022-06-01 09:51:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port2)\System Alive = 1.00

01 Jun 2022 15:21:03 AI-2019-009 2022-06-01 09:51:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port3)\System Alive = 1.00

01 Jun 2022 15:21:03 AI-2019-009 2022-06-01 09:51:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port4)\System Alive = 1.00

01 Jun 2022 15:21:03 AI-2019-009 2022-06-01 09:51:01 (UTC): \\192.168.1.1\Service Level Agreement(192.168.1.1\$SNMP\Port5)\System Alive = 1.00

01 Jun 2022 15:21:01 AI-2019-009 Successfully reach server 192.168.1.1

Alerts

Argent Omega separates Alerts into three categories:

- Correction
- Notification
- Alert Macros

≡

ARGENT OMEGA

(2.2 A - 2210 - A)

Home

Theme

Argent Instant Help

About

Logout

N2

Tool Sets

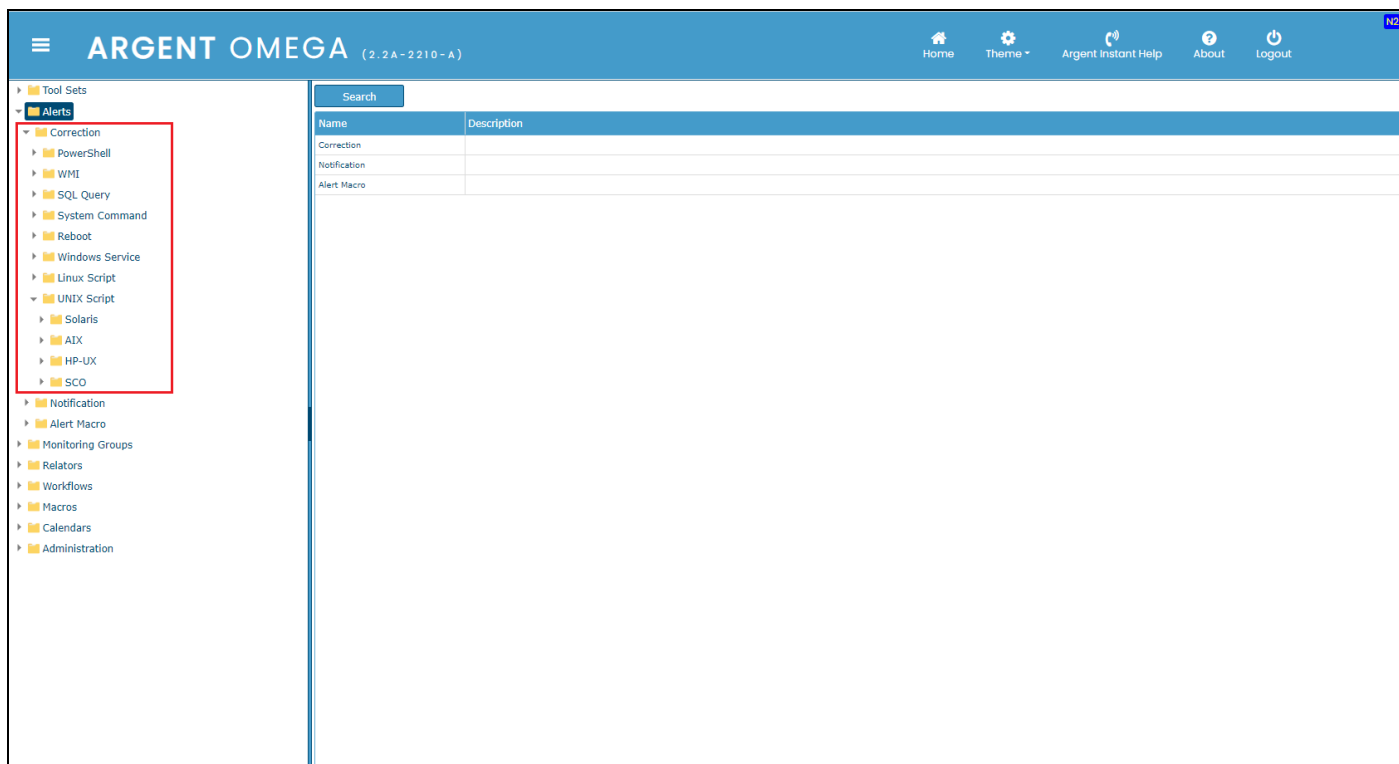
- Alerts
 - Correction
 - Notification
 - Alert Macro
- Monitoring Groups
- Relators
- Workflows
- Macros
- Calendars
- Administration

Search

Name	Description
Correction	
Notification	
Alert Macro	

Correction Alerts

Argent Omega comes with a set of Correction Alerts to proactively correct issues.

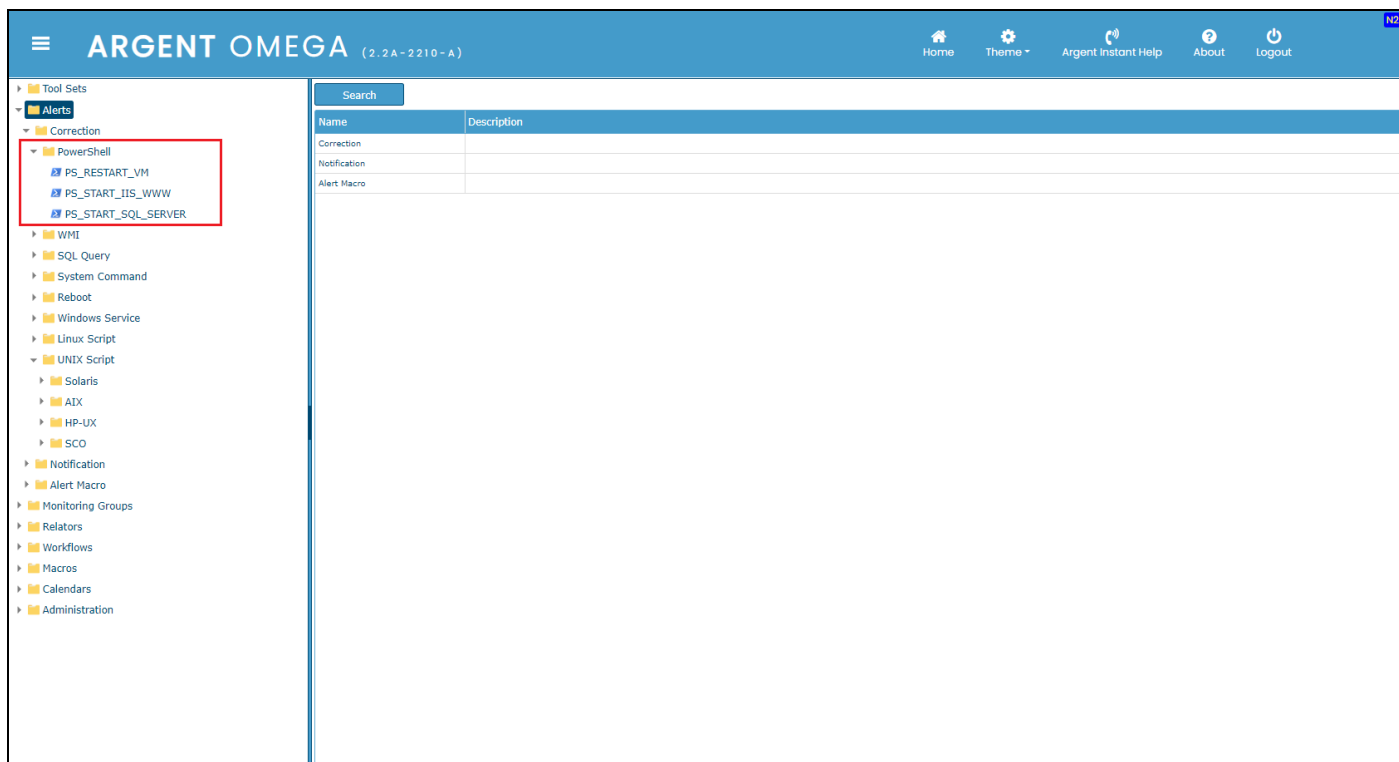


The screenshot shows the Argent Omega web interface. The top navigation bar includes the logo, version (2.2 A - 2210 - A), and links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar lists various tool sets, with 'Alerts' expanded and 'Correction' highlighted. The main panel shows a table with columns 'Name' and 'Description', containing rows for 'Correction', 'Notification', and 'Alert Macro'.

- PowerShell

These Alerts allow you to execute any PowerShell script.

Remember to specify the PowerShell credentials before executing the Alert.



The screenshot shows the Argent Omega web interface. The top navigation bar includes the logo, version (2.2 A - 2210 - A), and links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar lists various tool sets, with 'Alerts' expanded and 'Correction' highlighted. The main panel shows a table with columns 'Name' and 'Description', containing rows for 'Correction', 'Notification', and 'Alert Macro'.

- **WMI**

These Alerts allow you to execute any WMI script.

≡

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Home

Theme

Argent Instant Help

About

Logout

Y3

Tool Sets

Alerts

Correction

PowerShell

WMI

VBS_CLUSTER_GROUP_OFFLINE

VBS_CLUSTER_GROUP_ONLINE

VBS_CLUSTER_NODE_RESUME

VBS_CLUSTER_RESOURCE_ADD_NODE

VBS_CLUSTER_RESOURCE_CHANGE_GROUP

VBS_CLUSTER_RESOURCE_MAINT_FALSE

VBS_CLUSTER_RESOURCE_MAINT_TRUE

VBS_CLUSTER_RESOURCE_OFFLINE

VBS_CLUSTER_RESOURCE_ONLINE

VBS_CLUSTER_RESOURCE_QUORUM

VBS_CLUSTER_RESOURCE_REMOVE_NODE

SQL Query

System Command

Reboot

Windows Service

Linux Script

UNIX Script

Solaris

AIX

HP-UX

SCO

Notification

Alert Macro

Monitoring Groups

Search

Refresh

Add New

Delete

Choose Global Security Object

Name	Last Changed Time (UTC)	Description
VBS_CLUSTER_GROUP_OFFLINE	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically take a cluster group offline.
VBS_CLUSTER_GROUP_ONLINE	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically put a cluster group back online.
VBS_CLUSTER_NODE_RESUME	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically resume a cluster node.
VBS_CLUSTER_RESOURCE_ADD...	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically add a cluster node to the resource.
VBS_CLUSTER_RESOURCE_CHA...	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically move the cluster object to a new resource group.
VBS_CLUSTER_RESOURCE_MAI...	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically set the cluster maintenance mode to FALSE.
VBS_CLUSTER_RESOURCE_MAI...	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically set the cluster maintenance mode to TRUE.
VBS_CLUSTER_RESOURCE_OFFL...	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically take a cluster resource offline.
VBS_CLUSTER_RESOURCE_ONL...	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically put a cluster resource back online.
VBS_CLUSTER_RESOURCE_QUO...	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically make the cluster object to be a quorum resource.
VBS_CLUSTER_RESOURCE_REM...	01 Jun 2022 05:27:35	This Argent Corrective Alert will automatically remove a cluster node from the cluster resource.

- **SQL Query**

These Alerts allow you to execute any SQL Query.

Remember to specify the SQL Server credentials before executing the Alert.

The screenshot displays the ARGENT OMEGA web interface. The top navigation bar includes the application name 'ARGENT OMEGA (2.2 A - 2210 - A)' and several utility links: Home, Theme, Argent Instant Help, About, and Logout. A left-hand sidebar lists various tool sets and alerts, with 'SA_SHRINK_DATABASE' highlighted under the 'SQL Query' category. The main content area is divided into two sections. The upper section contains configuration fields for the SQL query: 'SQL Server' (set to '{default}'), 'Database' (set to '{default}'), 'Logon User' (empty), and 'Password' (empty). A checkbox for 'Use Trusted Connection' is checked. Below these fields is a 'SQL Query' section with a 'Keywords' button and a text area containing a T-SQL query:

```
1 DBCC SHRINKDATABASE
2   (
3     , 'Database_Name' | Database_ID | 0
4     , Target_Percent
5     , { NOTRUNCATE | TRUNCATEONLY }
6   )
7 WITH NO_INFOMSGS
```

 The lower section is titled 'Description:' and contains a text area with the following text:

This Argent Corrective Alert will automatically shrink a database.

 Below the text area is a 'Syntax:' section with the following T-SQL syntax:

```
DBCC SHRINKDATABASE
(Database_Name | Database_ID) 0
, Target_Percent
, { NOTRUNCATE | TRUNCATEONLY }
WITH NO_INFOMSGS
```

 At the bottom of the main content area, there are several action buttons: Save, Undo, Delete, Copy, Rename, and Test.

- **System Command**

These Alerts allow you to execute any batch file, command file or executable on any machine.

Remember to specify the Windows credentials before executing the Alert on a remote machine.

The screenshot displays the ARGENT OMEGA (2.2A-2210-A) web interface. The top navigation bar includes links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar shows a tree view of tool sets and alerts, with 'CD_CLEAN_TEMP_DIR' highlighted under the 'System Command' category. The main content area is configured for this alert, showing the following details:

- Command:** \\%AGNodeName%\ArgentAlertConsole\CLEAN_TEMP_DIR.CMD
- Arguments:** (Empty field)
- Timeout:** 60 Seconds
- Simple Run Command Line And Log No Output:** (Checked checkbox)
- Description:** This Argent Corrective Alert will automatically clean the temporary directory.

At the bottom of the main area, there are buttons for Save, Undo, Delete, Copy, Rename, and Test.

- **Reboot**

These Alerts allow you to perform a **system reboot or shutdown**. Argent Omega will automatically close all applications and perform the specified action.

This Alert is restricted only to Administrator users.

The screenshot displays the Argent Omega web interface. The top navigation bar includes the 'ARGENT OMEGA' logo with version '(2.2 A-2210-A)' and links for Home, Theme, Argent Instant Help, About, and Logout. A left sidebar lists various tool sets and alerts, with 'Reboot' and 'REBOOT_REBOOT' highlighted. The main content area is titled 'Message: Keywords' and contains a warning message: 'THIS SYSTEM WILL REBOOT IN FIVE (5) MINUTES! PLEASE SAVE YOUR WORK AND LOG OFF IMMEDIATELY TO PREVENT LOSS OF DATA!'. Below the message, there are checkboxes for 'Forcibly Close Applications' and 'Reboot After Shutdown', both of which are checked. A 'Timeout' field is set to '300' seconds. A rich text editor for the 'Description' field contains the text: 'This Argent Corrective Alert will automatically close all applications and reboot the system.' At the bottom of the configuration area, there are buttons for 'Save', 'Undo', 'Delete', 'Copy', 'Rename', and 'Test'.

- **Windows Service**

These Alerts allow you to Stop, Start, or Restart a stalled or stopped service.

Argent is unique in its ability to detect and correct a stalled service – one that says “Running” on the SCM screen; see Argent KBI https://Help.Argent.com/#KBI_310212

ARGENT OMEGA (2.2A-2210-A)

Home Theme Argent Instant Help About Logout

Tool Sets

- Alerts
 - Correction
 - PowerShell
 - WMI
 - SQL Query
 - System Command
 - Reboot
 - Windows Service
 - SS_RESTART**
 - SS_RESTART_EXCHANGE_POP3
 - SS_RESTART_EXCHANGE_REPLICATION
 - SS_START
 - SS_STOP
 - Linux Script
 - UNIX Script
 - Solaris
 - AIX
 - HP-UX
 - SCO
 - Notification
 - Alert Macro
 - Monitoring Groups
 - Relators
 - Workflows
 - Macros
 - Calendars
 - Administration

Operation: Restart

Service Name: #BROKEN_SERVICE#

Display Name: (Optional)

Description:

This Argent Corrective Alert will automatically stop, sleep for thirty (30) seconds, and start the affected service.

Full Screen

Save Undo Delete Copy Rename Test

Select any service name and choose the type of operation for broken service.

ARGENT OMEGA (2.2A-2210-A)

Home Theme Argent Instant Help About Logout

Tool Sets

- Alerts
 - Correction
 - PowerShell
 - WMI
 - SQL Query
 - System Command
 - Reboot
 - Windows Service
 - SS_RESTART**
 - SS_RESTART_EXCHANGE_POP3
 - SS_RESTART_EXCHANGE_REPLICATION
 - SS_START
 - SS_STOP
 - Linux Script
 - UNIX Script
 - Solaris
 - AIX
 - HP-UX
 - SCO
 - Notification
 - Alert Macro
 - Monitoring Groups
 - Relators
 - Workflows
 - Macros
 - Calendars
 - Administration

Operation: Restart

Service Name: #BROKEN_SERVICE#

Display Name: (Optional)

Description:

This Argent Corrective Alert will automatically stop, sleep for thirty (30) seconds, and start the affected service.

Full Screen

Save Undo Delete Copy Rename Test

Select A Service

Remote Machine: AI-2019-009 Load

Execute On: (default)

Service Name	Display Name	Status
AdobeARMSvc	Adobe Acrobat Update Service	Running
AIRouter	Alloy Router Service	Stopped
ALG	Application Layer Gateway Service	Stopped
AppHostSvc	Application Host Helper Service	Running
AppIDSvc	Application Identity	Stopped
AppInfo	Application Information	Running
AppMgmt	Application Management	Stopped
AppReadiness	App Readiness	Stopped
AppVClient	Microsoft App-V Client	Stopped

OK Cancel

- **Linux Script**

These Alerts allow you to execute any Linux shell script.

Remember to specify the Linux credentials before executing the Alert.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) web interface. The top navigation bar includes links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar contains a tree view of tool sets and alerts, with 'Linux Script' selected. The main content area is titled 'Linux Script: Keywords' and displays a sample shell script. The script includes a copyright notice for ARGENT OMEGA and a function to broadcast a message using the 'wall' command. Below the script, there is a 'Timeout' field set to 60 seconds and a 'Description' field with a text area.

```
1 #!/bin/sh
2 #
3 #
4 # Copyright (c) 2011 ARG Intellectual Property Holdings (HK), Limited
5 #
6 # All Rights Reserved.
7 #
8 # ARG Intellectual Property Holdings (HK), Limited
9 #
10 #
11 # This is PROPRIETARY SOURCE CODE of ARG Intellectual Property Holdings (HK), Limited.
12 #
13 # The contents of this file may not be disclosed to third parties, copied or
14 # duplicated in any form, in whole or in part, without the prior written
15 # permission of ARG Intellectual Property Holdings (HK), Limited.
16 #
17 # RESTRICTED RIGHTS LEGEND:
18 # Use, duplication or disclosure by the Government is subject to restrictions
19 # as set forth in subdivision (c)(1)(ii) of the Rights in Technical Data
20 # and Computer Software Clause at DFARS 252.227-7013, and/or in similar or
21 # successor clauses in the FAR, DOD or NASA FAR Supplement.
22 #
23 # Unpublished - rights reserved under the Copyright Laws of the United States
24 # and other countries.
25 #
26 #
27 # This Argent Corrective Alert will automatically use 'wall' to broadcast a message to everyone logged into the system.
28 #
29 # The message is the argument string passed in.
30 #
31 #
32 WALL="wall"
33 #
34 "$WALL" <<!
35 $*
36 !
37 #
38 #
39 #
40 #
41 #
42 exit 0
```

Timeout: 60 Seconds

Description:

This Argent Corrective Alert will automatically use 'wall' to broadcast a message to everyone logged into the system.
The message is the argument string passed in.

Applications hosted off a UNIX environment that are causing issues in your environment can easily be corrected by running shell scripts to restart daemons, kill processes, cleanup disk space, etc.

- **UNIX Script**

These Alerts allow you to execute a UNIX shell script.

The screenshot displays the ARGENT OMEGA (2.2A-2210-A) web interface. On the left, a navigation tree under 'Alerts' shows 'UNIX Script' expanded, with 'SUN Solaris' selected. Three scripts are listed: 'ACT_SUNOS_BROADCAST_MESSAGE' (highlighted), 'ACT_SUNOS_DISK_CLEANUP', and 'ACT_SUNOS_RESTART_LPSCHED'. The main panel shows the 'SUN Solaris Script' editor with a 'Keywords' button. The script content includes a shebang, copyright notice, and a 'wall' command to broadcast a message. Below the script editor, a 'Timeout' of 60 seconds is set. A 'Description' field contains the text: 'This Argent Corrective Alert will automatically use 'wall' to broadcast a message to everyone logged into the system. The message is the argument string passed in.' A 'Full Screen' button is located in the bottom right of the description area.

```
1 #!/bin/sh
2 #
3 #
4 # Copyright (c) 2011 ARB Intellectual Property Holdings (HK), Limited
5 #
6 # All Rights Reserved.
7 #
8 # ARB Intellectual Property Holdings (HK), Limited
9 #
10 #
11 # This is PROPRIETARY SOURCE CODE of ARB Intellectual Property Holdings (HK), Limited.
12 #
13 # The contents of this file may not be disclosed to third parties, copied or
14 # duplicated in any form, in whole or in part, without the prior written
15 # permission of ARB Intellectual Property Holdings (HK), Limited.
16 #
17 # RESTRICTED RIGHTS LEGEND:
18 # Use, duplication or disclosure by the Government is subject to restrictions
19 # as set forth in subdivision (c)(1)(ii) of the Rights in Technical Data
20 # and Computer Software clause at DFARS 252.227-7013, and/or in similar or
21 # successor clauses in the FAR, DOD or NASA FAR Supplement.
22 #
23 # Unpublished - rights reserved under the Copyright Laws of the United States
24 # and other countries.
25 #
26 #
27 # This action script uses 'wall' to send a message to everyone logged in the system.
28 #
29 # The message is the argument string passed in.
30 #
31 #
32 WALL="wall -a"
33 #
34 "$WALL" <<|
35 $*
36 !
37 #
38 #
39 #
40 #
41 #
42 #
43 #
44 #
45 #
46 #
47 #
48 #
49 #
50 #
51 #
52 #
53 #
54 #
55 #
56 #
57 #
58 #
59 #
60 #
61 #
62 #
63 #
64 #
65 #
66 #
67 #
68 #
69 #
70 #
71 #
72 #
73 #
74 #
75 #
76 #
77 #
78 #
79 #
80 #
81 #
82 #
83 #
84 #
85 #
86 #
87 #
88 #
89 #
90 #
91 #
92 #
93 #
94 #
95 #
96 #
97 #
98 #
99 #
100 #
101 #
102 #
103 #
104 #
105 #
106 #
107 #
108 #
109 #
110 #
111 #
112 #
113 #
114 #
115 #
116 #
117 #
118 #
119 #
120 #
121 #
122 #
123 #
124 #
125 #
126 #
127 #
128 #
129 #
130 #
131 #
132 #
133 #
134 #
135 #
136 #
137 #
138 #
139 #
140 #
141 #
142 #
143 #
144 #
145 #
146 #
147 #
148 #
149 #
150 #
151 #
152 #
153 #
154 #
155 #
156 #
157 #
158 #
159 #
160 #
161 #
162 #
163 #
164 #
165 #
166 #
167 #
168 #
169 #
170 #
171 #
172 #
173 #
174 #
175 #
176 #
177 #
178 #
179 #
180 #
181 #
182 #
183 #
184 #
185 #
186 #
187 #
188 #
189 #
190 #
191 #
192 #
193 #
194 #
195 #
196 #
197 #
198 #
199 #
200 #
201 #
202 #
203 #
204 #
205 #
206 #
207 #
208 #
209 #
210 #
211 #
212 #
213 #
214 #
215 #
216 #
217 #
218 #
219 #
220 #
221 #
222 #
223 #
224 #
225 #
226 #
227 #
228 #
229 #
230 #
231 #
232 #
233 #
234 #
235 #
236 #
237 #
238 #
239 #
240 #
241 #
242 #
243 #
244 #
245 #
246 #
247 #
248 #
249 #
250 #
251 #
252 #
253 #
254 #
255 #
256 #
257 #
258 #
259 #
260 #
261 #
262 #
263 #
264 #
265 #
266 #
267 #
268 #
269 #
270 #
271 #
272 #
273 #
274 #
275 #
276 #
277 #
278 #
279 #
280 #
281 #
282 #
283 #
284 #
285 #
286 #
287 #
288 #
289 #
290 #
291 #
292 #
293 #
294 #
295 #
296 #
297 #
298 #
299 #
300 #
301 #
302 #
303 #
304 #
305 #
306 #
307 #
308 #
309 #
310 #
311 #
312 #
313 #
314 #
315 #
316 #
317 #
318 #
319 #
320 #
321 #
322 #
323 #
324 #
325 #
326 #
327 #
328 #
329 #
330 #
331 #
332 #
333 #
334 #
335 #
336 #
337 #
338 #
339 #
340 #
341 #
342 #
343 #
344 #
345 #
346 #
347 #
348 #
349 #
350 #
351 #
352 #
353 #
354 #
355 #
356 #
357 #
358 #
359 #
360 #
361 #
362 #
363 #
364 #
365 #
366 #
367 #
368 #
369 #
370 #
371 #
372 #
373 #
374 #
375 #
376 #
377 #
378 #
379 #
380 #
381 #
382 #
383 #
384 #
385 #
386 #
387 #
388 #
389 #
390 #
391 #
392 #
393 #
394 #
395 #
396 #
397 #
398 #
399 #
400 #
401 #
402 #
403 #
404 #
405 #
406 #
407 #
408 #
409 #
410 #
411 #
412 #
413 #
414 #
415 #
416 #
417 #
418 #
419 #
420 #
421 #
422 #
423 #
424 #
425 #
426 #
427 #
428 #
429 #
430 #
431 #
432 #
433 #
434 #
435 #
436 #
437 #
438 #
439 #
440 #
441 #
442 #
443 #
444 #
445 #
446 #
447 #
448 #
449 #
450 #
451 #
452 #
453 #
454 #
455 #
456 #
457 #
458 #
459 #
460 #
461 #
462 #
463 #
464 #
465 #
466 #
467 #
468 #
469 #
470 #
471 #
472 #
473 #
474 #
475 #
476 #
477 #
478 #
479 #
480 #
481 #
482 #
483 #
484 #
485 #
486 #
487 #
488 #
489 #
490 #
491 #
492 #
493 #
494 #
495 #
496 #
497 #
498 #
499 #
500 #
501 #
502 #
503 #
504 #
505 #
506 #
507 #
508 #
509 #
510 #
511 #
512 #
513 #
514 #
515 #
516 #
517 #
518 #
519 #
520 #
521 #
522 #
523 #
524 #
525 #
526 #
527 #
528 #
529 #
530 #
531 #
532 #
533 #
534 #
535 #
536 #
537 #
538 #
539 #
540 #
541 #
542 #
543 #
544 #
545 #
546 #
547 #
548 #
549 #
550 #
551 #
552 #
553 #
554 #
555 #
556 #
557 #
558 #
559 #
560 #
561 #
562 #
563 #
564 #
565 #
566 #
567 #
568 #
569 #
570 #
571 #
572 #
573 #
574 #
575 #
576 #
577 #
578 #
579 #
580 #
581 #
582 #
583 #
584 #
585 #
586 #
587 #
588 #
589 #
590 #
591 #
592 #
593 #
594 #
595 #
596 #
597 #
598 #
599 #
600 #
601 #
602 #
603 #
604 #
605 #
606 #
607 #
608 #
609 #
610 #
611 #
612 #
613 #
614 #
615 #
616 #
617 #
618 #
619 #
620 #
621 #
622 #
623 #
624 #
625 #
626 #
627 #
628 #
629 #
630 #
631 #
632 #
633 #
634 #
635 #
636 #
637 #
638 #
639 #
640 #
641 #
642 #
643 #
644 #
645 #
646 #
647 #
648 #
649 #
650 #
651 #
652 #
653 #
654 #
655 #
656 #
657 #
658 #
659 #
660 #
661 #
662 #
663 #
664 #
665 #
666 #
667 #
668 #
669 #
670 #
671 #
672 #
673 #
674 #
675 #
676 #
677 #
678 #
679 #
680 #
681 #
682 #
683 #
684 #
685 #
686 #
687 #
688 #
689 #
690 #
691 #
692 #
693 #
694 #
695 #
696 #
697 #
698 #
699 #
700 #
701 #
702 #
703 #
704 #
705 #
706 #
707 #
708 #
709 #
710 #
711 #
712 #
713 #
714 #
715 #
716 #
717 #
718 #
719 #
720 #
721 #
722 #
723 #
724 #
725 #
726 #
727 #
728 #
729 #
730 #
731 #
732 #
733 #
734 #
735 #
736 #
737 #
738 #
739 #
740 #
741 #
742 #
743 #
744 #
745 #
746 #
747 #
748 #
749 #
750 #
751 #
752 #
753 #
754 #
755 #
756 #
757 #
758 #
759 #
760 #
761 #
762 #
763 #
764 #
765 #
766 #
767 #
768 #
769 #
770 #
771 #
772 #
773 #
774 #
775 #
776 #
777 #
778 #
779 #
780 #
781 #
782 #
783 #
784 #
785 #
786 #
787 #
788 #
789 #
790 #
791 #
792 #
793 #
794 #
795 #
796 #
797 #
798 #
799 #
800 #
801 #
802 #
803 #
804 #
805 #
806 #
807 #
808 #
809 #
810 #
811 #
812 #
813 #
814 #
815 #
816 #
817 #
818 #
819 #
820 #
821 #
822 #
823 #
824 #
825 #
826 #
827 #
828 #
829 #
830 #
831 #
832 #
833 #
834 #
835 #
836 #
837 #
838 #
839 #
840 #
841 #
842 #
843 #
844 #
845 #
846 #
847 #
848 #
849 #
850 #
851 #
852 #
853 #
854 #
855 #
856 #
857 #
858 #
859 #
860 #
861 #
862 #
863 #
864 #
865 #
866 #
867 #
868 #
869 #
870 #
871 #
872 #
873 #
874 #
875 #
876 #
877 #
878 #
879 #
880 #
881 #
882 #
883 #
884 #
885 #
886 #
887 #
888 #
889 #
890 #
891 #
892 #
893 #
894 #
895 #
896 #
897 #
898 #
899 #
900 #
901 #
902 #
903 #
904 #
905 #
906 #
907 #
908 #
909 #
910 #
911 #
912 #
913 #
914 #
915 #
916 #
917 #
918 #
919 #
920 #
921 #
922 #
923 #
924 #
925 #
926 #
927 #
928 #
929 #
930 #
931 #
932 #
933 #
934 #
935 #
936 #
937 #
938 #
939 #
940 #
941 #
942 #
943 #
944 #
945 #
946 #
947 #
948 #
949 #
950 #
951 #
952 #
953 #
954 #
955 #
956 #
957 #
958 #
959 #
960 #
961 #
962 #
963 #
964 #
965 #
966 #
967 #
968 #
969 #
970 #
971 #
972 #
973 #
974 #
975 #
976 #
977 #
978 #
979 #
980 #
981 #
982 #
983 #
984 #
985 #
986 #
987 #
988 #
989 #
990 #
991 #
992 #
993 #
994 #
995 #
996 #
997 #
998 #
999 #
1000 #
```

Applications hosted off a UNIX environment that are causing issues in your environment can easily be corrected by running shell scripts to restart daemons, kill processes, cleanup disk space, etc.

Notification Alerts

Notification Alerts provide several ways to alert Administrators and support staff.

Argent Omega comes with a rich set of Notification Alerts.

≡ ARGENT OMEGA (2.2 A - 2210 - A)

HomeThemeArgent Instant HelpAboutLogout

Tool SetsAlertsCorrectionNotificationEmailEvent LogHelp DeskNetwork MessageSystem AlarmSMSSNMP TrapTwitterAlert MacroMonitoring GroupsRelatorsWorkflowsMacrosCalendarsAdministration

Search

Name	Description
Email	
Event Log	
Help Desk	
Network Message	
System Alarm	
SMS	
SNMP Trap	
Twitter	

- **Email**

This Alert allows you to send an email containing the details of the Alert to any recipient.

The screenshot shows the ARGENT OMEGA (2.2 A - 2210 - A) interface. The left sidebar lists various tool sets and alerts, with 'Email' selected. The main area contains fields for Email Type (AUTO), To (&RM_ADMINISTRATORS), CC, Importance (Not Specified), Subject (%AGStatus% - Issue on server: %AGNodeName%), and Message Text (%AGStatus% - Issue on server: %AGNodeName%). Below these are two rich text editors for Message Text and Description, both containing sample text and a 'NOTE' section. At the bottom are buttons for Save, Undo, Delete, Copy, Rename, and Test.

The SMTP server or MAPI profile is configured in the Administration area of Argent Omega.

Built-in “**Keywords**” can also be used in any of the fields to customize your Alert – see Argent KBI

https://Help.Argent.com/#KBI_312002

- **Event Log**

This Alert allows you to create a custom Event Log with the specified type and source.

Built-in “**Keywords**” can also be used in any of the fields to customize your Alert, see Argent KBI

https://Help.Argent.com/#KBI_312002

- **Help Desk**

This Alert allows you to forward Alerts to any third-party help desk facility.

- **Network Message**

This Alert allows you to send a network message (using the Messenger service) to a specific account, account group, or an entire domain.

The screenshot displays the ARGENT OMEGA web interface for configuring a Network Message alert. The interface has a blue header with the logo and navigation links (Home, Theme, Argent Instant Help, About, Logout). A left sidebar contains a tree view of tool sets, with 'Network Message' expanded and 'MSG_ADMINISTRATORS' selected. The main content area includes fields for 'Send To' (set to &UM_ADMINISTRATORS), 'Target Machine' (set to {local}), and 'Timeout' (set to 60 seconds). A 'Message' section has a 'Keywords' button and a text area containing '%AGLowDetail%'. Below this is a 'Description' section with a rich text editor toolbar and a text area containing sample text. At the bottom are buttons for 'Save', 'Undo', 'Delete', 'Copy', 'Rename', and 'Test'.

ARGENT OMEGA (2.2 A - 2210 - A)

Home Theme Argent Instant Help About Logout

Tool Sets

- Alerts
- Correction
- Notification
- Email
- Event Log
- Help Desk
- Network Message
 - MSG_ADMINISTRATORS**
 - MSG_DEMO
 - MSG_SERVER_LOCAL
 - MSG_SERVER_TARGET
- System Alarm
- SMS
- SNMP Trap
- Twitter
- Alert Macro
- Monitoring Groups
- Relators
- Workflows
- Macros
- Calendars
- Administration

Send To: &UM_ADMINISTRATORS

Target Machine: {local}

Timeout: 60 Seconds

Message: Keywords

%AGLowDetail%

Description:

Format Block Font

This sample Network Message Alert is sent to the Domain Administrators group using a User Macro (in this case &UM_ADMINISTRATORS)

The message includes a complete text alert.

Full Screen

Save Undo Delete Copy Rename Test

Built-in “**Keywords**” can also be used in any of the fields to customize your Alert, see Argent KBI

https://Help.Argent.com/#KBI_312002

- **System Alarm**

This Alert causes the Argent Omega server to emit a customized alarm (beep) originating from the machine's speaker.

The screenshot displays the Argent Omega web application interface. The top header bar is blue and contains the 'ARGENT OMEGA' logo with the version '(2.2 A - 2210 - A)' and navigation links: Home, Theme, Argent Instant Help, About, and Logout. A 'W2S' status indicator is in the top right corner.

The left sidebar features a tree view of tool sets, including Tool Sets, Alerts, Correction, Notification, Email, Event Log, Help Desk, Network Message, System Alarm (selected), SMS, SNMP Trap, Twitter, Alert Macro, Monitoring Groups, Relators, Workflows, Macros, Calendars, and Administration. Under 'System Alarm', the following items are listed: ALARM_DEMO (highlighted), ALARM_NOTIFY, ALARM_RING, and ALARM_TADA.

The main configuration area for the 'ALARM_DEMO' alert is shown. It includes the following fields:

- Wave File:** A text input field containing 'Alarm01.wav'.
- Repetition:** A dropdown menu set to 'Single Beep'.
- Description:** A rich text editor area containing the text: 'This sample System Alarm Alert is used for demonstration purposes. It plays \'windows/media/Alarm01.wav\' If only wave file name is given, engine searches Argent Alert Mechanism directory followed by Windows media sub-directory.'

At the bottom of the configuration area, there is a 'Full Screen' button and a row of action buttons: Save, Undo, Delete, Copy, Rename, and Test.

This Alert is typically used for local testing, and in most cases, is not a good choice for production use.

- **SMS**

This Alert allows you to send an SMS message to a specified cell phone number.

ARGENT OMEGA (2.2 A - 2210 - A)

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Correction
Notification
Email
Event Log
Help Desk
Network Message
System Alarm
SMS
SMS_USA_MOBILE
SNMP Trap
Twitter
Alert Macro
Monitoring Groups
Relators
Workflows
Macros
Calendars
Administration

Phone Numbers: 800-555-1212

☐ Replace Recipients For Escalation
☐ Send As WhatsApp Message

Message: Keywords

%AGHighDetail%

Description:

PLEASE NOTE THIS IS A SAMPLE AND NEEDS TO BE MODIFIED TO MEET YOUR REQUIREMENTS

This sample SMS Alert will send a customized message showing a highly detailed description of the event to the specified mobile number.

Save Undo Delete Copy Rename Test

An SMS modem and service provider is required to send the SMS message. The configuration for the SMS modem is set in the Administration area.

- **SNMP Trap**

This Argent Corrective Alert will automatically fire an SNMP trap message using the Argent Enterprise OID. The SNMP trap is sent through the installed Argent Console SNMP trap agent.

ARGENT OMEGA

(2.2 A - 2.10 - A)

Home

Theme

Argent Instant Help

About

Logout

Tool Sets

Alerts

Correction

Notification

Email

Event Log

Help Desk

Network Message

System Alarm

SMS

SNMP Trap

SP_SEND_TRAP

Twitter

Alert Macro

Monitoring Groups

Relators

Workflows

Macros

Calendars

Administration

SNMP Version:

SNMPv1

Destination SNMP Manager IP Address:

255.255.255.255

SNMP Trap Enterprise OID:

1.3.6.1.4.1.2940.1

Enterprise Specific Type:

1

Community:

public

Message:

Keywords

%AGHighDetail%

Description:

B I U Format Block Font T7 Bold Italic Underline Link List Bulleted List Numbered List Indent Outdent Table Insert Image Undo Redo

This Argent Corrective Alert will automatically fire an SNMP trap message using the Argent enterprise OID.

The SNMP trap is sent through the installed Argent Console SNMP trap agent.

Save

Undo

Delete

Copy

Rename

Test

- **Twitter**

This Twitter Alert will send a customized message showing a description of the Event to the specified Twitter account.

[illegible]

Calendars

Calendars provide maximum flexibility and customization while creating a schedule. The schedules can be defined to run the **Rule** on any desired day. For example, the last working day of a quarter.

The Calendar consists of two parts:

- **Base Definitions**
- **Holidays**

The known **Holidays** of a year can be defined in advance and the Base definition can be configured to consider the Holidays so that the schedule does not fall on a holiday.

The **Base Definition** has 12 predefined Calendar definitions to ease the creation of schedules. All these definitions can be customized further, or new ones created.

Add New available as a button on top of the list screen of the Base Definitions and as a right-click menu item can be used to create new Calendar definitions.

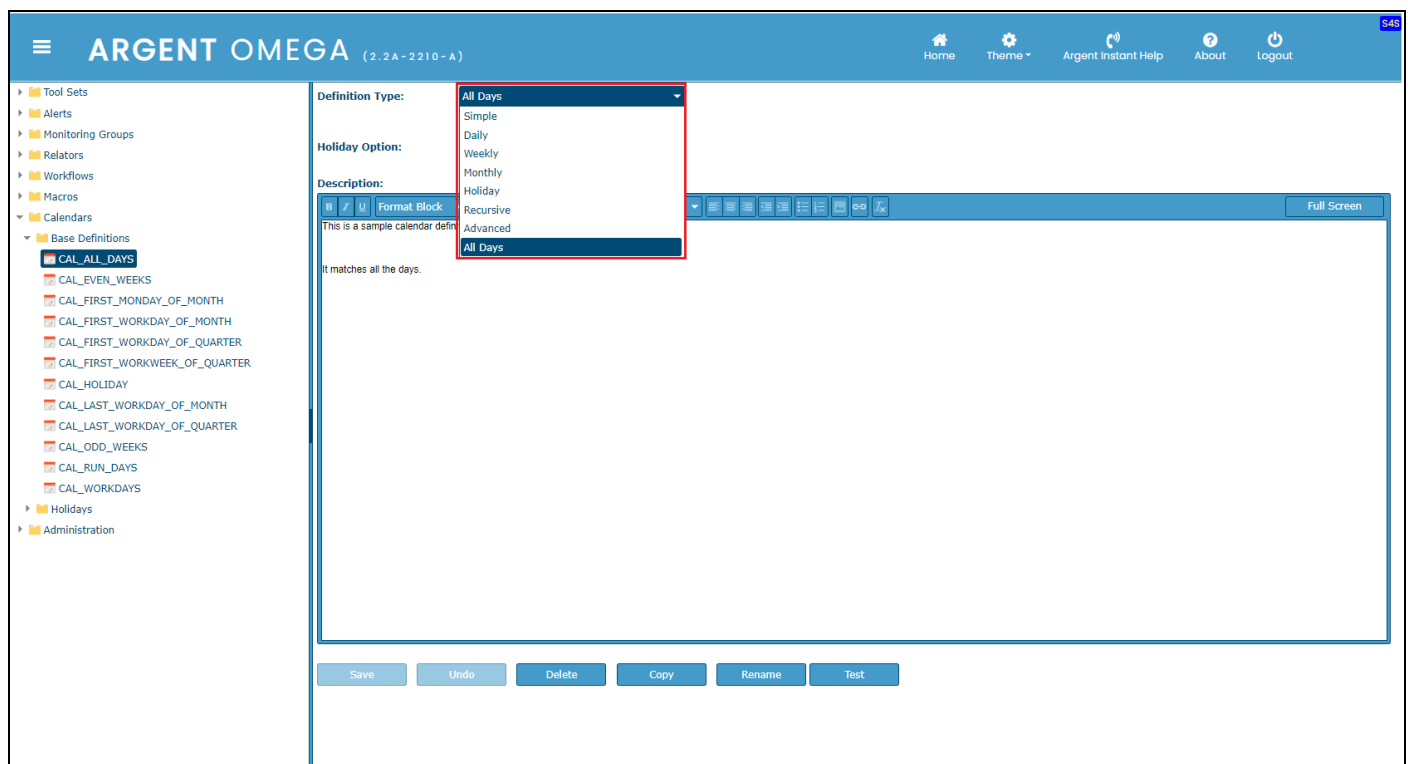
The name of the new Calendar definition can be specified in the pop-up sub-window:

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. On the left is a navigation menu with categories: Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, Calendars, Base Definitions, Holidays, and Administration. The 'Base Definitions' category is selected, showing a list of 12 predefined calendar definitions. The table has columns: Name, Last Changed Time (UTC), and Description. A right-click context menu is open over the 'CAL_FIRST_MONDAY_OF_MONTH' entry, showing options: Refresh, Add New, Delete, Export, Import, and Print List. The 'Add New' option is highlighted with a red box.

Name	Last Changed Time (UTC)	Description
CAL_ALL_DAYS	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. It matches all the days.
CAL_EVEN_WEEKS	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. This advanced calendar definition demonstrates how you can use the 'CAL_ODD_WEEKS' definition to create an alternating on-call times. Assign this calendar to Alerts that are fired every other week.
CAL_FIRST_MONDAY_OF_MONTH	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. This calendar definition would be used in conjunction with the demo calendar definition 'CAL_ODD_WEEKS' to create an alternating on-call schedule. Since the schedule naturally breaks the week on Saturday, this definition picks 30 Dec 2017, which is Saturday, as the start date, to create a schedule that breaks its week on Sunday.
CAL_FIRST_WORKDAY_OF_MONTH	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. It matches the first Monday of each month.
CAL_FIRST_WORKDAY_OF_MONTH	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. It matches the first workday of each month.
CAL_FIRST_WORKDAY_OF_QUARTER	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. It matches the first workday of each quarter.
CAL_FIRST_WORKWEEK_OF_QUARTER	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. It matches the workdays of the first week of each quarter.
CAL_HOLIDAY	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. It matches the days defined in the HOLIDAY definition.
CAL_LAST_WORKDAY_OF_MONTH	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. It matches the last workday of each month.
CAL_LAST_WORKDAY_OF_QUARTER	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup. It matches the last workday of each quarter.
CAL_ODD_WEEKS	30 Sep 2022 11:46:37	This is a sample calendar definition installed by Setup.

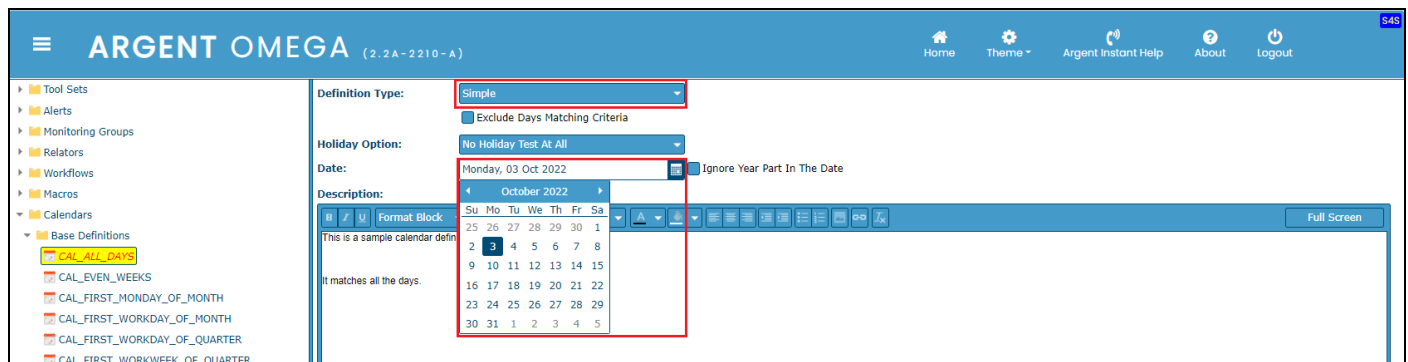
For ease of creating the Calendars and increasing flexibility, eight different types of calendar definition are available in the Base Definitions. They are:

- Simple
- Daily
- Weekly
- Monthly
- Holiday
- Recursive
- Advanced
- All Days



Simple

A Simple definition type can be used to create a schedule for any particular date of a year.



The **“Ignore Year Part in the Date”** option, when checked, will ensure the schedule is valid across all future years.

Daily

The Daily definition type can be used to create a schedule for repetitive tasks that should occur in an interval of days. The start date and the frequency in days can be specified.

The screenshot shows the ARGENT OMEGA (2.2 A - 2210 - A) interface. On the left is a sidebar with a tree view containing categories like Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, and Calendars. Under Calendars, 'Base Definitions' is expanded, and 'CAL_ALL_DAYS' is highlighted. The main panel is titled 'Definition Type: Daily'. It includes a checkbox for 'Exclude Days Matching Criteria' (unchecked), a 'Holiday Option: No Holiday Test At All' dropdown, a 'Day Interval: 1' input field, and a 'Start Date: Monday, 03 Oct 2022' field with a calendar icon. Below these is a 'Description' section with a rich text editor containing the text 'This is a sample calendar definition installed by Setup.' and 'It matches all the days.' A 'Full Screen' button is in the top right of the description area.

In the above definition, the schedule starts on Wednesday, 01 June 2022 and occurs every day thereafter.

Weekly

The Weekly definition type can be used to create a schedule for tasks that should occur on a particular day of a week.

The screenshot shows the ARGENT OMEGA (2.2 A - 2210 - A) interface. The sidebar is the same as the previous screenshot. The main panel is titled 'Definition Type: Weekly'. It includes a checkbox for 'Exclude Days Matching Criteria' (unchecked) and a 'Holiday Option: No Holiday Test At All' dropdown. Below these is a 'Weekdays and Weekends' section with a list of days: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday, each with a checked checkbox. Below this is a 'Description' section with a rich text editor containing the text 'This is a sample calendar definition installed by Setup.' and 'It matches all the days.' A 'Full Screen' button is in the top right of the description area.

In the above screenshot, scheduled task is configured to occur on all days of a week.

Monthly

The Monthly definition type can be used to create a schedule for tasks that should occur on a particular day of a month or on a particular week of a month.

The screenshot shows the ARGENT OMEGA (2.2 A - 2210 - A) interface. The sidebar is the same as the previous screenshots. The main panel is titled 'Definition Type: Monthly'. It includes a checkbox for 'Exclude Days Matching Criteria' (unchecked) and a 'Holiday Option: No Holiday Test At All' dropdown. Below these is a 'Month Day Option' section with two radio buttons: 'Day Of Month' (selected) and 'Week Day Of Month'. To the right of these radio buttons is a grid of checkboxes for each month of the year: January, February, March, April, May, June, July, August, September, October, November, and December, all of which are checked. Below this is a 'Description' section with a rich text editor containing the text 'This is a sample calendar definition installed by Setup.' and 'It matches all the days.' A 'Full Screen' button is in the top right of the description area.

In the above screenshot, the schedule is set for 5th of every month.

In the below screenshot, the schedule is configured for the first Sunday of every month, excluding March.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. On the left, a sidebar lists various tool sets, including 'Calendars' and 'Base Definitions'. The 'Base Definitions' section is expanded, showing several calendar definitions, with 'CAL_ALL_DAYS' highlighted. The main panel displays the configuration for a calendar definition. The 'Definition Type' is set to 'Monthly'. The 'Holiday Option' is set to 'No Holiday Test At All'. The 'Month Day Option' is set to 'Week Day Of Month', with 'The 1st Sunday Of The Month' selected. A table of months is shown, with checkboxes for each month: January, February, March, April, May, June, July, August, September, October, November, and December. The 'Description' field contains the text: 'This is a sample calendar definition installed by Setup.'

Holiday

The Holiday type definition can be used to create a schedule for a task to occur on defined Holidays.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. On the left, a sidebar lists various tool sets, including 'Calendars' and 'Base Definitions'. The 'Base Definitions' section is expanded, showing several calendar definitions, with 'CAL_ALL_DAYS' highlighted. The main panel displays the configuration for a holiday definition. The 'Definition Type' is set to 'Holiday'. The 'Holiday Option' is set to 'No Holiday Test At All'. The 'Description' field contains the text: 'This is a sample calendar definition installed by Setup.'

Recursive

The Recursive type definition can be used to create a schedule that includes one or more of the previously defined schedules, with a depth limit of 10.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. On the left, a sidebar lists various tool sets, including 'Calendars' and 'Base Definitions'. The 'Base Definitions' section is expanded, showing several calendar definitions, with 'CAL_ALL_DAYS' highlighted. The main panel displays the configuration for a recursive calendar definition. The 'Definition Type' is set to 'Recursive'. The 'Holiday Option' is set to 'No Holiday Test At All'. The 'Use Following Calendar Definitions:' section lists several calendar definitions: CAL_EVEN_WEEKS, CAL_FIRST_MONDAY_OF_MONTH, CAL_FIRST_WORKDAY_OF_MONTH, CAL_FIRST_WORKDAY_OF_QUARTER, CAL_FIRST_WORKWEEK_OF_QUARTER, CAL_HOLIDAY, CAL_LAST_WORKDAY_OF_MONTH, CAL_LAST_WORKDAY_OF_QUARTER, CAL_ODD_WEEKS, and CAL_RUN_DAYS. The 'Description' field contains the text: 'This is a sample calendar definition installed by Setup.'

In the above screenshot, the schedule makes use of four other Calendar definitions defined earlier.

Advanced

The Advanced type definition can be used to create a schedule using PowerShell script.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. On the left is a sidebar with a tree view containing categories like Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, and Calendars. Under Calendars, 'Base Definitions' is expanded, showing several calendar types, with 'CAL_EVEN_WEEKS' selected. The main panel on the right is titled 'Definition Type:' and has a dropdown menu set to 'Advanced'. Below this, there is a checkbox for 'Exclude Days Matching Criteria' which is checked. The 'Holiday Option:' dropdown is set to 'No Holiday Test At All'. A 'PowerShell Script:' text area contains a script for calculating even weeks. At the bottom of the main panel are buttons for Save, Undo, Delete, Copy, Rename, and Test.

Definition Type: **Advanced**

☒ Exclude Days Matching Criteria

Holiday Option: **No Holiday Test At All**

PowerShell Script:

```
1 $ts = $dtVar - (Get-Date -year 2017 -month 12 -day 30)
2
3 $weeks = [System.Math]::Floor($ts.Days / 7)
4
5 if ($weeks % 2 -eq 0) {
6     $false
7 } else {
8     $true
9 }
```

All Days

This type of definition can be used to create a schedule for all days.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. The sidebar is the same as in the previous screenshot, but 'CAL_ALL_DAYS' is now selected under 'Base Definitions'. The main panel shows 'Definition Type:' set to 'All Days'. The 'Exclude Days Matching Criteria' checkbox is checked. The 'Holiday Option:' dropdown is set to 'No Holiday Test At All'. The 'Description:' text area contains the text 'This is a sample calendar definition installed by Setup. It matches all the days.' Below the description is a rich text editor toolbar. At the bottom of the main panel are buttons for Save, Undo, Delete, Copy, Rename, and Test.

Definition Type: **All Days**

☒ Exclude Days Matching Criteria

Holiday Option: **No Holiday Test At All**

Description:

This is a sample calendar definition installed by Setup.

It matches all the days.

Holiday Option

The Calendar definitions can automatically handle holiday definitions using the “**Holiday Option**” available in all types of definitions.

This screenshot is similar to the previous one, but the 'Holiday Option:' dropdown menu is open, showing a list of options. The options are: 'No Holiday Test At All' (which is currently selected), 'Skip Day Completely', 'Use Prior Non-Holiday Day', 'Use Next Non-Holiday Day', 'Use Prior Non-Holiday Weekday', and 'Use Next Non-Holiday Weekday'. The rest of the interface remains the same.

Definition Type: **All Days**

☒ Exclude Days Matching Criteria

Holiday Option: **No Holiday Test At All**

Description:

This is a sample calendar definition installed by Setup.

It matches all the days.

Macros

Macros are a collection of a particular item, such as email addresses (Email Macros) or login names (User Macros).

A macro enables you to define once, in one location, common information that can then be used on dozens or hundreds of other building blocks.

For example, a single email macro can be created that lists all the email addresses of people in the support team. Then, this Email Macro can be specified in dozens or hundreds of Relators; when a new person is added to the support team, then only a single change needs to be made to this single Email Macro.

ARGENT OMEGA (2.2A-2210-A)

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Correction
Notification
Alert Macro
Monitoring Groups
Relators
Workflows
Macros
Calendars
Administration

Macro Definition:

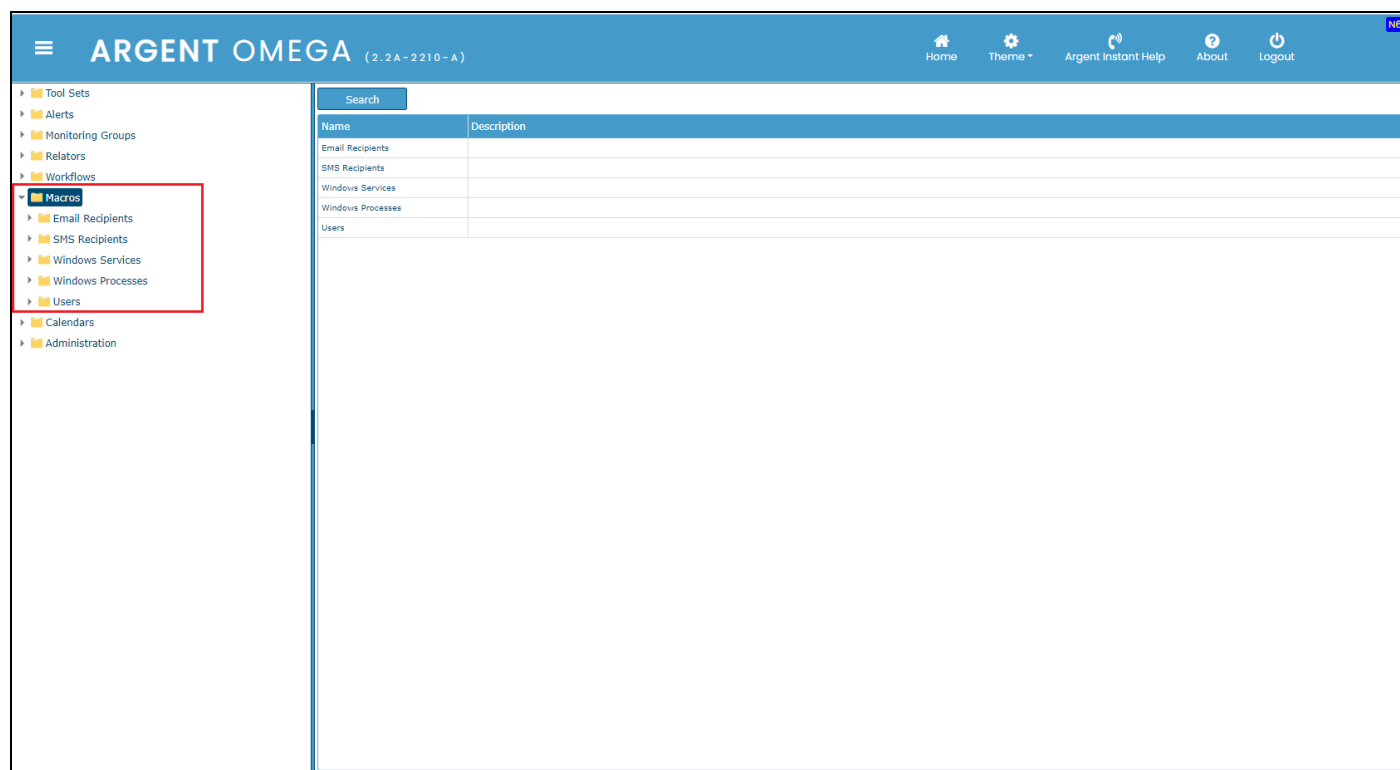
Alert Name	Sleep Before Action	Calendar
MSG_DEMO	Immediately	Not Used
EMAIL_GENERAL	Immediately	Not Used

Description:

This sample Alert Macro provides a convenient way to specify a set of Alerts.
More importantly, Alert Macros allow you to specify the time ranges for each included Alert.

Save Undo Delete Copy Rename Test

If a typical Alert procedure involves an SMS to the help desk team, a page to a group of engineers, and an email to the CIO, you can create a single Alert Macro and use this Alert process at multiple times.



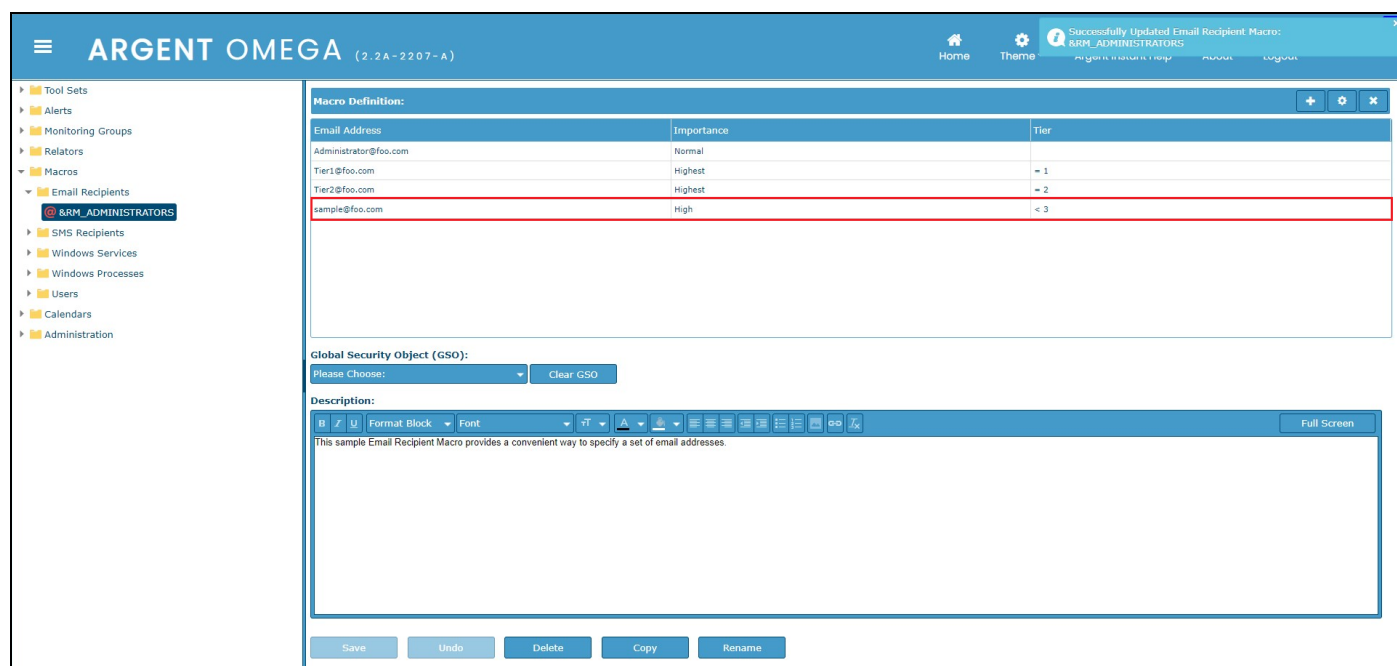
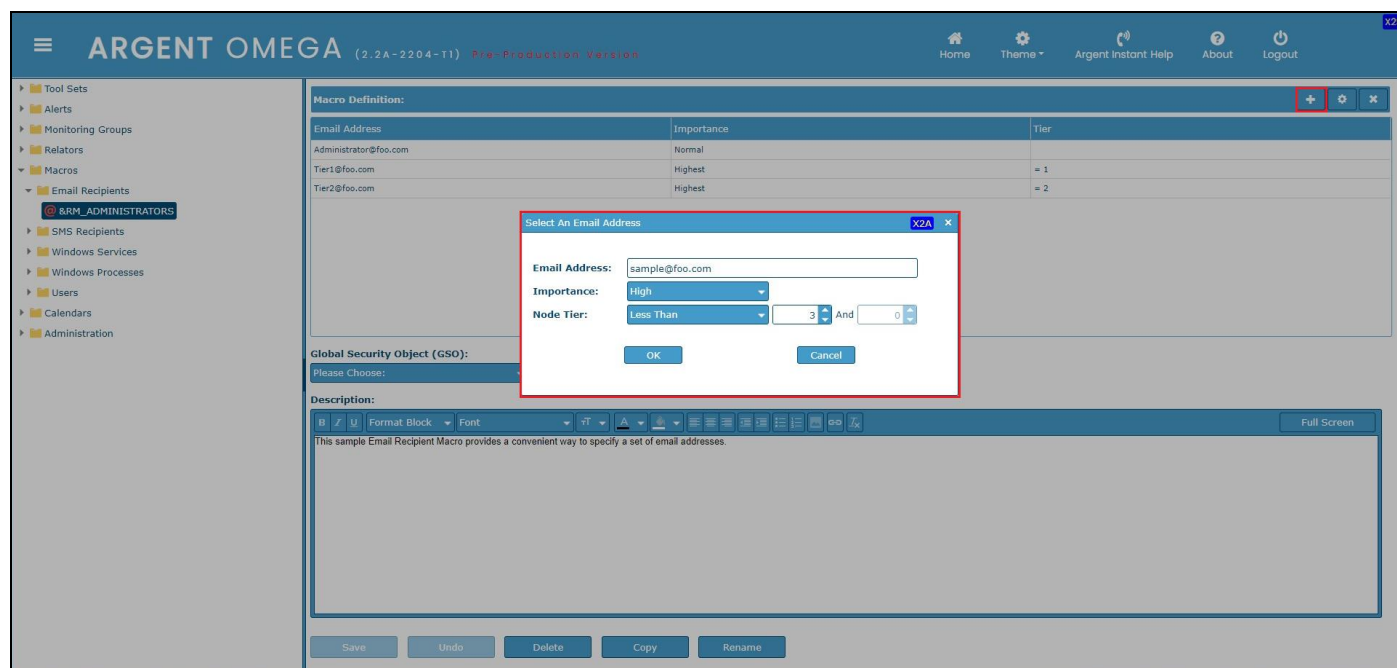
Macros can be used in areas of the product that apply. For instance, you can use a single Email Macro containing 10 email addresses in any Email Alert. So, rather than defining 10 email addresses in the Email Alert definition, you define it once in an Email Macro under a convenient alias. The added benefit is it can be re-used for other Email Alert definitions as needed.

Email Recipient

This Macro provides a convenient way to specify a set of email addresses.

The specifications include the **Email Address**, **Importance**, and **Node Tier**.

The **Node Tier** property can be used in Email Recipient Macros and SMS Recipient Macros to control which email addresses or mobile numbers should be used when an alert is fired for the specific node.

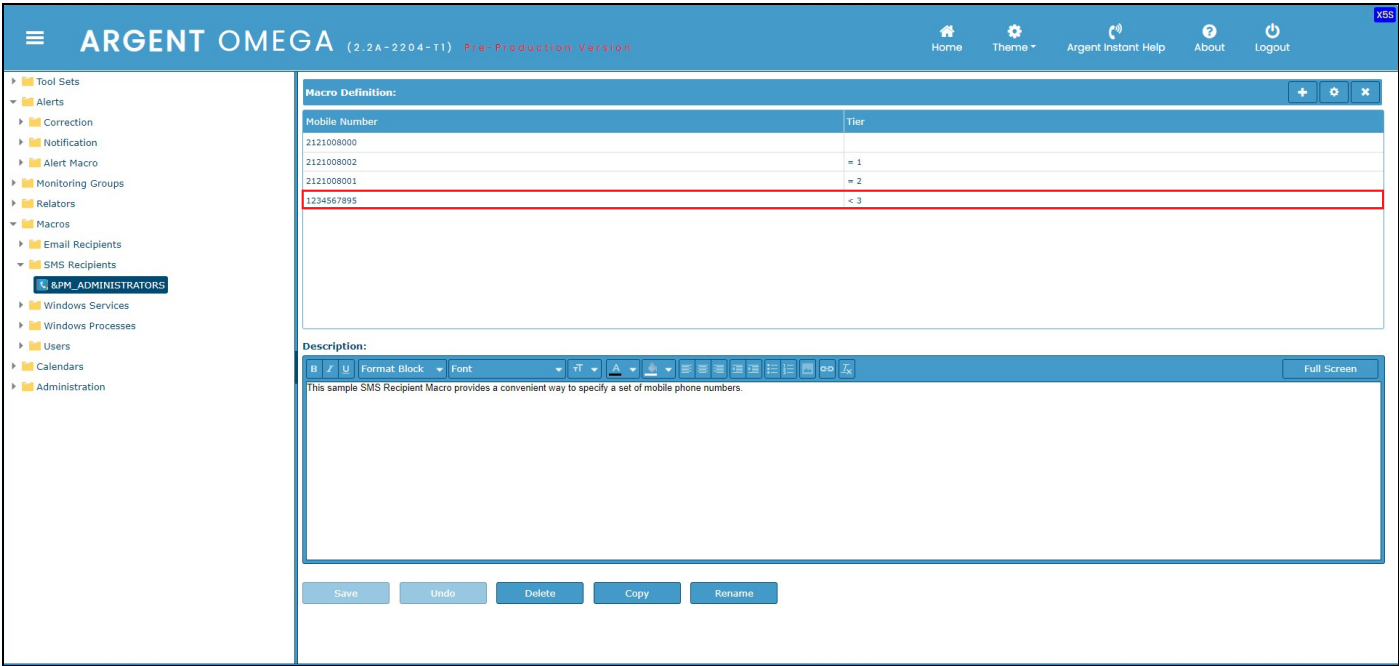
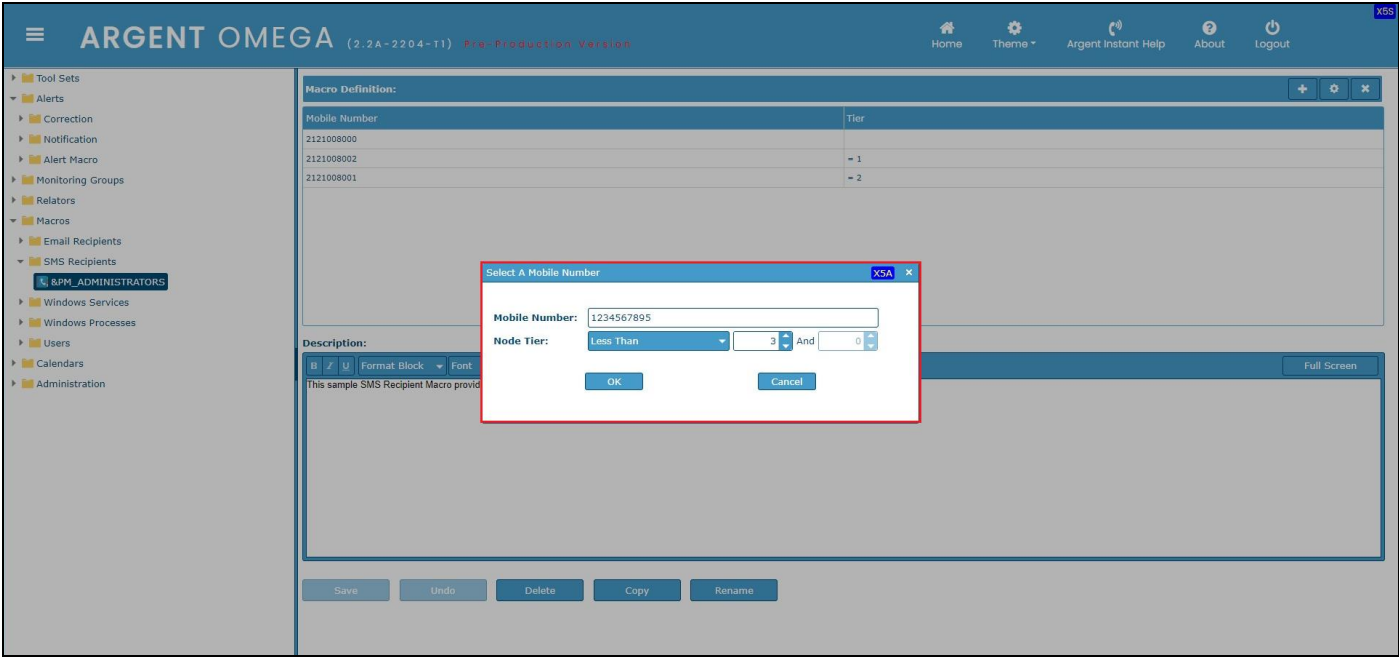


SMS Recipient

This sample SMS Recipient Macro provides a convenient way to specify a set of mobile phone numbers.

The user will enter the **Mobile Number** and **Node Tier**.

The **Node Tier** property can be used in Email Recipient Macros and SMS Recipient Macros to control which email addresses or mobile numbers should be used when an alert is fired for the specific node.



Windows Services

This Macro provides a convenient way to specify a set of Windows services.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar contains a tree view with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Windows Services, Windows Processes, Users, Calendars, and Administration. The 'Windows Services' category is expanded, showing '&SM_IIS_ADMIN_SERVICE' and '&SM_IIS_SERVICES'. The main area displays the 'Macro Definition' window. The 'Display Name' is 'IIS Admin Service' and the 'Service Internal Name' is 'IISADMIN'. A 'Select A Service' dialog box is open, showing a list of services. The 'Remote Machine' is 'DND-MFC-SQL' and 'Execute On' is '{default}'. The list of services includes:

Service Name	Display Name	Status
ADAM_instance1	instance1	Running
ADWS	Active Directory Web Services	Running
AJRouter	AllJoyn Router Service	Stopped
ALG	Application Layer Gateway Service	Stopped
AppHostSvc	Application Host Helper Service	Running
AppIDSvc	Application Identity	Stopped
Appinfo	Application Information	Running
AppMgmt	Application Management	Stopped
AppReadiness	App Readiness	Stopped
AppVClient	Microsoft App-V Client	Stopped

The 'Description' field contains the text: 'This sample Service Macro provides a convenient way to specify a set of services. This particular Service Macro contains the IIS Admin service only.'

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar is the same as the previous screenshot. The main area displays the 'Macro Definition' window. The 'Display Name' is 'IIS Admin Service' and the 'Service Internal Name' is 'IISADMIN'. The 'Application Host Helper Service' is now added to the list of services, with its internal name 'AppHostSvc' highlighted. The 'Description' field contains the text: 'This sample Service Macro provides a convenient way to specify a set of services. This particular Service Macro contains the IIS Admin service only.'

Windows Processes

This Macro provides a convenient way to specify a set of Windows processes.

The screenshot displays the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The top navigation bar includes a hamburger menu, the application name and version, and links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar shows a tree view of tool sets, with 'Windows Processes' selected and '&PG_SAMPLE' highlighted. The main content area is divided into two sections: 'Macro Definition' and 'Description'. The 'Macro Definition' section contains a table with two columns: 'Server Process' and 'Command Line Arguments'. The 'Server Process' column contains the text 'wininit.exe'. The 'Description' section features a rich text editor with a toolbar and a 'Full Screen' button. At the bottom of the main content area, there are five buttons: 'Save', 'Undo', 'Delete', 'Copy', and 'Rename'.

Macro Definition:	
Server Process	Command Line Arguments
wininit.exe	

Description:

Save Undo Delete Copy Rename

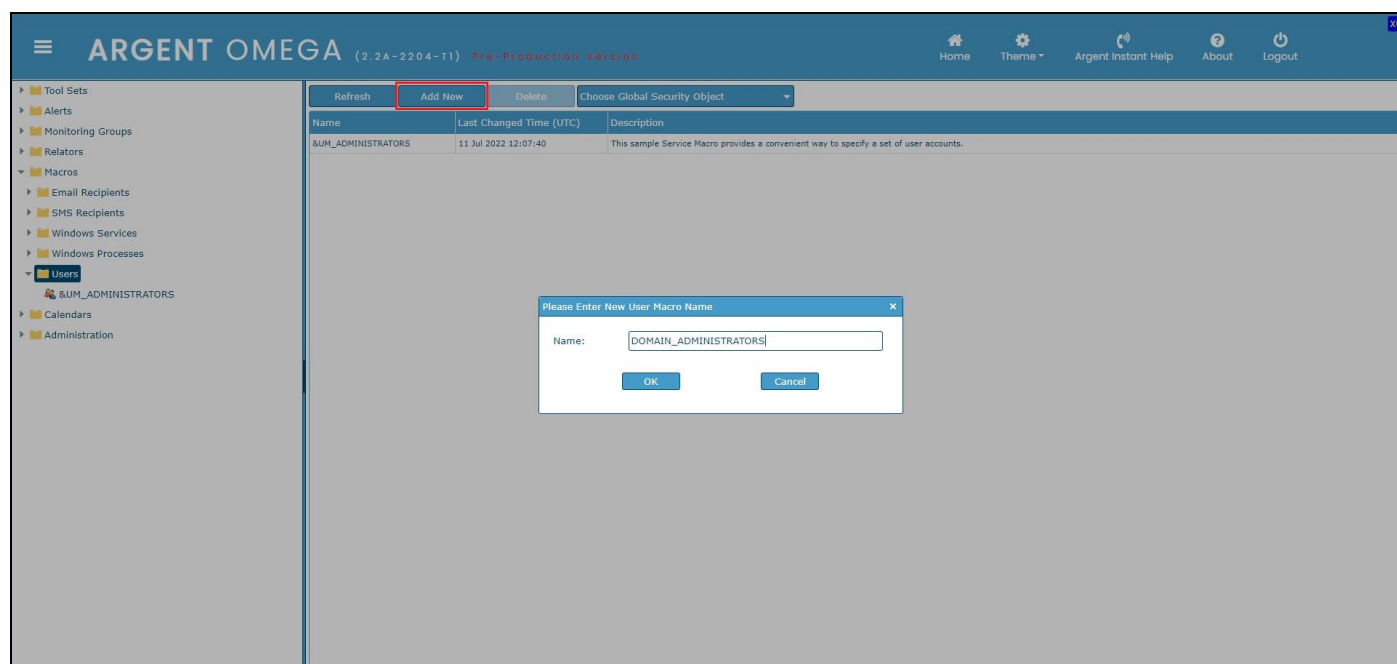
Users

User Macros are a collection of user accounts.

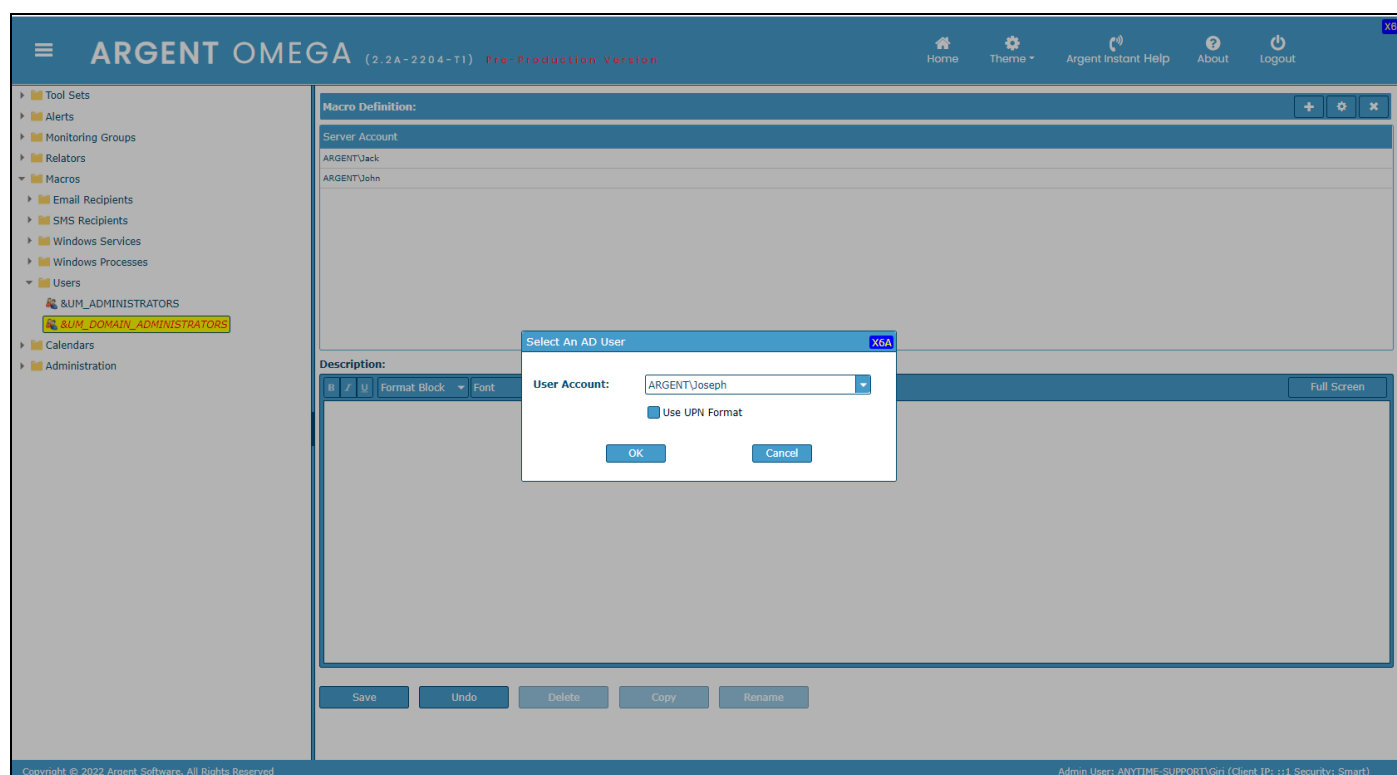
For example, you can use a single User Macro containing 10 user accounts in any Network Message Alert.

So rather than defining 10 user accounts in the Network Message Alert definition, you define it once in a User Macro under a convenient alias. The added benefit is it can be re-used for other Alert definitions as needed.

To define a User Macro, navigate to **Macros or Users** and click **Add New**.



Then define user accounts in the new User Macro.



Then configure the User Macro in required Alerts. For example, to configure User Macro in Network Message Alert, navigate to Alerts\Notification\Network Message\MSG_ADMINISTRATORS as shown below.

The specified message will be sent to the Domain Administrators accounts defined in User Macro UM_DOMAIN ADMINISTRATORS.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. On the left is a navigation tree with categories like Tool Sets, Alerts, Correction, Notification, Email, Event Log, Help Desk, Network Message, System Alarm, SMS, SNMP Trap, Twitter, Alert Macro, Monitoring Groups, Relators, Macros, Email Recipients, SMS Recipients, Windows Services, Windows Processes, Users, Calendars, and Administration. The 'Users' category is expanded, showing '&UM_ADMINISTRATORS' and '&UM_DOMAIN_ADMINISTRATORS'. The main panel is titled 'MSG_ADMINISTRATORS' and contains the following fields:

- Send To:** A text box containing '&UM_DOMAIN_ADMINISTRATORS'.
- Target Machine:** A dropdown menu showing '{local}'.
- Timeout:** A numeric input set to '60' with a unit of 'Seconds'.
- Message:** A text area containing '%AGLowDetail%'.
- Description:** A rich text editor containing the text: 'This sample Network Message Alert is sent to the Domain Administrators group using a User Macro (in this case &UM_DOMAIN_ADMINISTRATORS). The message includes a complete text alert.'

At the bottom of the main panel are buttons for 'Save', 'Undo', 'Delete', 'Copy', 'Rename', and 'Test'.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. On the left is a navigation tree with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Email Recipients, SMS Recipients, Windows Services, Windows Processes, Users, Calendars, and Administration. The 'Users' category is expanded, showing '&UM_ADMINISTRATORS' and '&UM_DOMAIN_ADMINISTRATORS'. The main panel is titled 'Macro Definition' and contains the following fields:

- Server Account:** A text box containing 'Administrator@&local'.
- Global Security Object (GSO):** A dropdown menu showing 'Please Choose:'.
- Description:** A rich text editor containing the text: 'This sample Service Macro provides a convenient way to specify a set of user accounts.'

A modal dialog titled 'Select An AD User' is open, showing 'User Account' as 'ANYTIME-SUPPORT\triv' and a checkbox for 'Use UPN Format'. The dialog has 'OK' and 'Cancel' buttons.

At the bottom of the main panel are buttons for 'Save', 'Undo', 'Delete', 'Copy', and 'Rename'.

The screenshot displays the ARGENT OMEGA web application interface. The top navigation bar includes the application logo, version information (2.2A-2204-T1), and status (Pre-Production Version). It also features links for Home, Theme, Argent Instant Help, About, and Logout. A left sidebar contains a tree view of various tool sets, with '&UM_ADMINISTRATORS' highlighted under the 'Users' category. The main content area shows the 'Macro Definition' window for a macro named 'ANYTIME-SUPPORT!triv'. This window has two sections: 'Macro Definition:' which lists the 'Server Account' as 'Administrator@a.local', and 'Description:', which explains that the sample Service Macro provides a convenient way to specify a set of user accounts. Below the description is a rich text editor toolbar and a large text area containing the explanatory text. At the bottom of the window are buttons for Save, Undo, Delete, Copy, and Rename.

Monitoring Groups

A Monitoring Group is a list of one or more servers or IP addresses.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. The left sidebar contains a tree view of tool sets, with 'Monitoring Groups' highlighted. The main panel displays a table of existing monitoring groups.

Name	Last Changed Time (UTC)	Count	Description
APPLICATION SERVERS	30 Sep 2022 11:46:37	4	
IP	30 Sep 2022 11:46:37	1	
LICENSED	30 Sep 2022 11:46:37	4	
LOCAL	30 Sep 2022 11:46:38	1	
UNIX	30 Sep 2022 11:46:37	6	
WINDOWS	30 Sep 2022 11:46:37	4	

In Argent Omega, Monitoring Groups define the servers and devices to be processed; Monitoring Groups are shared by all Argent Omega Tool Sets. The same Monitoring Group can be used by any number of Relators in Agent Omega.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface with the 'Client/Assigned Generator Detail' dialog box open. The dialog box displays the 'Monitoring Group' as '&MG_DEMO' and lists the 'Assigned Generator' and 'Backup Generators'.

Monitoring Group: &MG_DEMO

Assigned Generator: &MG_DEMO

Backup Generators: &MG_DOMAIN_CONTROLLERS, &MG_EXCHANGE_SERVER, &MG_HPUX, &MG_IIS_SERVER, &MG_IP_RESOURCES, &MG_LICENSED

☐ Use Local Generator If Installed

By not having to specify servers and devices in the actual Relators, and by sharing Monitoring Groups, only the Monitoring Groups need change when a new production server comes online (or an existing server is replaced), rather than having to change hundreds of occurrences of the same server name or device address.

There is no limit to the ways Monitoring Groups can be created -- you can have one Monitoring Group consisting of the servers and devices in the Accounting Department, and another Monitoring Group of those in the Engineering Department.

These same servers and devices can be in different Monitoring Groups may list servers by application - all production Exchange servers in one Monitoring Group, all production Oracle servers in another Monitoring Group, all test Linux machines in another Monitoring Group, and all network printers in another Monitoring Group.

A new group is created using the **'New Group'** button or **'Create Group'** on the right-click menu option.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. The left sidebar contains a tree view of the application's structure, including Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, Calendars, Administration, and various settings. The main content area displays a table of Monitoring Groups with columns for Name, Last Changed Time (UTC), Count, and Description. The 'New Group' button is highlighted in the top toolbar, and the 'Create Group' option is highlighted in the right-click menu.

Name	Last Changed Time (UTC)	Count	Description
APPLICATION SERVERS	30 Sep 2022 11:46:37	4	
IP	30 Sep 2022 11:46:37	1	
LICENSED	30 Sep 2022 11:46:37	4	
LOCAL	30 Sep 2022 11:46:38	1	
UNIX	30 Sep 2022 11:46:37	6	
WINDOWS	30 Sep 2022 11:46:37	4	

Select any group and a new monitoring group is created using **Add New** button or right-click menu option.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. On the left is a navigation tree with categories like Tool Sets, Alerts, Monitoring Groups, APPLICATION SERVERS, IP, LICENSED, LOCAL, UNIX, WINDOWS, Relators, Workflows, Macros, Calendars, Administration, License (Admin Only), Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, Argent SIEM-Complete, Security, Network Scan, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The main panel displays a table of Monitoring Groups with columns: Name, Last Changed Time (UTC), and Description. The table contains one entry: &MG_DEMO, 30 Sep 2022 11:46:38, This is a sample monitoring group definition installed by Setup. Above the table are buttons for Refresh, Add New (highlighted with a red box), and Delete. A context menu is open over the table, showing options: Refresh, Add New (highlighted with a red box), Delete, Rename Group, Delete Group, Export, and Print List.

Name	Last Changed Time (UTC)	Description
&MG_DEMO	30 Sep 2022 11:46:38	This is a sample monitoring group definition installed by Setup

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. On the left is a navigation tree with categories like Tool Sets, Alerts, Monitoring Groups, APPLICATION SERVERS, IP, LICENSED, LOCAL, UNIX, WINDOWS, Relators, Workflows, Macros, Calendars, Administration, License (Admin Only), Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, Argent SIEM-Complete, Security, Network Scan, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The main panel displays a table of Monitoring Groups with columns: Name, Last Changed Time (UTC), and Description. The table contains one entry: &MG_DEMO, 30 Sep 2022 11:46:38, This is a sample monitoring group definition installed by Setup. Above the table are buttons for Refresh, Add New, and Delete. A dialog box titled "Please Enter New Monitoring Groups Name" is open, showing a text input field with "TEST" and buttons for OK and Cancel.

Name	Last Changed Time (UTC)	Description
&MG_DEMO	30 Sep 2022 11:46:38	This is a sample monitoring group definition installed by Setup

Select group type as Simple or Use SQL Query or Recursive.

In **Simple** mode, you need to select the server or device from the list by checking the box of the corresponding server.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. The 'Group Type' section has three radio buttons: 'Simple' (selected), 'Use SQL Query', and 'Recursive'. The 'Included Server Or Devices' table lists the following machines:

Selected	Machine	Type	Alias
<input type="checkbox"/>	10.0.0.11	IP Device	AP6
<input type="checkbox"/>	10.0.0.22	IP Device	AP2
<input type="checkbox"/>	10.0.0.23	IP Device	AP5
<input type="checkbox"/>	10.0.0.24	IP Device	AP1
<input type="checkbox"/>	10.0.0.25	IP Device	AP4
<input type="checkbox"/>	10.0.0.38	IP Device	AP3
<input type="checkbox"/>	192.168.108.121	Windows Server	
<input type="checkbox"/>	192.168.108.97	Linux/UNIX	
<input type="checkbox"/>	192.168.110.65	Windows Workstation	
<input type="checkbox"/>	192.168.111.1	IP Device	
<input type="checkbox"/>	192.168.111.18	IP Device	

The 'Description' field is empty. The 'Test Monitoring Group' button is visible in the top right.

In **Use SQL Query** mode, you can select the servers and devices by specifying a SQL Query.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) interface. The 'Group Type' section has three radio buttons: 'Simple', 'Use SQL Query' (selected), and 'Recursive'. The 'SQL Query' field contains the following query:

```
SELECT NAME FROM ARGSOFT_CMDBX_ENTITY  
WHERE ENTITY_TYPE='windows'  
ORDER BY NAME
```

The 'Exclude Nodes' field is empty. The 'Description' field is empty. The 'Test Monitoring Group' button is visible in the top right.

Recursive mode allows you to select and use other Monitoring Groups recursively.

ARGENT OMEGA (2.2A-2210-A)

Home Theme Argent Instant Help About Logout

Successfully Updated Monitoring Groups: &MG_TEST

Tool Sets Alerts Monitoring Groups APPLICATION SERVERS IP LICENSED LOCAL &MG_DEMO &MG_TEST UNIX WINDOWS &MG_DOMAIN_CONTROLLERS &MG_WINDOWS &MG_WINDOWS_SERVERS &MG_WINDOWS_WORKSTATIONS Relators Workflows Macros Calendars Administration License (Admin Only) Generator Settings Argent Omega Argent Alert Mechanism Argent Forecaster Argent SIEM-Complete Security Network Scan Event Logs SuperMaps Topology Maps Locations Contacts

Group Type

- Simple
- Use SQL Query
- Recursive**

Test Monitoring Group

Included Server Or Devices: Search Select All Clear Toggle

Selected	Machine	Type	Alias
<input type="checkbox"/>	&MG_AIX	Monitoring Group	
<input checked="" type="checkbox"/>	&MG_DEMO	Monitoring Group	
<input type="checkbox"/>	&MG_DOMAIN_CONTROLLERS	Monitoring Group	
<input type="checkbox"/>	&MG_EXCHANGE_SERVER	Monitoring Group	
<input type="checkbox"/>	&MG_HPUX	Monitoring Group	
<input type="checkbox"/>	&MG_IIS_SERVER	Monitoring Group	
<input type="checkbox"/>	&MG_IP_RESOURCES	Monitoring Group	
<input type="checkbox"/>	&MG_LICENSED	Monitoring Group	
<input type="checkbox"/>	&MG_LICENSED_IP_RESOURCES	Monitoring Group	
<input type="checkbox"/>	&MG_LICENSED_LINUX	Monitoring Group	
<input type="checkbox"/>	&MG_LICENSED_WINDOWS	Monitoring Group	

Exclude Nodes: (Separated By Commas)

Description: Full Screen

Save Undo Delete Copy Rename

Administration

The Administration section is where authorized Administrators can centrally configure many of the one-time, critical aspects of Argent Omega.

This includes configuring Primary or Secondary or Offload Generators, licensing, configuring Argent Alert Mechanism, configuring security components, etc. The administration section configures the following components:

The screenshot displays the Argent Omega Administration interface. The top navigation bar includes the 'ARGENT OMEGA' logo, version '2.2A-2210-A', and links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar lists various configuration categories, with 'Administration' highlighted in a red box. The main content area shows the 'Test Monitoring Group' configuration page. It includes a 'Group Type' section with radio buttons for Simple, Use SQL Query, and Recursive. Below this is a table of 'Included Server Or Devices' with columns for Selected, Machine, Type, and Alias. The table lists several monitoring groups, all of which are selected. At the bottom, there is an 'Exclude Nodes' field, a 'Description' text area with a rich text editor toolbar, and a row of action buttons: Save, Undo, Delete, Copy, and Rename.

Administration

- Tool Sets
- Alerts
- Monitoring Groups
- Relators
- Workflows
- Macros
- Calendars
- Administration**
 - License (Admin Only)
 - Generator Settings
 - Security
 - Network Scan
 - Event Logs
 - SuperMaps
 - Topology Maps
 - Locations
 - Contacts
 - Argent Reporter
 - Tag
 - Knowledge Base
 - Total Support Interface

Group Type

☐ Simple

☐ Use SQL Query

☒ Recursive

Included Server Or Devices: Search Select All Clear Toggle

Selected	Machine	Type	Alias
<input type="checkbox"/>	\$MSG_AIX	Monitoring Group	
<input checked="" type="checkbox"/>	\$MSG_DEMO	Monitoring Group	
<input type="checkbox"/>	\$MSG_DOMAIN_CONTROLLERS	Monitoring Group	
<input type="checkbox"/>	\$MSG_EXCHANGE_SERVER	Monitoring Group	
<input type="checkbox"/>	\$MSG_HPUX	Monitoring Group	
<input type="checkbox"/>	\$MSG_IIS_SERVER	Monitoring Group	
<input type="checkbox"/>	\$MSG_IP_RESOURCES	Monitoring Group	
<input type="checkbox"/>	\$MSG_LICENSED	Monitoring Group	
<input type="checkbox"/>	\$MSG_LICENSED_IP_RESOURCES	Monitoring Group	
<input type="checkbox"/>	\$MSG_LICENSED_LINUX	Monitoring Group	
<input type="checkbox"/>	\$MSG_LICENSED_WINDOWS	Monitoring Group	

Exclude Nodes: (Separated By Commas)

Description:

Full Screen

Save Undo Delete Copy Rename

Generator Settings

The Generator Settings screen selects the configuration settings of the **Argent Omega Primary or Secondary or Offload Generator, Argent Alert Mechanism, Argent Forecaster, Argent SIEM-Complete and License**.

(To learn more about Argent Omega terms please see Argent KBI https://Help.Argent.com/#KBI_312003)

Generator Configuration:

ARGENT OMEGA (3.2A-3304-11) 32-bit/64-bit/ARM/Android/IOS/Windows

Send Internal Events To Email Address: testargent@gmail.com

Shared Task Executor Process Pool Size: 10

Max Days To Automatically Resolve Events: 7

Keep Task Execution Info For Days: 60

Prevent Firing The Same Internal Event Within Interval: 60

Delay Firing Internal Event: 5

Max Allowed Lapse For Active Generator: 15

Auto Logout: NYC

Default Location: Please Choose

Administrative Protection Password: *****

Take Automatic Backup: 01:00:00

Recycle Service: 01:00:00

Smart Security Mode: [X]

Allow Domain Login Account: [X]

Use Selected Windows Groups For Security: [X]

Windows Groups: Access Control Assistance Operators, Account Operators, Administrators, Allowed RODC Password Replication Group, Backup Operators, Cert Publishers, Certificate Service DCOM Access, Cloneable Domain Controllers, Compliance Management, Cryptographic Operators, Delegated Setup, Denied RODC Password Replication Group, Discovery Management

User	Authentication Protocol	Encryption Algorithm
------	-------------------------	----------------------

- **Send Internal Events to Email Address**

Specify the email address for receiving alerts on internal events of Argent Omega, Argent Alert Mechanism, Argent Forecaster, and Argent SIEM generator.

- **Shared Task Executor Process Pool Size**

Set the pool size to execute the shared task.

- **Max Days to Automatically Resolve Events**

Specify the maximum number of days to resolve events automatically.

- **Keep Task Execution Info For Days**

Number of days to keep the executed task information. There is an option to truncate task execution daily.

- **Delay Firing Internal Event**
Specify the interval for firing internal events.
- **Prevent Firing the Same Internal Event Within Interval**
Specify the number of minutes to prevent firing the same internal event within the interval specified in Delay Firing Internal Event.
- **Max Allowed Lapse For Active Generator**
Specify the maximum allowed time lapse minutes to consider the Generator as Active.
- **Auto Logoff Minutes**
Specify the number of inactive minutes to auto logoff Argent Omega.
- **Miraki API Key**
API key to monitor Cisco Meraki devices.
- **Default Location**
Specify the default location for Argent Omega.
- **Default Contact**
Specify the default contact for Argent Omega.
- **Administrative Protection Password**
Protection password for Administrator level operations. Default password is “Argent Omega.”
- **Action Alert Test Password**
Specify the password for alert testing.
- **Take Automatic Backup**
Check this option and specify time and calendar to backup Argent Omega automatically.
- **Recycle Service**
Check this option and specify time and calendar to recycle Argent Omega service.
- **Smart Security Mode**
This option is checked by default as Argent Omega uses Smart Security Mode by default. Uncheck this option to use Advanced Mode security.

- **Use Selected Windows Groups For Security**

Check this option to use selected Windows Groups in Argent Omega Security. Select groups from “Windows Groups” combo box. If this option is unchecked, all predefined Windows Groups are used in Argent Omega Security.

- **Windows Groups**

If “Use Selected Windows Groups For Security” option is checked, select the groups from Windows Groups combo box.

Argent Alert Mechanism Configuration

This is where the Argent Alert Mechanism is configured. This section also provides the facility to configure Email and SMS Generators to fire Email and SMS alerts respectively.

The screenshot shows the ARGENT OMEGA (2.2A-2204-11) configuration interface. The left sidebar lists various tool sets, with 'Argent Alert Mechanism' selected under 'Generator Settings'. The main panel displays configuration options for the alert mechanism, including Google API Key, event retention periods, pending event limits, and message forwarding settings.

Configuration Field	Value
Google API Key:	AIzaSyAPog9o98_9oo8zncitlyZgR3qpFaiNybl
Days To Keep Answered/Resolved Events:	7
Days To Keep Unanswered Events:	30
Days To Keep Archived Events:	100
Save Archived Events To Database:	<input checked="" type="checkbox"/>
Maximum Pending Events To Fire Alerts:	14,000 (Global)
Maximum Pending Events To Fire Alerts Per Hour:	500 (Global)
Maximum Pending Events To Process:	30 (Same Node, Rule and Relator from One Product)
Forward SMS Messages To Generator:	
Forward Email Messages To Generator:	
Default Location:	NYC
Default Contact:	Please Choose:

Buttons at the bottom: Save, Undo, Service Log.

- **Google API Key**
Google API key required for using the **optional** Google Maps.
- **Days to Keep Answered Or Resolved Events**
Specify number of days to keep answered or resolved events.
- **Days to Keep Unanswered Events**
Specify number of days to keep unanswered events.
- **Days to Keep Archived Events**
Specify number of days to keep archived events. There is an option to save events to database.
- **Maximum Pending Events To Fire Alerts**
Specify the maximum number of pending events to fire alerts.
- **Maximum Pending Events To Fire Alerts Per Hour**
Specify the maximum number of pending events to fire alerts per hour.
- **Maximum Pending Events To Process**
Specify the maximum number of pending events to process for the same Node, Rule, and Relator from One Product.
- **Forward SMS Messages To Generator**
Generator name to forward SMS Messages.

- **Forward Email Messages To Generator**

Generator Name to forward Email Messages.

- **Default Location**

Specify the default location for Argent Alert Mechanism.

- **Default Contact**

Specify the default contact for Argent Alert Mechanism.

Configure SMS Generator

SMS Generator sends SMS Alerts. SMS Generator uses any of the following communication method to send SMS Alerts:

1. Using GSM Modem
2. Using Twilio API
3. Using SMS gateway of cell service provider

ARGENT OMEGA (2.2A-2204-11) Pre-Production Version

Home Theme Argent Instant Help About Logout

Tool Sets

- Alerts
- Monitoring Groups
- Relators
- Macros
- Calendars
- Administration
 - License (Admin Only)
 - Generator Settings
 - Argent Omega
 - Argent Alert Mechanism
 - SMS Generator**
 - Email Generator
 - Escalation
 - Delayed Alerts
 - Archived Events
 - Argent Forecaster
 - Argent SIEM-Complete
 - Security
 - Network Scan
 - Event Logs
 - SuperMaps
 - Topology Maps
 - Locations
 - Contacts
 - Argent Reporter
 - Tag
 - Knowledge Base
 - Total Support Interface

GSM Modem Configuration

COM Port:

Baud Rate:

Data Bits:

Parity:

Stop Bits:

Pin:

SMSC:

Memory Type:

Twilio API

SID:

Auth Token:

Registered Mobile Number:

☐ Attempt To Send Message Using Twilio API First

Alternative Email Gateway

Email Gateway: ...

Save Undo View Log Send Test Message

GSM Modem Configuration Settings

COM Port:	Serial port or the virtual serial port of the computer to which the GSM Modem is connected.
Baud Rate:	Maximum port speed of modem.
Data Bits:	Communication Data Bits size between GSM Modem and the computer.
Parity:	Type of parity check for communication between GSM Modem and the computer.
Stop Bit:	Communication Stop Bits size between GSM Modem and the computer.
Pin:	Specifies the PIN (Personal Identity Number) for activating the services in the GSM Modem
SMSC:	SMSC address of SIM card.
Memory Type:	Specify the message storage area.

Twilio API Settings

SID:	Security Identifier provided by Twilio.
Auth Token:	Authentication Token provided by Twilio.
Registered Mobile Number:	Mobile number registered in Twilio.

Email Gateway Settings

Email Gateway:	Specify the SMS gateway or you can select the SMS gateway of a specific cell service provider.
-----------------------	--

Configure Email Generator

The following three services or protocols can be configured in Email Generator to send email Alerts in Argent Omega:

- Exchange Web Service
- MAPI Protocol
- SMTP Protocol

The following services can be configured to check incoming emails:

- POP
- IMAP

Email incoming services are required to check email server for auto-answering messages in particular intervals.

Exchange Web services (EWS) uses Microsoft Exchange Web Services Managed API to send Alert email messages. Specify the following properties to send emails using EWS:

- Exchange Account
- Azure Application ID
- Azure Tenant ID
- Client Secret
- Certificate Thumbprint
- Exchange URL

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The sidebar on the left contains a navigation menu with categories like Relators, Alerts, Calendars, Macros, Monitoring Groups, Administration, Generator Settings, and various tools. The main panel displays the 'Email Configuration' section with four tabs: Exchange Web Service, MAPI Protocol, SMTP Mail Service, and POP/IMAP Service. The 'Exchange Web Service' tab is active, showing fields for Exchange Account, Azure Application ID, Azure Tenant ID, Client Secret, Certificate Thumbprint, Exchange URL, Reply-to Address, Reply-to Name, and Read Mailbox. Buttons for Save, Undo, View Log, and Test Email are at the bottom.

Specify the following properties to send emails using MAPI:

- Profile Name
- Password

≡

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Home

Theme ▾

Argent It

Argent Omega Tool Sets

Relators

Alerts

Calendars

Macros

Monitoring Groups

Administration

Generator Settings

Argent Omega

Argent Alert Mechanism

SMS Generator

Email Generator

Escalation

Email Configuration

Exchange Web ServiceMAPI ProtocolSMTP Mail ServicePOP/IMAP Service

Profile Name:

...

Reset

Password:

Read Profile:

Not Used

...

Save

Undo

View Log

Test Email

Specify the following properties to send emails using SMTP service:

- SMTP Server
- SMTP Port
- SSL Mode
- Logon User
- Password

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar contains a navigation menu with categories like Argent Omega Tool Sets, Relators, Alerts, Calendars, Macros, Monitoring Groups, and Administration. Under Administration, there are sub-items for Generator Settings, Argent Omega, Argent Alert Mechanism, SMS Generator, Email Generator (highlighted), Escalation, Delayed Alerts, Archived Events, Argent Forecaster, Argent SIEM-Complete, and License. The main content area is titled 'Email Configuration' and features four tabs: Exchange Web Service, MAPI Protocol, SMTP Mail Service (selected and highlighted with a red box), and POP/IMAP Service. The SMTP Mail Service tab contains the following fields: SMTP Server (smtp.gmail.com), SMTP Port (465), SSL Mode (Automatic), Logon User (redacted), Password (masked with dots), Sender Alternative Address, Sender Name, Reply-to Address, and Reply-to Name. A 'Reset' button is located next to the SMTP Server field. At the bottom of the configuration area are buttons for Save, Undo, View Log, and Test Email.

Specify the following properties to send emails using POP/IMAP service:

- Mail Host
- Service Port
- SSL Mode
- Logon User
- Password

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar is identical to the previous screenshot, with the 'Email Generator' item highlighted. The main content area is titled 'Email Configuration' and features the same four tabs. The POP/IMAP Service tab is now selected and highlighted with a red box. This tab contains the following fields: Mail Service Type (IMAP), Mail Host, Service Port (0), SSL Mode (Please Choose:), Logon User, Password, and Mailbox. A 'Reset' button is located next to the Mail Service Type field. At the bottom of the configuration area are buttons for Save, Undo, View Log, and Test Email.

Argent Forecaster Configuration:

The screenshot shows the Argent Omega configuration interface. The top header bar includes the 'ARGENT OMEGA' logo, version information '(2.2A-2204-T1) Pre-Production Version', and navigation links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar contains a tree view of configuration categories, with 'Argent Forecaster' highlighted. The main panel displays the configuration settings for the 'Argent Forecaster'. The settings are organized into a table with columns for the configuration name and its value. The values are displayed in a dropdown menu for the 'Default Data Store' and numeric input fields with up/down arrows for the other parameters. The parameters are: 'Default Data Store' (DS_DEMO), 'SQL BCP Batch Size' (5,000), 'SQL BCP Accumulation Time (Seconds)' (30), 'SQL Update Batch Size' (100), and 'SQL BCP Timeout (Seconds)' (120). At the bottom of the configuration panel, there are three buttons: 'Save', 'Undo', and 'Service Log'.

Configuration Name	Value
Default Data Store:	DS_DEMO
SQL BCP Batch Size:	5,000
SQL BCP Accumulation Time (Seconds):	30
SQL Update Batch Size:	100
SQL BCP Timeout (Seconds):	120

- **Default Data Store**

Specify the default data store for Argent Forecaster to store Performance data.

- **SQL BCP Batch Size**

Specify the SQL bulk copy batch size.

- **SQL BCP Accumulation Time (Seconds)**

Specify the SQL bulk copy accumulation time in seconds.

- **SQL Update Batch Size**

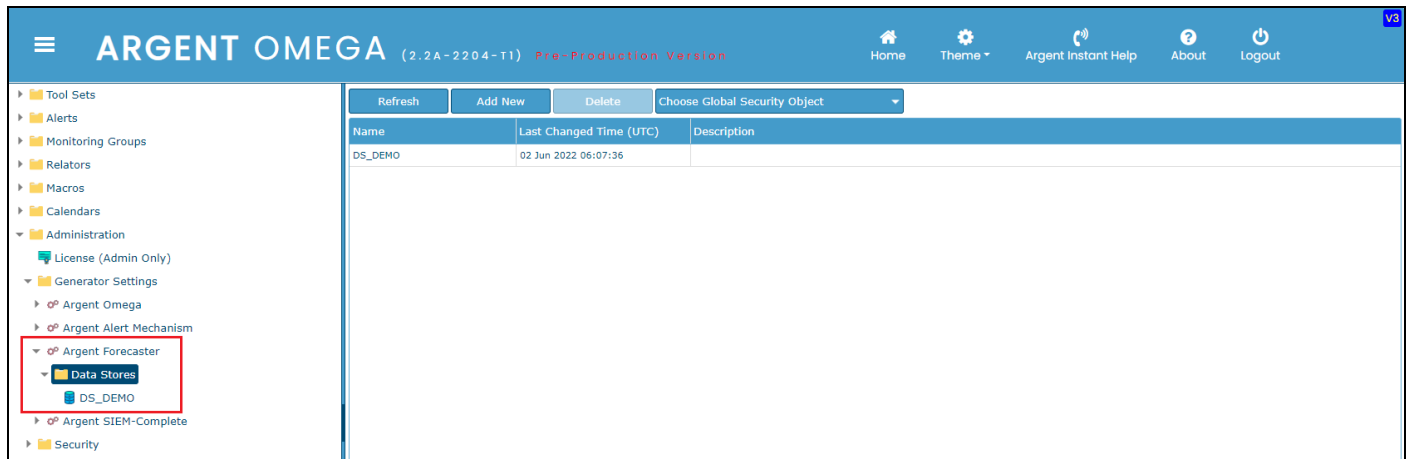
Specify the SQL update batch size.

- **SQL BCP Timeout (Seconds)**

Specify the SQL bulk copy timeout.

Manage Data Stores

Data Stores defines the SQL Server database details to store Performance metrics retrieved by Argent Omega Rules. Users can create and manage Data Stores in Argent Forecaster section.



The screenshot displays the Argent Omega web application interface. The top navigation bar is blue and contains the logo, version information (2.2A-2204-T1), and a "Pre-Production Version" label. It also includes links for Home, Theme, Argent Instant Help, About, and Logout. The sidebar menu on the left lists various sections, with "Argent Forecaster" expanded to show "Data Stores" and "DS_DEMO". The main content area features a table with columns for Name, Last Changed Time (UTC), and Description. The table contains one entry: DS_DEMO, with a last changed time of 02 Jun 2022 06:07:36.

Name	Last Changed Time (UTC)	Description
DS_DEMO	02 Jun 2022 06:07:36	

To create a Data Store, click **Add New** context menu option or **Add New** button and specify a name for the new Data Store.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar lists various tool sets and data stores, with 'DS_MS_365' selected. The main panel contains configuration fields for SQL Server, Database, SQL Schema, Sharding, Save Raw Data, and Raw Data Retaining Days. Below these is a table for 'Argent Predictor Data Aggregation' and a 'Global Security Object (GSO)' section.

SQL Server: {default} **Test Connection**

Database: {default} **Refresh**

☒ Use Trusted Connection

SQL Schema: {default}

Sharding: 1 **Day**

☒ Do Not Use Sharding

Save Raw Data: None

Raw Data Retaining Days: 30

☒ Do Not Purge Raw Data

Argent Predictor Data Aggregation:

Interval	Unit	Retaining Policy
No data to display		

Global Security Object (GSO):

Please Choose: **Clear GSO**

Description:

Full Screen

Specify the **SQL Server** and **Database**. The Performance data will be stored in the specified SQL database when you configure this Data Store in Tool Sets.

Specify **Logon** and **Password** if trusted connection is not used.

Use **Test Connection** button to test the SQL Server connectivity using the specified credentials.

Specify **SQL Schema** to override the default Schema.

Uncheck **Do Not Use Sharding** option to use database sharding. Sharding improves performance. Specify sharding criteria in **Sharding** field. Each shard is a separate table in Argent Omega database.

Select the method of keeping raw data from **Save Raw Data** combo box. It can be "None" for not keeping raw data or it can be either "SQL Database" or "File System" to store the raw data in database table or file system respectively.

Uncheck **Do Not Purge Raw Data** option to purge raw data after the days specified in **Raw Data Retaining Days** field.

Define **Argent Predictor Data Aggregation**. Data Store Allow aggregates Predictor Data by minute, hour and day. It is possible to define multiple aggregation definitions. Users specify the interval and aggregated data retaining days in each definition. Aggregated result data of each definition will be stored in a separate database table. Uncheck **Do Not Purge Shardings** option to delete older aggregated data.

You can configure the newly created Data Store in Argent Omega Rules as shown below. The Performance Data retrieved by the Rule will be stored in configured Data Store.

ARGENT OMEGA (2.2A-2204-T1) *Pre-Production Version*

Home Theme Argent Instant Help About Logout

Tool Sets

- Argent Omega Baseline
 - Service Level Agreement Rules
 - System Down Rules
 - Windows Service Rules
 - Windows Program Rules
 - Windows Performance Rules
 - PowerShell Script Rules
 - WMI Script Rules
 - LINUX Script Rules
 - UNIX Script Rules
- Solaris
- AIX
- HP-UX
- SCO
- Argent Compliance Automator
- Argent Omega Web Defender
- Argent Omega For Microsoft 365
- System Management
- Service Connectivity Rules
 - SC_AZURE_ACTIVE_DIRECTORY**
 - SC_EXCHANGE_ONLINE
 - SC_SHAREPOINT_ONLINE
 - SC_TEAM_AND_SKYPE_BUSINESS
- Exchange Online
- SharePoint Online
- Team Storage Usage Rules
- OneDrive Personal Usage Rules
- Microsoft 365 PowerShell Script Rules

Connect To Office 365 Service

- ☒ Azure Active Directory
- ☐ Exchange Online
- ☐ SharePoint Online
- ☐ Microsoft Team And Skype Business

Notify If Response Time Exceeds One Of Following Limits (Seconds)

- ☐ Acceptable Limit Value:
- ☐ Approaching Limit Value:
- ☒ At Limit Value:
- ☐ Exceeding Limit Value:
- ☐ Major Overload Value:

☒ Save Response Time

☒ Save Performance Data To The Argent Forecaster Using Data Store:

Tag 1:

Tag 2:

Tag 3:

☐ Post Event Even If The Same Event Is Still Outstanding (Unanswered)

☐ Do So Only After Hour Minute Since Event Is Post

☐ Ignore The Same Outstanding Event If Alerts Were Fired More Than Hour Minute Ago

☐ Post Event Only After Rule Is Broken or More Times

Reset Counter

- ☒ After Event Is Post
- ☐ After Event Is Answered
- ☐ After The Actual Condition Is Corrected

Application:

Argent SIEM-Complete Configuration

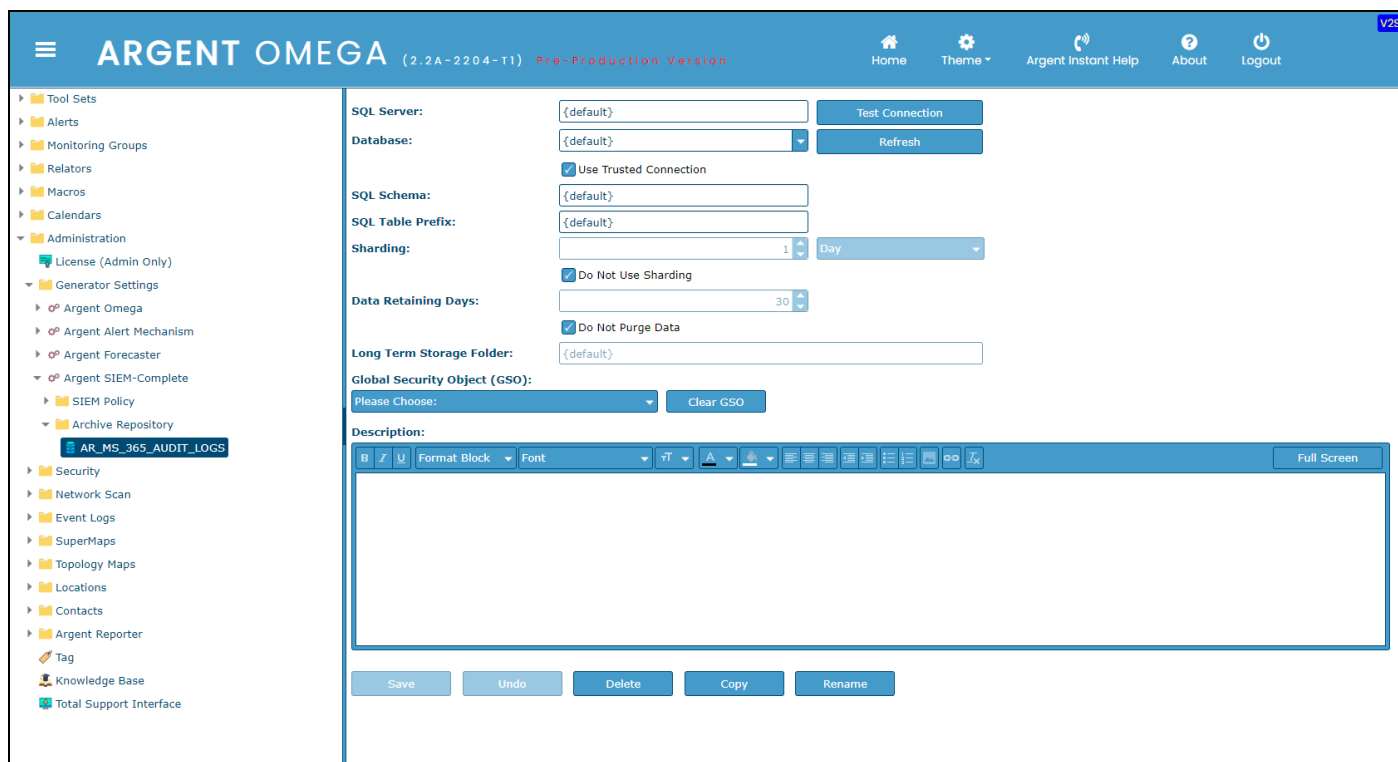
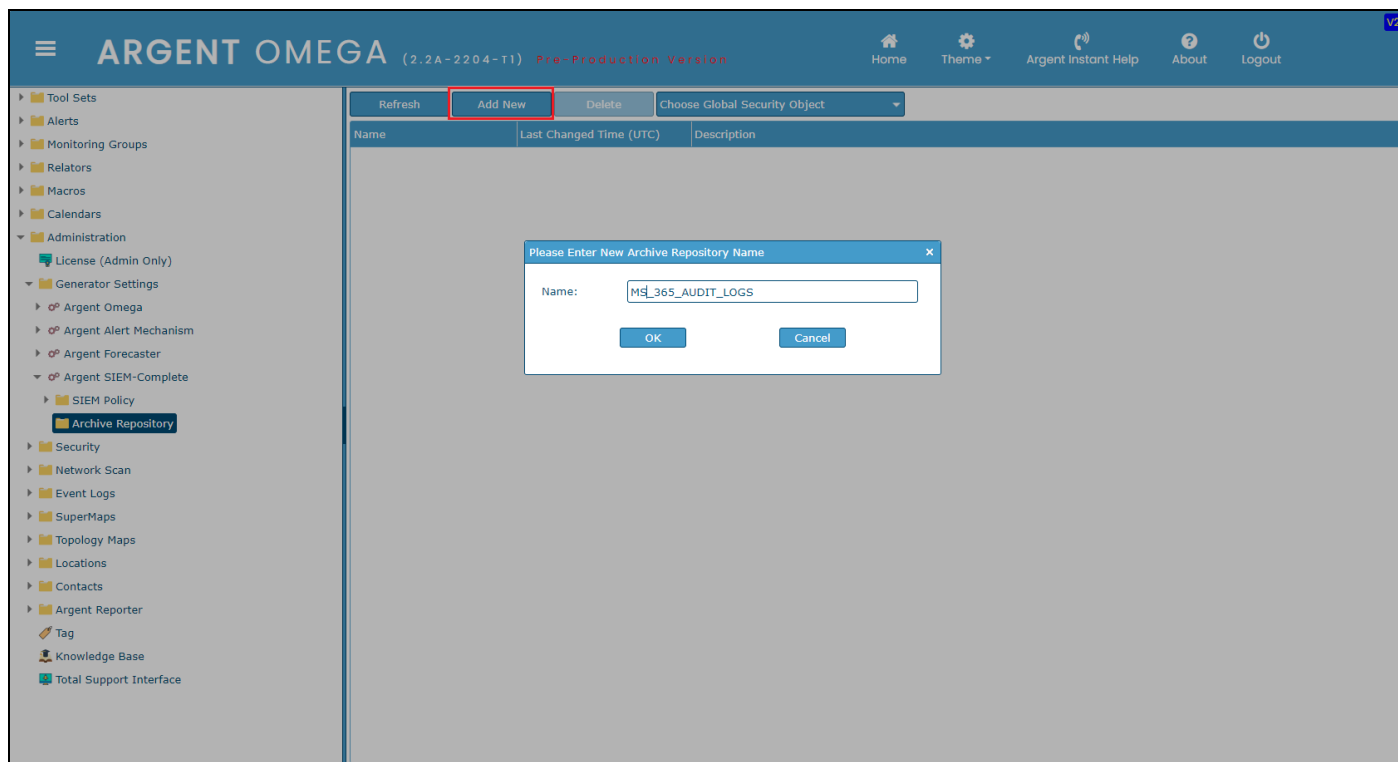
The screenshot shows the Argent Omega configuration interface. The top navigation bar includes a hamburger menu, the title 'ARGENT OMEGA (2.2 A - 2210 - A)', and links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar contains a tree view of configuration categories: Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, Calendars, Administration (with sub-items License (Admin Only), Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, and Argent SIEM-Complete), and Security. The 'Argent SIEM-Complete' item is highlighted with a red box. The main content area displays configuration settings for 'Argent SIEM-Complete': 'Default Archive Repository' is a dropdown menu set to '{default}'; 'SQL BCP Batch Size' is a numeric input set to 5,000; 'SQL BCP Accumulation Time (Seconds)' is a numeric input set to 30; 'SQL Update Batch Size' is a numeric input set to 100; 'SQL BCP Timeout (Seconds)' is a numeric input set to 120; and 'Work-Hours' is a time range input set to '08:00:00 - 16:00:00'. At the bottom of the configuration area are three buttons: 'Save', 'Undo', and 'Service Log'.

- **Default Archive Repository**
Specify default Archive Repository for Argent SIEM.
- **SQL BCP Batch Size**
Specify the SQL bulk copy batch size.
- **SQL BCP Accumulation Time (Seconds)**
Specify the SQL bulk copy accumulation time in seconds.
- **SQL Update Batch Size**
Specify the SQL update batch size.
- **SQL BCP Timeout (Seconds)**
Specify the SQL bulk copy timeout.
- **Work-Hours**
Specify the working hours to operate Argent SIEM.

Manage Archive Repository

Archive Repository defines the SQL Server database details to archive compliance data retrieved by Argent Compliance Automator. It is possible to create and manages Archive Repositories in Argent SIEM-Complete section.

To create an Archive Repository click **Add New** context menu option or **Add New** button and specify a name for new Archive Repository.



Specify the **SQL Server** and **Database**. The compliance data will be stored in the configured SQL database when using this Archive Repository in Argent Compliance Automator Rules and SIEM policies.

Specify **Logon** and **Password** if trusted connection is not used.

Use **Test Connection** button to test the SQL Server connectivity using the specified credentials.

Specify **SQL Schema** to override the default Schema.

Specify **SQL Table Prefix** to use custom table prefixes for tables that stores compliance audit data.

Uncheck **Do Not Use Sharding** option to use database sharding. Sharding improves performance.

Specify sharding criteria in **Sharding** field. Each shard is a separate table in Argent Omega database.

Uncheck **Do Not Purge Data** option to purge the archived data after the days specified in **Data Retaining Days** field.

You can configure the newly created Archive Repository in Argent Compliance Automator Rules. The event data retrieved by the Rule will be stored in configured Archive Repository.

The screenshot displays the ARGENT OMEGA (2.2A-2204-11) configuration interface. The left sidebar shows a tree view of tool sets, with 'MS365_LOG_ARCHIVE_ALL' selected under 'Microsoft 365 Audit Log Rules'. The main panel shows configuration options for event log records, including a dropdown for 'Save To Archive Repository' set to '(default)' and a text field for 'Save Archive Data Only' containing 'AR_MS_365_AUDIT_LOGS'.

License

New license file can be browsed and applied from the License screen. The information regarding the applied license is displayed in the screen.

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) License screen. The interface includes a sidebar menu on the left with the following items: Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, Calendars, Administration, License (Admin Only) (highlighted), Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, Argent SIEM-Complete, Security, Network Scan, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The main area displays the license details for 'ARGENT_OMEGA.LIC'. The license information is as follows:

Field	Value
License File:	ARGENT_OMEGA.LIC
Expiration Date:	Wed, 4 Oct 2023 12:00:00
Licensed Domain:	ANYTIME-SUPPORT
Licensed Server:	AI-2019-009
License Type:	Production
Advanced Support Feature:	Yes
Company:	Argent Key
Contact:	Argent Internal Keys
Email:	Keys@Argent.com
Phone:	
Address:	
Sales Manager:	ARB
Product:	Argent Omega Baseline
Windows Servers:	100 (Licensed) - 54 (Used)
Windows Workstations:	100 (Licensed) - 46 (Used)
Unix Servers:	100 (Licensed) - 3 (Used)
iSeries Servers:	100 (Licensed) - 0 (Used)
Windows Cluster Objects:	100 (Licensed) - 0 (Used)
VMware Objects:	100 (Licensed) - 0 (Used)
XenServers:	100 (Licensed) - 0 (Used)
IP Devices:	No Limit (Licensed) - 7 (Used)
Printers:	No Limit (Licensed) - 0 (Used)
Internet Objects:	100 (Licensed) - 2 (Used)
Microsoft 365 Service Units:	100 (Licensed) - 1 (Used)
Link Objects:	100 (Licensed) - 0 (Used)
Enterprise Application Views:	100 (Licensed) - 0 (Used)
Generic Objects:	100 (Licensed) - 0 (Used)

Network Scan

Network Scan is used to scan servers or devices in the network.

The screenshot shows the ARGENT OMEGA (2.2 A - 2.210 - A) interface. The left sidebar contains a navigation menu with the following items: Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, Calendars, Administration (License (Admin Only), Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, Argent SIEM-Complete), Security (Network Scan, Active Directory, IP Address, SNMP Managed Devices, VMware Infrastructure, Windows Cluster, Network Browser), Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The 'Network Scan' item is highlighted in a red box. The main content area displays a table with the following data:

Name	Description
Active Directory	
IP Address	
SNMP Managed Devices	
VMware Infrastructure	
Windows Cluster	
Network Browser	

Argent Omega provides the facility to scan servers or devices in the following environments:

- Active Directory
- IP Address
- SNMP Managed Devices
- VMware Infrastructure
- Windows Cluster
- Network Browser

Active Directory

Define this scan to search devices in Active Directory.

Argent Omega provides for repeating the scan at specific intervals by defining a schedule.

The screenshot shows the Argent Omega web interface with the 'Active Directory' scan configuration page. The left sidebar contains a navigation menu with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Workflows, Macros, Calendars, Administration, License (Admin Only), Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, Argent SIEM-Complete, Security, Network Scan, Active Directory (selected), IP Address, SNMP Managed Devices, VMware Infrastructure, Windows Cluster, Network Browser, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The main content area is titled 'Network: Scan In Test Mode Will Not Be Scheduled Until Changed To Production Mode'. It contains various configuration fields: Domain Controller (Default), Organization Unit (OU) (empty), Logon (empty), Password (empty), Use Generator Service Account (checked), Windows Servers Only (unchecked), Save To Network Group (First Network Group), License Newly Found (Argent Omega Baseline), Fire Notification (Do Not Fire Alert), Schedule Time (12:00:00), Repeat Task (checked), Repetition Interval (1), Repetition Unit (Hours), Repeat Task Until (23:59:59), Calendar (Please Choose), Trace Level (Normal), Execute On Generators (Please Choose), and Exclude Nodes (Separated By Comma) (empty). A description field at the bottom contains the text 'This definition scans 192.168.2.x network segment for IP devices'.

IP Address

Define this scan to search devices in a specified IP address range.

The screenshot shows the Argent Omega web interface with the 'IP Address' scan configuration page. The left sidebar is the same as the previous screenshot, with 'IP Address' selected under the 'Active Directory' category. The main content area is titled 'Network: Scan In Test Mode Will Not Be Scheduled Until Changed To Production Mode'. It contains various configuration fields: Start IP (192.168.2.1), End IP (empty), Network Mask (255.255.255.0), Timeout (3 Seconds), Retry (0), Thread Limit (30), Save To Network Group (First Network Group), License Newly Found (Argent Omega Baseline), Fire Notification (Do Not Fire Alert), Schedule Time (12:00:00), Repeat Task (checked), Trace Level (Normal), Execute On Generators (Please Choose), and Exclude Nodes (Separated By Comma) (empty). A description field at the bottom contains the text 'This definition scans 192.168.2.x network segment for IP devices'.

SNMP Managed Device

Define this scan to search SNMP-enabled devices in a network.

Users have the option to specify an IP address range to search for SNMP-enabled devices in a specific IP address range.

ARGENT OMEGA (2.2A-2210-A)

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Monitoring Groups
Relators
Workflows
Macros
Calendars
Administration
License (Admin Only)
Generator Settings
Argent Omega
Argent Alert Mechanism
Argent Forecaster
Argent SIEM-Complete
Security
Network Scan
Active Directory
IP Address
SNMP Managed Devices
SCAN SNMP ALL
VMware Infrastructure
Windows Cluster
Network Browser
Event Logs
SuperMaps
Topology Maps
Locations
Contacts
Argent Reporter
Tag
Knowledge Base
Total Support Interface

Network Scan In Test Mode Will Not Be Scheduled Until Changed To Production Mode

SNMP Credentials:

Version	Community	SNMP User	Security Level
No data to display			

Network Segments:

Start IP Address	End IP Address	Network Mask
No data to display		

SNMP Port: 0
Timeout: 3 Seconds
Retry: 1
Thread Limit: 30
☐ Poll Directly Connected Neighbor Switches
Save To Network Group: First Network Group
License Newly Found: Argent Omega Baseline
Fire Notification: Do Not Fire Alert Please Choose:
Schedule Time: 12:00:00 ☐ Repeat Task
Trace Level: Normal

VMware Infrastructure

This definition scans vCenter for all Virtual Machines and ESX hosts.

ARGENT OMEGA (2.2A-2210-A)

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Monitoring Groups
Relators
Workflows
Macros
Calendars
Administration
License (Admin Only)
Generator Settings
Argent Omega
Argent Alert Mechanism
Argent Forecaster
Argent SIEM-Complete
Security
Network Scan
Active Directory
IP Address
SNMP Managed Devices
SCAN SNMP ALL
VMware Infrastructure
SCAN VM ALL
Windows Cluster
Network Browser
Event Logs
SuperMaps
Topology Maps
Locations
Contacts
Argent Reporter
Tag
Knowledge Base
Total Support Interface

Network Scan In Test Mode Will Not Be Scheduled Until Changed To Production Mode

vCenter or ESX Host: YOUR_VCENTER_IP_ADDRESS
☒ Use Generator Service Account
Protocol: https
Port: 443
☒ Include ESX Hosts
☐ Include Datacenter
☐ Include VMware Cluster
☐ Include Resource Pools
☒ Include Virtual Machines
Save To Network Group: First Network Group
License Newly Found: Please Choose:
Fire Notification: Do Not Fire Alert Please Choose:
Schedule Time: 12:00:00 ☐ Repeat Task
Trace Level: Normal
Execute On Generators: Please Choose:
☐ Use Generator Location As Location For Discovered Server Or Devices
Exclude Nodes (Separated By Comma):
Description:
This definition scans vCenter for all virtual machines and ESX hosts

Windows Cluster

This definition scans servers or devices in a Windows Cluster environment.

ARGENT OMEGA (2.2 A - 2210 - A)

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Monitoring Groups
Relators
Workflows
Macros
Calendars
Administration
License (Admin Only)
Generator Settings
Argent Omega
Argent Alert Mechanism
Argent Forecaster
Argent SIEM-Complete
Security
Network Scan
Active Directory
IP Address
SNMP Managed Devices
VMware Infrastructure
Windows Cluster
SCAN_CLUSTER_A01
Network Browser
Event Logs
SuperMaps
Topology Maps
Locations
Contacts
Argent Reporter
Tag
Knowledge Base
Total Support Interface

Network Scan In Test Mode Will Not Be Scheduled Until Changed To Production Mode

Cluster: YOUR_CLUSTER_NAME

Save To Network Group: First Network Group

License Newly Found: Argent Omega Baseline

Fire Notification: Do Not Fire Alert Please Choose:

Schedule Time: 12:00:00 Repeat Task

Trace Level: Normal

Execute On Generators: Please Choose:

Use Generator Location As Location For Discovered Server Or Devices

Exclude Nodes (Separated By Comma):

Description: This definition scans cluster objects.

Network Browser

This definition scans computers using network browser.

ARGENT OMEGA (2.2 A - 2210 - A)

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Monitoring Groups
Relators
Workflows
Macros
Calendars
Administration
License (Admin Only)
Generator Settings
Argent Omega
Argent Alert Mechanism
Argent Forecaster
Argent SIEM-Complete
Security
Network Scan
Active Directory
IP Address
SNMP Managed Devices
VMware Infrastructure
Windows Cluster
SCAN_CLUSTER_A01
Network Browser
SCAN_BROWSER_A01
Event Logs
SuperMaps
Topology Maps
Locations
Contacts
Argent Reporter
Tag
Knowledge Base
Total Support Interface

Network Scan In Test Mode Will Not Be Scheduled Until Changed To Production Mode

Workgroup Or Domain:

Browse All Computers

Save To Network Group: First Network Group

License Newly Found: Argent Omega Baseline

Fire Notification: Do Not Fire Alert Please Choose:

Schedule Time: 12:00:00 Repeat Task

Trace Level: Normal

Execute On Generators: Please Choose:

Use Generator Location As Location For Discovered Server Or Devices

Exclude Nodes (Separated By Comma):

Description: This definition scans computers using network browser.

Change the scan definition to Production Mode to execute the scanning as per the schedule.

The screenshot displays the Argent Omega web application interface. The top navigation bar includes the 'ARGENT OMEGA' logo and version '2.2.A - 2.2.10 - A', along with links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar contains a tree view of tool sets, including Alerts, Monitoring Groups, Relators, Workflows, Macros, Calendars, Administration, License (Admin Only), Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, Argent SIEM-Complete, Security, Network Scan, Active Directory, IP Address, SNMP Managed Devices, VMware Infrastructure, Windows Cluster, Network Browser, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The main configuration area is titled 'Network Scan In Test Mode Will Not Be Scheduled Until Changed To Production Mode'. It contains various settings such as Domain Controller, Organization Unit (OU), Logon, Password, Use Generator Service Account, Windows Servers Only, Save To Network Group, License Newly Found, Fire Notification, Schedule Time, Repeat Task, Repetition Interval, Repetition Unit, Repeat Task Until, Calendar, Trace Level, Execute On Generators, and Exclude Nodes (Separated By Comma). A right-hand menu is open, showing actions like Add New, Save, Undo, Delete, Copy, Rename, Change To Production Status (highlighted with a red box), Change To Test Status, Run Now, and Test Scanning. The bottom of the interface features a description field with a rich text editor and a Full Screen button.

Event Logs

The Event Logs screen provides details on the following:

- Internal Events
- User Audit Log
- Web UI Log

Internal Events

The Internal Events screen lists the internal events that occurred in the Argent Omega environment. Filtering options are provided to search the list by Machine, Severity and Event Type.

≡

ARGENT OMEGA (2.2 A - 2.210 - A)

Home Theme Argent Instant Help About Logout

Tool Sets

Alerts

Monitoring Groups

Relators

Workflows

Macros

Calendars

Administration

License (Admin Only)

Generator Settings

Argent Omega

Argent Alert Mechanism

Argent Forecaster

Argent SIEM-Complete

Security

Network Scan

Event Logs

Internal Events

User Audit Log

Web UI Log

SuperMaps

Topology Maps

Locations

Contacts

Argent Reporter

Tag

Knowledge Base

Total Support Interface

Search

Refresh

Event Time (UTC)	Machine	Severity	Event Type	Resolution Time
03 Oct 2022 05:55:09	AI-2019-009	Informational	Generator Start Mode	
03 Oct 2022 05:55:09	AI-2019-009	Informational	Windows Service starts	
03 Oct 2022 05:53:26	AI-2019-009	Informational	Generator starts	
30 Sep 2022 11:52:44	AI-2019-009	Informational	System Backup	
30 Sep 2022 11:48:49	AI-2019-009	Informational	Generator Start Mode	
30 Sep 2022 11:48:49	AI-2019-009	Informational	Windows Service starts	
30 Sep 2022 11:48:09	AI-2019-009	Informational	Generator starts	
30 Sep 2022 11:40:03	AI-2019-009	Informational	Windows Service has stopped	
30 Sep 2022 11:40:03	AI-2019-009	Warning	Generator is shutting down	
30 Sep 2022 10:22:34	AI-2019-009	Informational	Generator Start Mode	
30 Sep 2022 10:22:33	AI-2019-009	Informational	Windows Service starts	
30 Sep 2022 10:21:42	AI-2019-009	Informational	Generator starts	
29 Sep 2022 07:50:13	AI-2019-009	Informational	Generator Start Mode	
29 Sep 2022 07:50:13	AI-2019-009	Informational	Windows Service starts	
29 Sep 2022 07:49:27	AI-2019-009	Informational	Generator starts	
29 Sep 2022 06:41:53	AI-2019-009	Informational	Generator starts	

User Audit Log

The User Audit Log screen lists the Argent Omega user events. Filtering options are provided to search the list by User, Workstation, Source and Severity type.

ARGENT OMEGA (2.2A-2210-A)						
<div><div>≡</div><div>Tool Sets</div><div>Alerts</div><div>Monitoring Groups</div><div>Relators</div><div>Workflows</div><div>Macros</div><div>Calendars</div><div>Administration</div><div>License (Admin Only)</div><div>Generator Settings</div><div>Argent Omega</div><div>Argent Alert Mechanism</div><div>Argent Forecaster</div><div>Argent SIEM-Complete</div><div>Security</div><div>Network Scan</div><div>Event Logs</div><div>Internal Events</div><div>User Audit Log</div><div>Web UI Log</div><div>SuperMaps</div><div>Topology Maps</div><div>Locations</div><div>Contacts</div><div>Argent Reporter</div><div>Tag</div><div>Knowledge Base</div><div>Total Support Interface</div></div>	Search					
	Event Time (UTC)	User	Workstation	Source	Severity	Detail
	30 Sep 2022 06:44:59	ANYTIME-SUPPORT\Giri	:::	System	Warning	*** AUTH FAILURE: Authentication failure for user 'ANYTIME-SUPPORT\Giri' (Error: 1326) (ANYTIME-SUPPORT\Giri)
	30 Sep 2022 11:52:42	ANYTIME-SUPPORT\Giri	:::	System	Informational	Import Selected Objects by user 'Argent Omega Baseline' at ANYTIME-SUPPORT\Giri
	03 Oct 2022 07:01:00	ANYTIME-SUPPORT\Giri	:::	Relator	Informational	UPDATED RELATOR 'REL_DEMO' by user 'ANYTIME-SUPPORT\Giri' at :::
	03 Oct 2022 05:55:34	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)
	29 Sep 2022 09:43:46	ANYTIME-SUPPORT\Giri	:::	CMDB-X	Informational	ADDED CMDB-X Entity '192.168.110.65' by user 'ANYTIME-SUPPORT\Giri' at :::
	03 Oct 2022 05:58:32	ANYTIME-SUPPORT\Giri	:::	Event	Informational	DATA ARCHIVED by user 'ANYTIME-SUPPORT\Giri' at :::
	30 Sep 2022 09:31:56	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)
	30 Sep 2022 05:38:53	ANYTIME-SUPPORT\Giri	:::	System	Warning	*** AUTH FAILURE: Authentication failure for user 'ANYTIME-SUPPORT\Giri' (Error: 1326) (ANYTIME-SUPPORT\Giri)
	30 Sep 2022 05:55:52	ANYTIME-SUPPORT\Giri	:::	Workflow	Informational	DELETED Workflow 'WFL_CHECK' by user 'ANYTIME-SUPPORT\Giri' at :::
	30 Sep 2022 04:56:06	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)
	03 Oct 2022 07:32:52	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)
	29 Sep 2022 07:53:22	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)
	30 Sep 2022 05:39:00	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)
	29 Sep 2022 09:35:15	ANYTIME-SUPPORT\Giri	:::	CMDB-X	Informational	ADDED CMDB-X Entity 'Windows10-Tes02' by user 'ANYTIME-SUPPORT\Giri' at :::
	03 Oct 2022 06:06:45	ANYTIME-SUPPORT\Giri	:::	Event	Informational	DATA ARCHIVED by user 'ANYTIME-SUPPORT\Giri' at :::
	30 Sep 2022 11:51:46	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)
	30 Sep 2022 09:32:34	ANYTIME-SUPPORT\Giri	:::	Monitoring Group	Informational	UPDATED Monitoring Group 'BMG_DEMO' by user 'ANYTIME-SUPPORT\Giri' at :::
	29 Sep 2022 09:37:14	ANYTIME-SUPPORT\Giri	:::	CMDB-X	Informational	UPDATED CMDB-X Entity 'Windows10-Tes02' by user 'ANYTIME-SUPPORT\Giri' at :::
	03 Oct 2022 05:57:05	ANYTIME-SUPPORT\Giri	:::	Event	Informational	DATA ARCHIVED by user 'ANYTIME-SUPPORT\Giri' at :::
	03 Oct 2022 08:10:19	ANYTIME-SUPPORT\Giri	:::	Calendar	Informational	UPDATED UPDATED Calendar 'CAL_ALL_DAYS' by user 'ANYTIME-SUPPORT\Giri' at :::
	03 Oct 2022 08:43:04	ANYTIME-SUPPORT\Giri	:::	Tag	Informational	Added new Tag ':::' by user 'Argent Omega Baseline' at ANYTIME-SUPPORT\Giri
	29 Sep 2022 09:30:19	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)
	03 Oct 2022 05:56:54	ANYTIME-SUPPORT\Giri	:::	Event	Informational	DATA ARCHIVED by user 'ANYTIME-SUPPORT\Giri' at :::
	30 Sep 2022 09:33:51	ANYTIME-SUPPORT\Giri	:::	Workflow	Informational	UPDATED Workflow 'WFL_CHECK' by user 'ANYTIME-SUPPORT\Giri' at :::
	30 Sep 2022 10:22:47	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)
	30 Sep 2022 06:27:59	ANYTIME-SUPPORT\Giri	:::	Workflow	Informational	UPDATED Workflow 'WFL_CHECK' by user 'ANYTIME-SUPPORT\Giri' at :::
	30 Sep 2022 09:35:07	ANYTIME-SUPPORT\Giri	:::	Workflow	Informational	UPDATED Workflow 'WFL_CHECK' by user 'ANYTIME-SUPPORT\Giri' at :::
	29 Sep 2022 09:45:12	ANYTIME-SUPPORT\Giri	:::	CMDB-X	Informational	ADDED CMDB-X Entity '192.168.37.101' by user 'ANYTIME-SUPPORT\Giri' at :::
	03 Oct 2022 07:02:08	ANYTIME-SUPPORT\Giri	:::	Relator	Informational	UPDATED RELATOR 'REL_DEMO' by user 'ANYTIME-SUPPORT\Giri' at :::
	29 Sep 2022 09:32:34	ANYTIME-SUPPORT\Giri	:::	CMDB-X	Informational	DELETED CMDB-X Entity '192.168.110.65' by user 'ANYTIME-SUPPORT\Giri' at :::
	03 Oct 2022 05:56:55	ANYTIME-SUPPORT\Giri	:::	System	Informational	User login successfully (ANYTIME-SUPPORT\Giri)

Web UI Log

The Web UI Log screen lists the Argent Omega WUI events.

Filtering options are provided to search the list by Severity, Source and Description.

ARGENT OMEGA (2.2A-2210-A)				
<div><div>≡</div><div>Tool Sets</div><div>Alerts</div><div>Monitoring Groups</div><div>Relators</div><div>Workflows</div><div>Macros</div><div>Calendars</div><div>Administration</div><div>License (Admin Only)</div><div>Generator Settings</div><div>Argent Omega</div><div>Argent Alert Mechanism</div><div>Argent Forecaster</div><div>Argent SIEM-Complete</div><div>Security</div><div>Network Scan</div><div>Event Logs</div><div>Internal Events</div><div>User Audit Log</div><div>Web UI Log</div><div>SuperMaps</div><div>Topology Maps</div><div>Locations</div><div>Contacts</div><div>Argent Reporter</div><div>Tag</div><div>Knowledge Base</div><div>Total Support Interface</div></div>	Search			
	Event Time (UTC)	Severity	Source	Description
	03 Oct 2022 08:29:58	Informational	renewToken	Authorization token has been renewed
	03 Oct 2022 08:10:19	Informational	Calendar	Successfully Updated Calendar: CAL_ALL_DAYS
	03 Oct 2022 07:32:47	Error		Failed to login ANYTIME-SUPPORT\Firi is not a valid domain account
	03 Oct 2022 07:19:03	Warning	auto logoff	Maximum quiet time reached. Auto logoff
	03 Oct 2022 07:02:08	Informational	Relator	Successfully Updated Relator: REL_DEMO
	03 Oct 2022 07:01:00	Informational	Relator	Successfully Updated Relator: REL_DEMO
	03 Oct 2022 07:00:05	Informational	Relator	Successfully Updated Relator: REL_DEMO
	03 Oct 2022 06:54:00	Informational	Relator	Successfully Updated Relator: REL_DEMO
	03 Oct 2022 06:36:03	Warning	auto logoff	Maximum quiet time reached. Auto logoff
	03 Oct 2022 06:06:47	Informational	Event Console	Loaded event console
	03 Oct 2022 06:06:39	Informational	Event Console	Loaded event console
	03 Oct 2022 05:58:34	Informational	Event Console	Loaded event console
	03 Oct 2022 05:58:27	Informational	Event Console	Loaded event console
	03 Oct 2022 05:57:06	Informational	Event Console	Loaded event console
	03 Oct 2022 05:56:59	Informational	Event Console	Loaded event console
	03 Oct 2022 05:56:56	Informational	Event Console	Loaded event console
	03 Oct 2022 05:56:50	Informational	Event Console	Loaded event console
	03 Oct 2022 05:56:29	Informational	Event Console	Loaded event console
	03 Oct 2022 05:56:18	Informational	Event Console	Loaded event console
	03 Oct 2022 05:55:42	Informational	Event Console	Loaded event console
	03 Oct 2022 05:55:38	Informational	Event Console	Loading event console...

Argent SuperMaps Or Topology Maps

These Maps are network diagrams that show the selected devices; there are of three types:

- **Optional Google Maps**

When using Google Maps, Argent Omega automatically marks the selected devices in Google Maps, provided the locations are defined and correctly assigned to the device. A Google license is required.

- **Static Map**

Using a static map, an image available in the server can be used to specify the location of the devices manually

Empty Map

When using an empty map, no background appears for the map. The size of the map can be selected from the available sizes in the drop-down combo

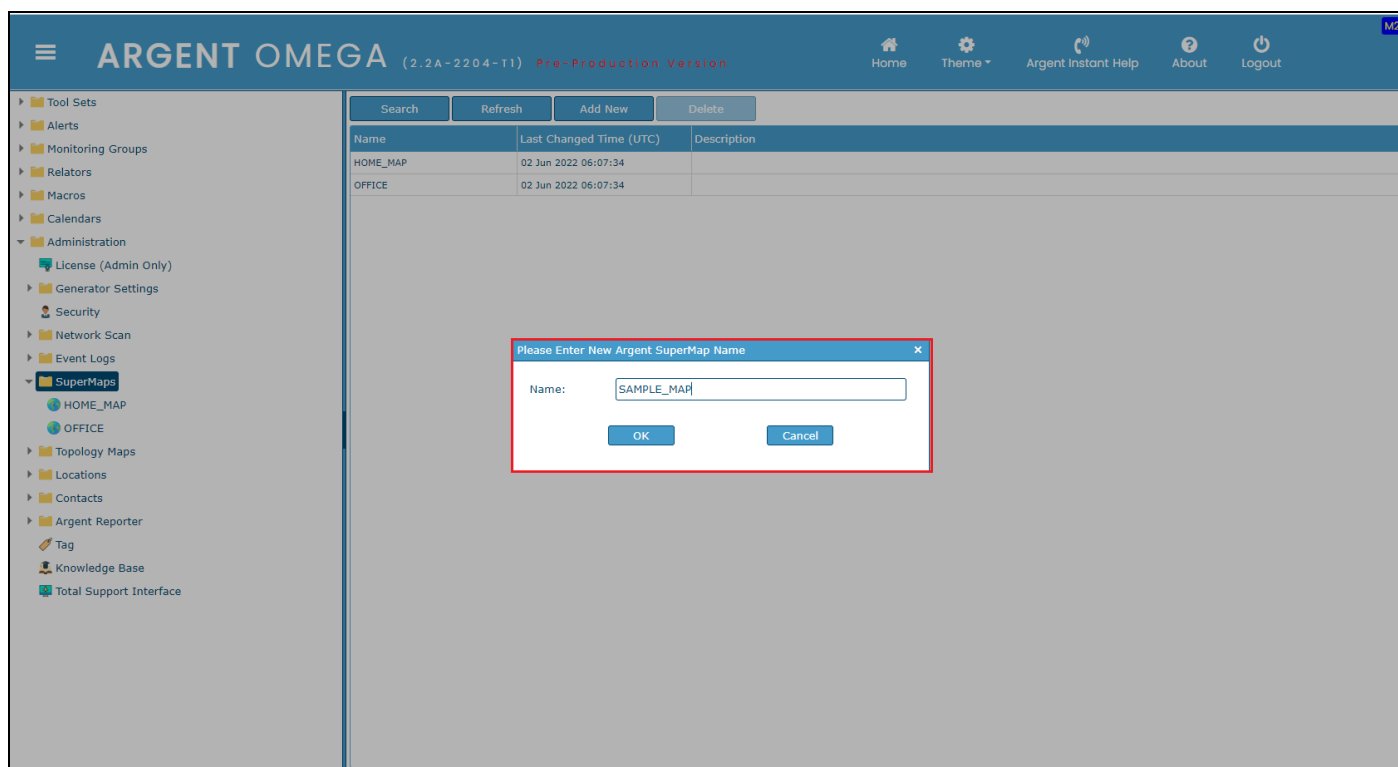
Add New Map

A new map can be created using **“Add New”** in the right-click menu item or the button on top of the **“Group folder’s”** list screen.

The screenshot shows the Argent Omega web interface. The top navigation bar includes the logo, version information (2.2A-2204-11), and navigation links (Home, Theme, Argent Instant Help, About, Logout). The left sidebar contains a tree view of the application's structure, with 'SuperMaps' selected. The main content area displays a table of maps with columns for Name, Last Changed Time (UTC), and Description. The 'Add New' button is highlighted in the top toolbar and in a right-click context menu.

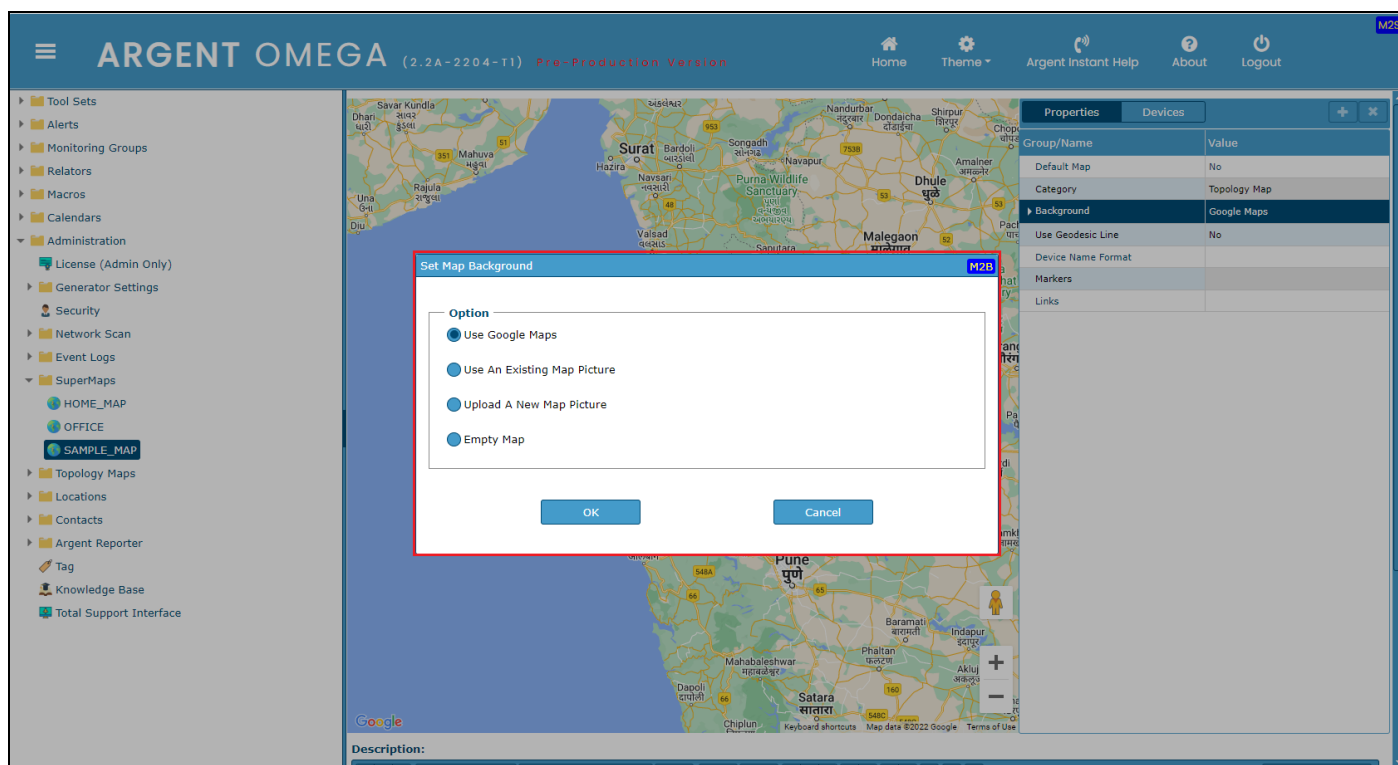
Name	Last Changed Time (UTC)	Description
HOME_MAP	02 Jun 2022 06:07:34	
OFFICE	02 Jun 2022 06:07:34	

The Map name can be specified in the sub-window that pops up.



Set Map Background

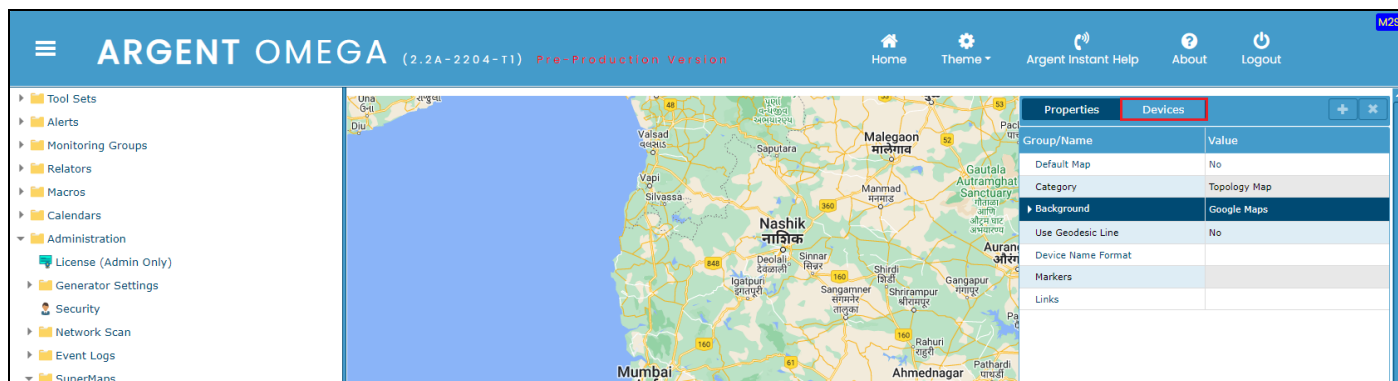
Double clicking the **“Background”** field in the Properties window, pops up the sub-window **“Set Map Background”**. This option can edit an existing Map or define a new Map. The sub-window contains options to choose Google Map, Static Map, or an Empty Map. If the choice is for a static Map, either an existing Map can be selected, or a new one can be uploaded. If the choice is for an empty Map, the size of the map can be selected from the drop-down combo.



Adding Devices To Google Maps

The optional Google Maps can only be used when the Locations are properly defined for the Network devices.

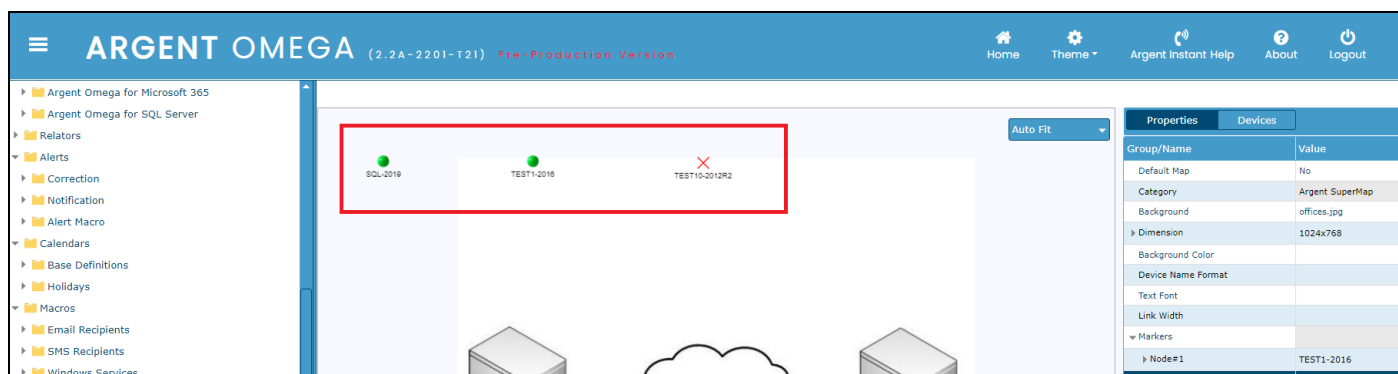
To add a device to the map, select the device list, pick the device from list, then click on “+” button. If it is a Google Map, the device’s location property determines the device dot on the map.



The application also supports the selection of multiple devices and adding them to the Map in one click. A combination of (Shift or Ctrl + left mouse click) can be used for multiple selections.

Adding Devices To Static Map

Listed devices can be added to a Static Map similarly to the way they are added to a Google Map. The difference is that the location of the device should be manually positioned. This can be done using drag and drop of the “X” mark or by specifying the X and Y coordinates in the Properties window.



Multiple devices can be added to the Static Map through multiple selection. Even when multiple devices are added to the Map, their position of each device is set individually.

Set Device Location

To set the location of the device, select the device from the list under the “**Devices**” tab and either use the right-click menu item “**Select Device Location**” or double click the selected device.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar contains a navigation menu with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Calendars, Administration, Generator Settings, Security, Network Scan, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The main area displays a map of Mumbai. A right-click context menu is open over the map, with the option "Set Device Location" highlighted in red. The menu also includes options like Add New, Save, Undo, Delete, Copy, Rename, Set As Default Map, Add A Location, Add A Monitoring Group, Compose Enterprise Application View Map, Crop, and Full Screen. On the right, the "Properties" and "Devices" tabs are visible. The "Devices" tab shows a table with columns for Device, Type, and Location. The table lists various devices, including DB-BUGTRACKER, DND-MFC-SQL, WIN10-MFC, DND-WEB-SQL-MYSQL, TEST5-2012R2, TEST10-2012R2, WIN-2022, AI-2019-009, ATS-99, QA-TEST-001, TEST1-2016, TEST-VM-VS2019, WIN2016TEST2021, 192.168.111.5, DESKTOP-K710708, TEST4-2012R2, AI-2019-001, AI-QC-02, ATS-009, WIN-1727G5G4EHR, AJS-TSET-PC, ANYTIME, DESKTOP-EDB7VE8, AI-2019-004, and D3PC-21. The "Location" column for most devices is set to "MUMBAI".

A sub-window pops up to enter or edit the device location.

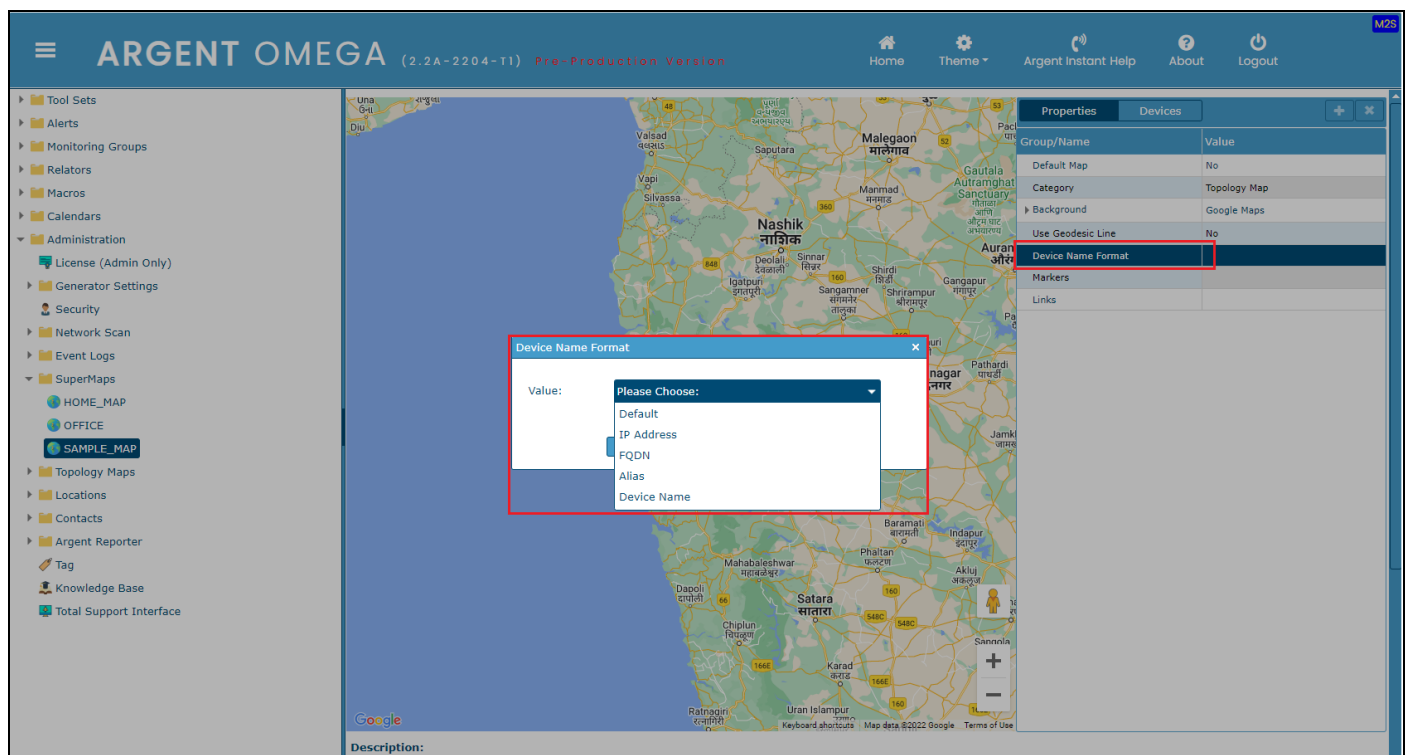
The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar contains a navigation menu with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Calendars, Administration, Generator Settings, Security, Network Scan, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The main area displays a map of Mumbai. A "Select A Location" dialog box is open, showing a dropdown menu with "MUMBAI" selected. The dialog box has "OK" and "Cancel" buttons. On the right, the "Properties" and "Devices" tabs are visible. The "Devices" tab shows a table with columns for Device, Type, and Location. The table lists various devices, including DB-BUGTRACKER, DND-MFC-SQL, WIN10-MFC, DND-WEB-SQL-MYSQL, TEST5-2012R2, TEST10-2012R2, WIN-2022, AI-2019-009, ATS-99, QA-TEST-001, TEST1-2016, TEST-VM-VS2019, WIN2016TEST2021, 192.168.111.5, DESKTOP-K710708, TEST4-2012R2, AI-2019-001, AI-QC-02, ATS-009, WIN-1727G5G4EHR, AJS-TSET-PC, ANYTIME, DESKTOP-EDB7VE8, AI-2019-004, and D3PC-21. The "Location" column for most devices is set to "MUMBAI".

Device Name Format

The Properties tab of the Map definition has a field “**Device Name Format.**” This field allows setting the name format by which the device should be displayed in the Argent SuperMaps or Topology Maps home screen.

The Available options are:

- Default
- IP Address
- Full Qualified Domain Name (FQDN)
- Alias



Delete, Copy Or Rename

The option to delete, copy or rename the Map definition is available in the right-click menu.

≡

ARGENT OMEGA

(2.2A-2204-11) Pre-Production Version

HomeThemeArgent Instant HelpAboutLogout

Tool Sets

Alerts

Monitoring Groups

Relators

Macros

Calendars

Administration

License (Admin Only)

Generator Settings

Security

Network Scan

Event Logs

SuperMaps

HOME_MAP

OFFICE

SAMPLE_MAP

Topology Maps

Locations

Contacts

Argent Reporter

Tag

Knowledge Base

Total Support Interface

Map of Maharashtra, India, showing cities like Nashik, Malegaon, and Ahmednagar.

Add New

Save

Undo

Delete

Copy

Rename

Set As Default Map

Add A Location

Add A Monitoring Group

Compose Enterprise Application View Map

Set Device Location

Crop

Full Screen

Properties

Devices

Group/Name	Value
Default Map	No
Category	Topology Map
Background	Google Maps
Use Geodesic Line	No
Device Name Format	
Markers	
Links	

Description:

Drill Down

Map definitions provide a drill down option. The **“Drill Down” option** in Properties allows specifying another Map. Double clicking the property pops up a sub-window from which any defined Map can be selected.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The main map area displays a network diagram with two buildings connected by an 'Internet' cloud. A 'Drill Down' dialog box is open, showing a dropdown menu with 'HOME_MAP' selected. The 'Properties' panel on the right lists various map properties, including 'Group/Name', 'Category', 'Background', 'Dimension', 'Background Color', 'Device Name Format', 'Text Font', 'Link Width', 'Markers', 'Node#1', 'Node#2', 'Name', 'Type', 'Icon', 'X', 'Y', 'Show Text', 'Text Color', 'Display Text', and 'Drill Down'.

Group/Name	Value
Default Map	No
Category	Topology Map
Background	offices.jpg
Dimension	1024x768
Background Color	
Device Name Format	
Text Font	
Link Width	
Markers	
Node#1	AI-2019-009
Node#2	TEST1-2016
Name	TEST1-2016
Type	CMDB-X Entity
Icon	
X	367
Y	64
Show Text	Bottom
Text Color	
Display Text	
Drill Down	
Links	

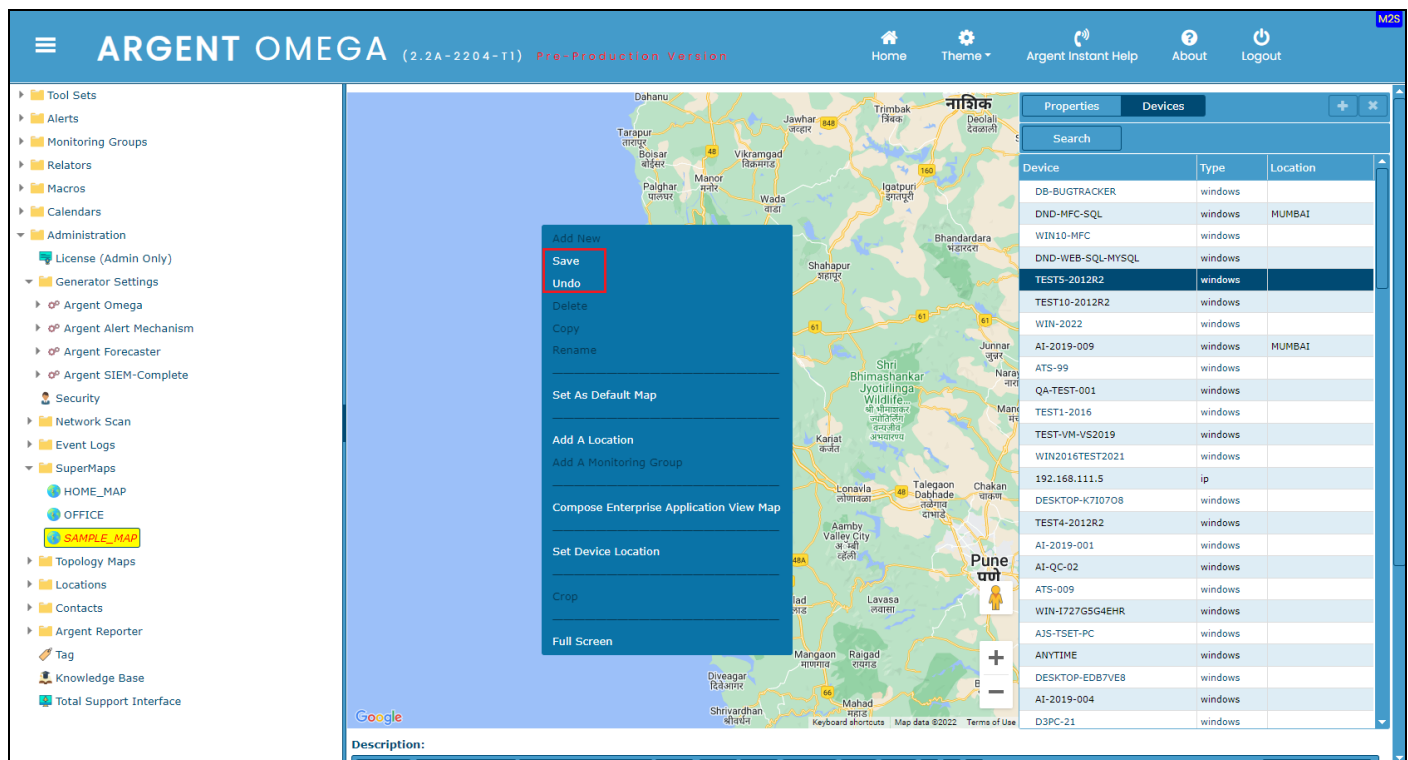
If any Drill Down item is defined for a device, the popup info window in the Home screen will contain a hyperlink. Click on the hyper link to get directed to the configured Map.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The main map area displays a network diagram with two buildings connected by an 'Internet' cloud. A popup info window is open for the device 'TEST1-2016', showing details such as 'Device: TEST1-2016', 'Outstanding: 1', 'Answered: 0', 'Resolved: 0', 'Suspended: 0', and a 'Drill Down: HOME_MAP' link. The 'Enterprise Network Health' panel on the right shows a pie chart with a red segment representing 'Outstanding' events. The 'Map: OFFICE' is selected.

Group/Key	Value
Event Status	
Outstanding	Yes
Answered	Yes
Resolved	Yes
Suspended	Yes
Event Priorities	
Critical	Yes
Medium	Yes
Low	Yes
Custom Priority Text	
Event Date/Time	All
Always Show Outstanding	Yes
Relator	=
Rule	=

Save And Undo

The changes made in the Map definition should be saved or undone before one can traverse to another screen. The right-click menu items **“Save”** and **“Undo”** are useful in practice.

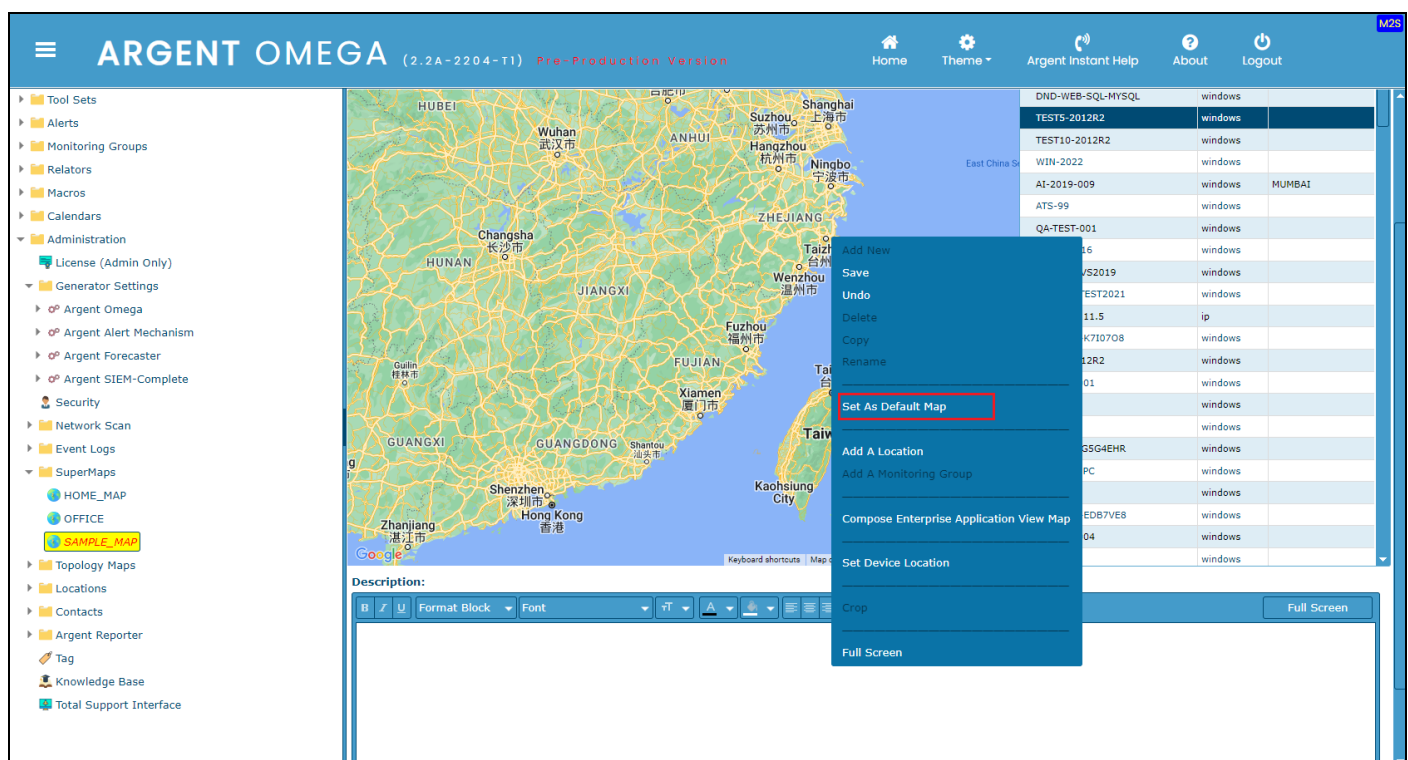


The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The main map displays a location in Mumbai, India. A right-click context menu is open over the map, listing various actions. The 'Save' and 'Undo' options are highlighted with a red rectangular box. The left sidebar contains a navigation tree with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Calendars, Administration, Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, Argent SIEM-Complete, Security, Network Scan, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The right sidebar shows a 'Properties' tab with a 'Devices' table.

Device	Type	Location
DB-BUGTRACKER	windows	
DND-MFC-SQL	windows	MUMBAI
WIN10-MFC	windows	
DND-WEB-SQL-MYSQL	windows	
TEST5-2012R2	windows	
TEST10-2012R2	windows	
WIN-2022	windows	
AI-2019-009	windows	MUMBAI
ATS-99	windows	
QA-TEST-001	windows	
TEST1-2016	windows	
TEST-VN-VS2019	windows	
WIN2016TEST2021	windows	
192.168.111.5	ip	
DESKTOP-K710708	windows	
TEST4-2012R2	windows	
AI-2019-001	windows	
AI-QC-02	windows	
ATS-009	windows	
WIN-1727G5G4EHR	windows	
AS3-TSET-PC	windows	
ANYTIME	windows	
DESKTOP-EDB7VE8	windows	
AI-2019-004	windows	
D3PC-21	windows	

Set As Default Map

Set the Map as the default Map on the Home screen by using the right-click menu item **“Set As Default Map.”**



The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The main map displays a location in China. A right-click context menu is open over the map, listing various actions. The 'Set As Default Map' option is highlighted with a red rectangular box. The left sidebar contains a navigation tree with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Calendars, Administration, Generator Settings, Argent Omega, Argent Alert Mechanism, Argent Forecaster, Argent SIEM-Complete, Security, Network Scan, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The right sidebar shows a 'Properties' tab with a 'Devices' table.

Device	Type	Location
DND-WEB-SQL-MYSQL	windows	
TEST5-2012R2	windows	
TEST10-2012R2	windows	
WIN-2022	windows	
AI-2019-009	windows	MUMBAI
ATS-99	windows	
QA-TEST-001	windows	
TEST1-2016	windows	
TEST-VN-VS2019	windows	
WIN2016TEST2021	windows	
11.5	ip	
K710708	windows	
12R2	windows	
01	windows	
Wenzhou	windows	
GSG4EHR	windows	
PC	windows	
EDB7VE8	windows	
04	windows	

Contacts

Add contact information in Contacts.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar contains a navigation menu with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Calendars, Administration, Generator Settings, Security, Network Scan, Event Logs, SuperMaps, Topology Maps, Locations, and Contacts. The 'BINUP' button is highlighted under the 'BINUP' category. The main content area displays the 'Point of Contact' form with fields for System Owner, Email, Phone Number, Remote Administration, and Support URL. The 'Description' field is a large text area with a rich text editor toolbar. Below the form are buttons for Save, Undo, Delete, Copy, and Rename.

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Monitoring Groups
Relators
Macros
Calendars
Administration
License (Admin Only)
Generator Settings
Argent Omega
Argent Alert Mechanism
Argent Forecaster
Argent SIEM-Complete
Security
Network Scan
Event Logs
SuperMaps
Topology Maps
Locations
Contacts
BINUP
Argent Reporter
Tag
Knowledge Base
Total Support Interface

Point of Contact:
System Owner: Binup
Email: Binup@argent.com
Phone Number: 123456789
Remote Administration:
Support URL:

Description:

Full Screen

Save Undo Delete Copy Rename

Locations

A new location can be created using “Add New” in the right-click menu item or the button on top.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar is the same as in the previous screenshot. The main content area displays a table with columns for Name, Last Changed Time (UTC), and Description. A context menu is open over the table, showing options: Refresh, Add New, Delete, Export, Import, and Print List. The 'Add New' option is highlighted with a red box.

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Monitoring Groups
Relators
Macros
Calendars
Administration
License (Admin Only)
Generator Settings
Argent Omega
Argent Alert Mechanism
Argent Forecaster
Argent SIEM-Complete
Security
Network Scan
Event Logs
SuperMaps
Topology Maps
Locations
Contacts
Argent Reporter
Tag
Knowledge Base
Total Support Interface

Refresh Add New Delete

Name	Last Changed Time (UTC)	Description
MUMBAI	02 Jun 2022 06:07:35	

Refresh
Add New
Delete
Export
Import
Print List

Enter name of the new location:

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar contains a navigation menu with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Calendars, Administration, Generator Settings, Security, Network Scan, Event Logs, SuperMaps, Topology Maps, Locations, Contacts, Argent Reporter, Tag, Knowledge Base, and Total Support Interface. The 'Locations' category is highlighted. The main content area displays a table with columns for Name, Last Changed Time (UTC), and Description. A modal dialog titled 'Please Enter New Location Name' is open, showing a text input field with 'CHICAGO' and 'OK' and 'Cancel' buttons.

The screenshot shows the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar is the same as the previous screenshot. The main content area displays a form for adding a new location. The 'City' field is filled with 'Chicago'. A red box highlights the 'Geolocation' button. Below the form is a map of Chicago with a red pin indicating the location. The map shows various neighborhoods and landmarks. The 'Description' field is empty.

It shows geo-locations that can be used for the Location property.

Clicking the “**Geo-Location**” button after specifying the city name yields the **latitude and longitude details**.

Location definitions are critical when Google Maps is used. A managed device has a **location property**.

When it is placed on Google Maps, its longitude and latitude are retrieved from its location.

Tag

A new Tag for Server or device can be created in Tag screen.

(See Argent KBI https://help.argent.com/#KBI_312001 for more details.)

ARGENT OMEGA (2.2 A - 2210 - A)

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Monitoring Groups
Relators
Workflows
Macros
Calendars
Administration
License (Admin Only)
Generator Settings
Argent Omega
Argent Alert Mechanism
Argent Forecaster
Argent SIEM-Complete
Security
Network Scan
Event Logs
SuperMaps
Topology Maps
Locations
Contacts
Argent Reporter
Tag
Knowledge Base
Total Support Interface

Tag	Node Usage	Port Usage	Rule Usage	Orphan
TAG_1	0	0	0	false
TAG_2	0	0	0	false

ARGENT OMEGA (2.2 A - 2210 - A)

Home Theme Argent Instant Help About Logout

Tool Sets
Alerts
Monitoring Groups
Relators
Workflows
Macros
Calendars
Administration
License (Admin Only)
Generator Settings
Argent Omega
Argent Alert Mechanism
Argent Forecaster
Argent SIEM-Complete
Security
Network Scan
Event Logs
SuperMaps
Topology Maps
Locations
Contacts
Argent Reporter
Tag
Knowledge Base
Total Support Interface

Tag	Node Usage	Port Usage	Rule Usage	Orphan
TAG_1	0	0	0	false
TAG_2	0	0	0	false

- Refresh
- Add New
- Delete
- Rename
- Export
- Import

Argent Omega

(2 . 2 A - 2 2 1 0 - A)

Home

Theme

Argent Instant Help

About

Logout

Tool Sets

Alerts

Monitoring Groups

Relators

Workflows

Macros

Calendars

Administration

- License (Admin Only)

Generator Settings

- Argent Omega
- Argent Alert Mechanism
- Argent Forecaster
- Argent SIEM-Complete

Security

- Network Scan
- Event Logs
- SuperMaps
- Topology Maps
- Locations
- Contacts
- Argent Reporter
- Tag
- Knowledge Base
- Total Support Interface

Tag	Node Usage	Port Usage	Rule Usage	Orphan
TAG_1	0	0	0	false
TAG_2	0	0	0	false

Please Enter New Tag

Tag

OKCancel

The newly created Tags will be listed under CMDB-X properties. Double-click on Tag property and select create Tags.

≡

ARGENT OMEGA (2.2A-2204-11) Pre-Production Version

Home

Theme

Argent Instant Help

About

Logout

Search

Server Or DeviceNetwork GroupScan Network

Network Group Or Machine	Type	Alias	Licensed	Suspend	Location	Contact
570_WASH_2ND_FLR	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_A	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_A_SERVER_18	Windows Server		Yes		NYC	
570_WASH_2ND_FLR_ANNEX_A_SERVER_3	Windows Server		Yes		NYC	
570_WASH_2ND_FLR_ANNEX_A_SERVER_33	Windows Server		Yes		NYC	
570_WASH_2ND_FLR_ANNEX_A_SERVER_48	Windows Server		Yes		NYC	
570_WASH_2ND_FLR_ANNEX_B	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_C	Network Group				NYC	
570_WASH_2ND_FLR_ANNEX_C2	Network Group				NYC	
570_WASH_3RD_FLR	Network Group				NYC	
570_WASH_4TH_FLR	Network Group				NYC	
570_WASH_BASEMENT	Network Group				NYC	
570_WASH_BATTS	Network Group				NYC	
622_THIRD_33	Network Group				NYC	
622_THIRD_33_168	Network Group				NYC	
622_THIRD_33_168B	Network Group				YONKER	
622_THIRD_33_168C	Network Group				YONKER	
622_THIRD_7	Network Group				YONKER	
622_THIRD_7B_EDS	Network Group				YONKER	
BACKBONE NETWORK	Network Group				NYC	
192.168.1.1	IP Device		Yes		COLDSPRING	
192.168.1.7	IP Device		Yes		COLDSPRING	
192.168.2.1	IP Device		Yes		NYC	
192.168.2.5	IP Device		Yes		NYC	
192.168.3.10	IP Device		Yes		YONKER	

Tag 1

Value: TAG

OKCancel

Group Or KeyValue

Hosting EnvironmentNone

SNMP ManagedNo

SQL Server InstalledNo

TCP Parameters

System Info Caching MinutesNever

Monitoring LevelLow

TierNot Specified

Tag 1

Tag 2

CriticalNo

IgnoredNo

Logical Dependency

Display OptionsRefresh

Group Or KeyValue

Show ObjectsAll

Network Group*

Monitoring Group*

Type*

Total Support Interface

The Total Support Interface allows you or third-party products and vendors to send Events directly to the central Argent Console.

≡

ARGENT OMEGA (2.2A-2210-A)

Home Theme Argent Instant Help About Logout

Tool Sets

Alerts

Monitoring Groups

Relators

Workflows

Macros

Calendars

Administration

License (Admin Only)

Generator Settings

Argent Omega

Argent Alert Mechanism

Argent Forecaster

Argent SIEM-Complete

Security

Network: Scan

Event Logs

SuperMaps

Topology Maps

Locations

Contacts

Argent Reporter

Tag

Knowledge Base

Total Support Interface

Product Name: Argent Omega Baseline Fire Event

Application: Windows

Rule Name: SLA_DEMO

Relator Name: REL_DEMO

Machine Name: Please Choose:

Keywords: Ping

Alert Category: Please Choose:

Alert Name: Please Choose:

Event Priority: Low

Event Summary: Testing Alert from WUI (Summary)

Event Detail: Testing Alert from WUI

Fire Event Even The Same Event Is Still Outstanding

Click the **Fire Event** button so that the event will be added to the console.

≡

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Home Theme Argent Instant Help About Logout

Enterprise Network Health Events

1

Outstanding

Node/Instance Rule Latest Event Time Priority Status Alert Fired Keywords/Summary

AI-WEB-47 SLA_DEMO 2 Jun 2022 15:13:32 (GMT+5:30) Low Outstanding

Testing Alert from WUI

Condition last seen at Thu, 2 Jun 2022 15:13:32 (GMT+5:30)

Sample event from Total Support Interface

2 Jun 2022 15:13:32 (GMT+5:30) Yes Testing Alert from WUI (Summary)

Event Detail

Event Time: Thu, 2 Jun 2022 15:13:32 (GMT+5:30)

Time Recorded: Thu, 2 Jun 2022 15:13:34 (GMT+5:30)

Machine: AI-WEB-47

Event Priority: Low

Rule Type: dba50583-024c-4501-88d1-89921215902e

Rule Name: SLA_DEMO

Relator Name: REL_DEMO

Keywords:

Tags:

Event Source: Argent Omega Baseline

Reference URL: http://help.argent.com

Status: Outstanding

Console Comment: Sample event from Total Support Interface

Alert Firing Status: Success - 15:13:35: Successfully fired alert 'EID_LOG_AS_ERROR'

Event Description: Testing Alert from WUI

Event Memos

Knowledge Base

No user memo has been entered yet

Group/Key Value

Event Status

Outstanding Yes

Answered Yes

Resolved Yes

Suspended Yes

Event Priorities

Critical Yes

Medium Yes

Low Yes

Custom Priority Text

Event Date/Time All

Always Show Outstanding Yes

Relator *

Rule *

Argent Omega Baseline

Argent Omega Baseline is a **Tool Set** within Argent Omega. There are different types of Rules used in Argent Omega Baseline, namely:

- Service Level Agreement Rules
- System Down Rules
- Windows Service Rules
- Windows Program Rules
- Windows Performance Rules
- PowerShell Script Rules
- WMI Script Rules
- LINUX Script Rules
- UNIX Script Rules

Service Level Agreement Rules

Service Level Agreement Rules check if a system is down via TCP/IP ping. This is the simplest method to determine the availability of a server or device.

Administrators should be aware that the ability to PING a server ONLY indicates the Network Interface is functioning.

You need to use a complete System Down Rule to accurately determine the operational state of a server.

The screenshot displays the Argent Omega web interface. On the left, a sidebar lists various tool sets, including 'Argent Omega Baseline', 'Service Level Agreement Rules', 'System Down Rules', and others. The 'SLA_DOUBLE_CHECK' rule is selected under 'Service Level Agreement Rules'. The main panel shows the configuration for this rule. It includes checkboxes for 'If TCP/IP Ping Failed, Wait' (set to 3 seconds), 'Use SNMP Protocol For Managed Devices', 'Save Response Time', and 'Save Performance Data To The Argent Forecaster Using Data Store: (default)'. There are input fields for 'Tag 1:', 'Tag 2:', and 'Tag 3:'. Below these, there are checkboxes for 'Post Event Even If The Same Event Is Still Outstanding (Unanswered)', 'Do So Only After' (set to 1 hour, 0 minutes), 'Ignore The Same Outstanding Event If Alerts Were Fired More Than' (set to 1 hour, 0 minutes), and 'Post Event Only After Rule Is Broken' (set to 2 or more times). A 'Reset Counter' section has radio buttons for 'After Event Is Post', 'After Event Is Answered', and 'After The Actual Condition Is Corrected'. The 'Application:' field is empty. The 'Reference URL:' field is empty. The 'Console Comment:' field contains '*** Device Unresponsive ***'. The 'Description:' field contains a detailed note about the rule's purpose and a warning about false alarms. The interface also shows a top navigation bar with links for Home, Theme, Argent Instant Help, About, and Logout, and a user profile icon in the top right corner.

NOTE: To prevent false alarms due to time-out errors, set the rule to alert only after it has been broken more than once. The number of times will depend on the speed of the network and the scan rate of the Relator. (For more details, see Argent KBI https://Help.Argent.com/#KBI_312000)

System Down Rules

System Down Rules provide various methods to determine if a particular server is alive or not.

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Home Theme Argent Instant Help About Logout

Tool Sets

- Argent Omega Baseline
- Service Level Agreement Rules
- System Down Rules
 - NDE_API_CONNECT**
 - NDE_API_CONNECT_ADVANCED
 - NDE_CLUSTER_OBJECT_STATE
 - NDE_CONNECTIVITY
 - NDE_DB2_PORT_SCAN
 - NDE_DOMINO_LDAP_SERVER
 - NDE_ISERIES_AGENT
 - NDE_OPEN_FILE
 - NDE_ORACLE_LISTENER
 - NDE_PACKET_LATENCY
 - NDE_PACKET_LOSS
 - NDE_PORT_CHECK
 - NDE_PROTOCOL_POP
 - NDE_PROTOCOL_SMTP
 - NDE_REMOTE_PS
 - NDE_SSH
 - NDE_TCP_IP_PING
 - NDE_WLS_PORT
 - NDE_WMI
 - NDE_WTS
- Windows Service Rules
- Windows Program Rules
- Windows Performance Rules
- PowerShell Script Rules
- WMI Script Rules

How to Determine Whether The Node Is Running

- ☒ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

☐ Ping Node Before Calling NetRemoteTOD API

☐ Double Check Down Node With Ping

If Ping Succeeds, Determine Node Status With Please Choose:

API Timeout: Seconds

Retry:

Ignore Error Codes:

☒ Save Response Time

☒ Save Performance Data To The Argent Forecaster Using Data Store:

Tag 1:

Tag 2:

Tag 3:

☒ Post Event Even If The Same Event Is Still Outstanding (Unanswered)

☐ Do So Only After Hour Minute Since Event Is Post

☒ Ignore The Same Outstanding Event If Alerts Were Fired More Than Hour Minute Ago

☒ Post Event Only After Rule Is Broken Hour Minute Ago

Argent Omega provides a bundle of built-in Rules to check the status of various servers and devices. System Down Rules provides the following methods to monitor a server or device:

NetRemoteTOD Win32 API

This method is more reliable than using a simple TCP/IP ping, which simply checks the network card, and does not go into the actual operating system itself; this method does have a concomitant increase in overhead.

How to Determine Whether The Node Is Running

- ☒ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

By using the API call, this Rule checks that the operating system on the monitored server is actually running.

Testing by Argent shows that the NetRemoteTOD API call has the lowest overhead of any API call. Any API could be used to exercise the operating system on the remote machine; NetRemoteTOD was used because of its light weight.

Scan Specific TCP/IP Port

It is possible to scan a specific TCP/IP port.

By default, it is a simple port scanning, connecting a TCP port then disconnecting.

Also there is an option to scan SSL ports.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☒ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

TCP Service Protocol Handshakes:

Action	Text	Case Sensitive	Regular Expression	End With LF/CR
--------	------	----------------	--------------------	----------------

TCP Port: 50,000
SSL Mode: No SSL

Use TCP/IP Ping

Determines if a system is down by TCP/IP ping.

The simplest method to determine the availability of a server or device.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☒ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

Use Ping Blast

Determines if a system is unreliable with high packet loss by TCP/IP ping blast.

It can be useful to test an unreliable slow link.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☒ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

Check State Of Cluster Object

Uses Failover Cluster WMI Provider to query state of cluster object.

WMI method is required if Argent Omega Engine runs on OS platform different from Cluster OS platform.

For example, Argent Omega Engine of Windows 2008 R2 monitoring a Windows 2016 Cluster.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☒ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

Use Remote Desktop Service

This Rule connects to RDP service to determine if a machine is actually functioning.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☒ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

Use WMI Service

This Rule connects to WMI namespace 'root\cimv2' to determine if a machine is actually functioning.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☒ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

Use Remote PowerShell

This Rule connects to remote PowerShell service to determine if a machine is actually functioning.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☒ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

Use Secure Shell Logon or Logoff

Determines if a UNIX server is down by explicitly logging on through Secure SSH.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☒ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

Open Existing File On Specific Node

Determines if a system is down by checking for the existence of a file on the system.

This is a useful method to check the availability of a machine that is not running the Microsoft Windows operating system.

The Administrator can take the appropriate action to resolve the system-down when this Rule breaks.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☒ Open This Existing File On The Node
- ☐ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

Best Suited Connectivity Test

This Rule uses the most appropriate method based on target node type to test target connectivity.

For example, use the NetRemoteTOD Win32 API for Windows machines, SNMP for managed switches, green, red, yellow or gray status for VMware objects etc.

Note: Link Object and Enterprise Application View should use this option to determine the object state.

How to Determine Whether The Node Is Running

- ☐ Call Windows NetRemoteTOD API
- ☐ Scan Specific TCP Port
- ☐ Use TCP/IP Ping
- ☐ Run Ping Blast
- ☐ Check State Of Cluster Object
- ☐ Connect To Remote Desktop Service
- ☐ Connect To WMI Service
- ☐ Connect To Remote PowerShell
- ☐ Secure Shell Logon/Logoff
- ☐ Open This Existing File On The Node
- ☒ Best Suited Connectivity Test (ex. Use This Option For Enterprise Application View)

Windows Service Rules

W200x Service Rules allow you to check if specific services are:

- “Running”*
- Stopped
- Paused
- Start Pending
- Stop Pending
- Pause Pending
- Continue Pending
- Stalled
- Installed
- Not Installed

* See Argent KBI https://Help.Argent.com/#KBI_310212

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Home Theme Argent Instant Help About Logout

Tool Sets

- Argent Omega Baseline
 - Service Level Agreement Rules
 - System Down Rules
 - Windows Service Rules
 - Active Directory
 - SVC_AD_DNS_SERVER**
 - SVC_AD_FILE_REPLICATION
 - SVC_AD_KERBEROS_KDC
 - ARCserve
 - Backup Exec
 - Compaq
 - DB2
 - DHCP
 - Domino Lotus
 - IBM
 - IIS
 - MallMarshall
 - Microsoft DNS
 - Oracle
 - RAS
 - RPC
 - Spooler
 - Terminal Service
 - TrendMicro InterScan
 - Windows SNMP
 - Windows Program Rules
 - Windows Performance Rules
 - PowerShell Script Rules

Windows Services To Monitor: Explicitly Selected

Monitoring Mechanism: Windows Native

Rule Is Broken If Service Status Is: Stopped

Action To Take If Rule Is Broken: Do Nothing

Selected Windows Services

Type	Service Internal Name	Display Name
Simple	DNS	DNS Server

☐ Ignore Disabled Services

☐ Fail Rule If Error Happens When Accessing Remote Service Control Manager (SCM)

☐ Fire Event Even If The Condition Is Corrected

☐ Fire Separate Events For Each Broken Service

☐ Save Performance Data To The Argent Forecaster Using Data Store: {default}

Tag 1:

Tag 2:

Tag 3:

☐ Post Event Even If The Same Event Is Still Outstanding (Unanswered)

Windows Service Rules can also be used to take appropriate action if the Rule is Broken.

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Home Theme Argent Instant Help About Logout

Tool Sets

- Argent Omega Baseline
 - Service Level Agreement Rules
 - System Down Rules
 - Windows Service Rules
 - Active Directory
 - SVC_AD_DNS_SERVER**
 - SVC_AD_FILE_REPLICATION
 - SVC_AD_KERBEROS_KDC
 - ARCserve
 - Backup Exec

Windows Services To Monitor: Explicitly Selected

Monitoring Mechanism: Windows Native

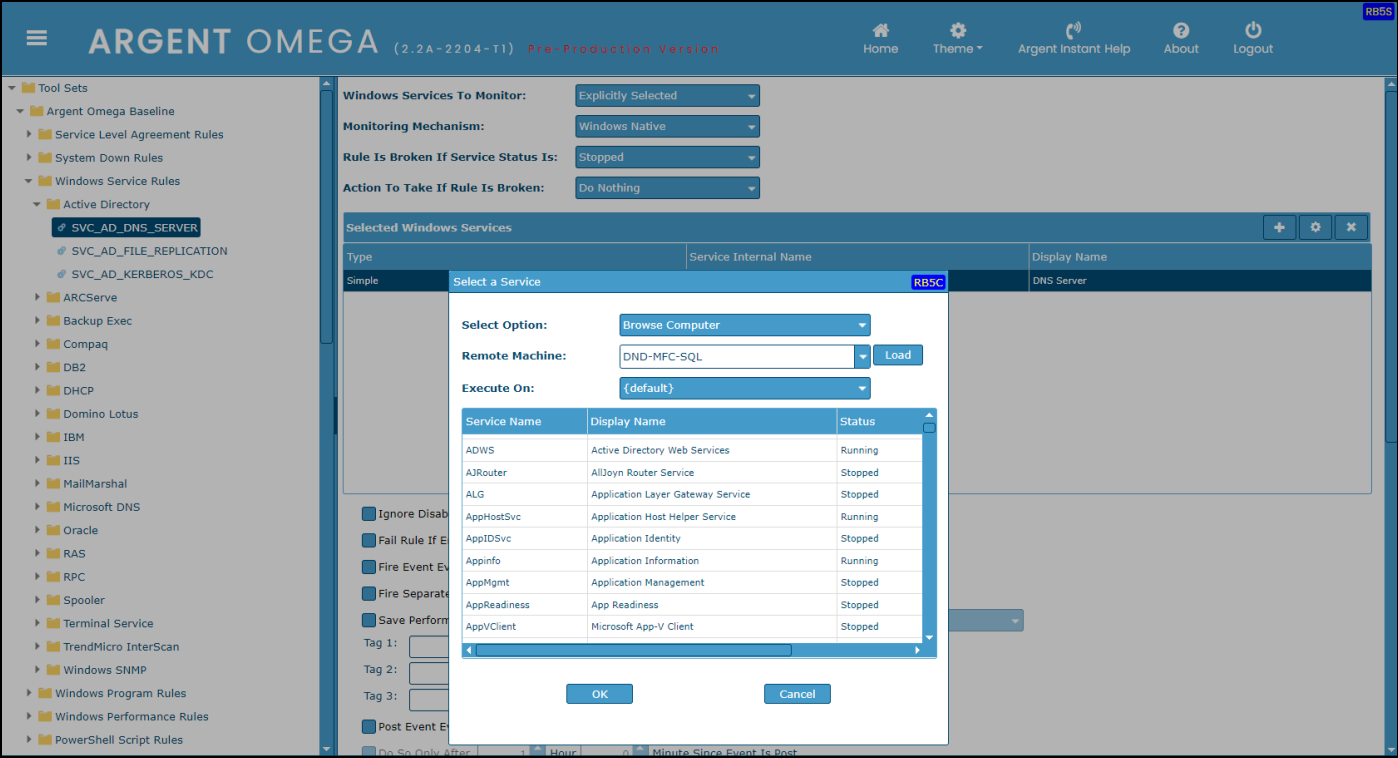
Rule Is Broken If Service Status Is: Stopped

Action To Take If Rule Is Broken: Do Nothing

Selected Windows Services

Type	Service Internal Name	Display Name
Simple	DNS	DNS Server

You can customize your Services Rules by loading the service lists from any machine.



Windows Program Rules

Windows Program Rules monitors Windows Processes.

The Administrator can take the appropriate action to ensure the process is restarted or killed, depending upon the Rule configuration.

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Monitoring Mechanism: Windows Native

Rule Is Broken If Windows Process Is: Running

Process Instance Count: Any

Selected Windows Processes

Type	Process	Command Line Arguments
------	---------	------------------------

☐ Fail Rule If Error Happens When Acquiring Process List

☐ Fire Separate Events For Each Broken Windows Process

☐ Save Performance Data To The Argent Forecaster Using Data Store: (default)

Tag 1:

Tag 2:

Tag 3:

☐ Post Event Even If The Same Event Is Still Outstanding (Unanswered)

☐ Do So Only After 1 Hour 0 Minute Since Event Is Post

☐ Ignore The Same Outstanding Event If Alerts Were Fired More Than 1 Hour 0 Minute Ago

☐ Post Event Only After Rule Is Broken 2 or More Times

You can customize your Program Rules by loading the processes lists from any machine.

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version

Monitoring Mechanism: Windows Native

Rule Is Broken If Windows Process Is: Running

Process Instance Count: Any

Selected Windows Processes

Type	Process	Command Line Arguments
Simple	navapw32.exe	

Select a Windows Process

Select Option: Browse Computer

Remote Machine: DND-MFC-SQL

Execute On: {default}

Process	Command Line Arguments
AAMMailGenerator.exe	/acl
AAMMain.exe	
AAMSMSGenerator.exe	/acl
AOFMain.exe	
ApplicationFrameHost.exe	-Embedding
ARGENT_REPORT_SCH...	
ArgentOmegaExecutor.exe	7 /loop /demo
ArgentOmegaExecutor.exe	6 /loop /demo
ArgentOmegaExecutor.exe	1 /loop /demo

☐ Ignore Command Line Arguments

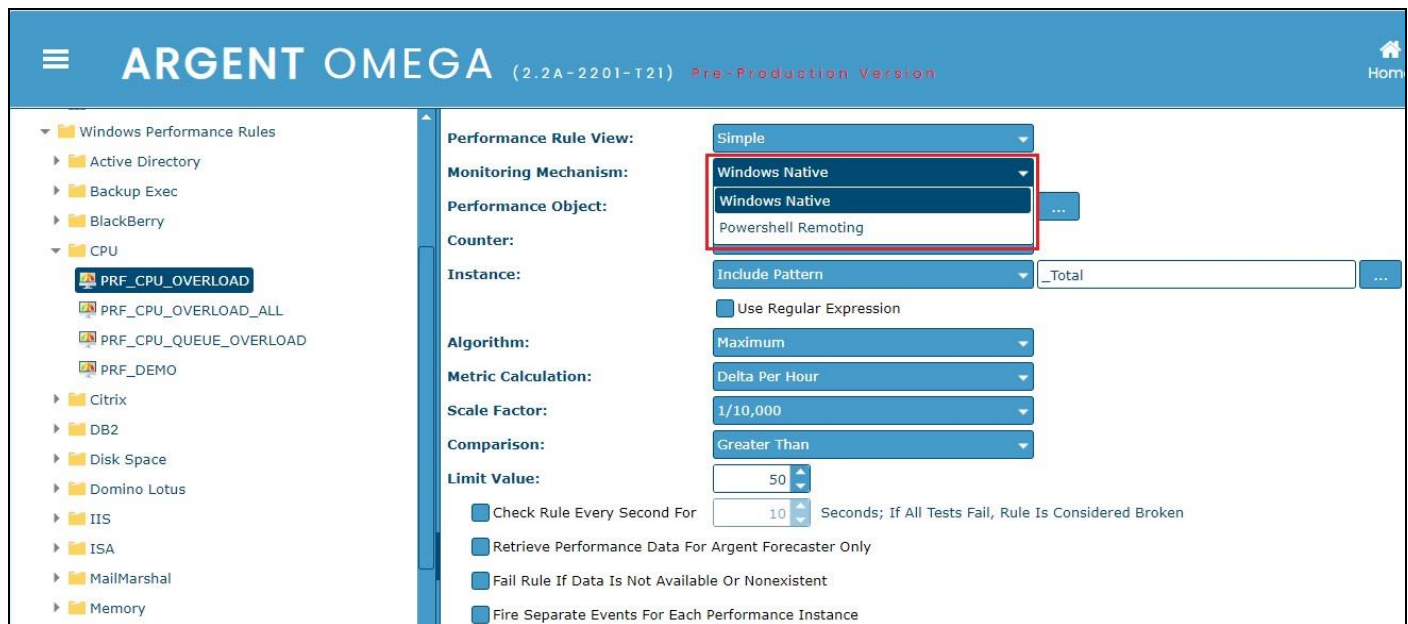
OK Cancel

Windows Performance Rules

Windows Performance Rules are used to retrieve valuable performance data and snapshots for a particular server.

Monitoring Mechanism

Two types of monitoring mechanisms, Windows Native and PowerShell Remoting, are available in Windows Performance Rule.



ARGENT OMEGA (2.2A-2201-T21) Pre-Production Version

Windows Performance Rules

- Active Directory
- Backup Exec
- BlackBerry
- CPU
 - PRF_CPU_OVERLOAD**
 - PRF_CPU_OVERLOAD_ALL
 - PRF_CPU_QUEUE_OVERLOAD
 - PRF_DEMO
- Citrix
- DB2
- Disk Space
- Domino Lotus
- IIS
- ISA
- MailMarshal
- Memory

Performance Rule View: Simple

Monitoring Mechanism: Windows Native

Performance Object: Windows Native

Counter: Powershell Remoting

Instance: Include Pattern

Algorithm: Maximum

Metric Calculation: Delta Per Hour

Scale Factor: 1/10,000

Comparison: Greater Than

Limit Value: 50

☐ Check Rule Every Second For 10 Seconds; If All Tests Fail, Rule Is Considered Broken

☐ Retrieve Performance Data For Argent Forecaster Only

☐ Fail Rule If Data Is Not Available Or Nonexistent

☐ Fire Separate Events For Each Performance Instance

Performance Object

After specifying the server to monitor, the performance object field drop down will show the available performance objects of the server and the Administrator can select the required object form the drop down.



ARGENT OMEGA (2.2A-2201-T21) Pre-Production Version

Windows Performance Rules

- Active Directory
- Backup Exec
- BlackBerry
- CPU
 - PRF_CPU_OVERLOAD**
 - PRF_CPU_OVERLOAD_ALL
 - PRF_CPU_QUEUE_OVERLOAD
 - PRF_DEMO
- Citrix
- DB2
- Disk Space
- Domino Lotus
- IIS
- ISA
- MailMarshal
- Memory

Performance Rule View: Simple

Monitoring Mechanism: Windows Native

Performance Object: Processor

Counter: .NET CLR Data

Instance: Include Pattern

Algorithm: Maximum

Metric Calculation: Delta Per Hour

Scale Factor: 1/10,000

Comparison: Greater Than

Limit Value: 50

☐ Check Rule Every Second For 10 Seconds; If All Tests Fail, Rule Is Considered Broken

☐ Retrieve Performance Data For Argent Forecaster Only

☐ Fail Rule If Data Is Not Available Or Nonexistent

☐ Fire Separate Events For Each Performance Instance

Counter

On choosing the Performance Object, the Counter field drop down will list the available counters with respect to that Object.

The screenshot shows the ARGENT OMEGA (2.2A-2201-T21) Pre-Production Version interface. On the left, a tree view shows 'Windows Performance Rules' expanded, with 'CPU' selected. Under 'CPU', 'PRF_CPU_OVERLOAD' is highlighted. The main configuration area on the right has the following settings:

- Performance Rule View:** Simple
- Monitoring Mechanism:** Windows Native
- Performance Object:** Processor
- Counter:** % Processor Time (The dropdown menu is open, showing a list of counters: % C1 Time, % C2 Time, % C3 Time, % DPC Time, % Idle Time, % Interrupt Time, % Privileged Time, and % Processor Time. The 'Counter' field is highlighted with a red box.)
- Instance:** _Total
- Algorithm:** (empty)
- Metric Calculation:** (empty)
- Scale Factor:** (empty)
- Comparison:** (empty)
- Limit Value:** 50
- ☐ Check Rule Every Second For 10 Seconds; If All Tests Fail, Rule Is Considered Broken
- ☐ Retrieve Performance Data For Argent Forecaster Only
- ☐ Fail Rule If Data Is Not Available Or Nonexistent
- ☐ Fire Separate Events For Each Performance Instance

Instance

Pattern to include or exclude can be specified.

The screenshot shows the ARGENT OMEGA (2.2A-2201-T21) Pre-Production Version interface. On the left, a tree view shows 'Windows Performance Rules' expanded, with 'CPU' selected. Under 'CPU', 'PRF_CPU_OVERLOAD' is highlighted. The main configuration area on the right has the following settings:

- Performance Rule View:** Simple
- Monitoring Mechanism:** Windows Native
- Performance Object:** Processor
- Counter:** % Processor Time
- Instance:** Include Pattern (The dropdown menu is open, showing a list of instance patterns: Include Pattern, Include Pattern, and Exclude Pattern. The 'Instance' field is highlighted with a red box.)
- Algorithm:** (empty)
- Metric Calculation:** Delta Per Hour
- Scale Factor:** 1/10,000
- Comparison:** Greater Than
- Limit Value:** 50
- ☐ Check Rule Every Second For 10 Seconds; If All Tests Fail, Rule Is Considered Broken
- ☐ Retrieve Performance Data For Argent Forecaster Only
- ☐ Fail Rule If Data Is Not Available Or Nonexistent
- ☐ Fire Separate Events For Each Performance Instance

Algorithm

Choose the required algorithm for the performance.

The screenshot shows the ARGENT OMEGA (2.2A-2201-T21) Pre-Production Version interface. On the left is a tree view of Windows Performance Rules, with 'PRF_CPU_OVERLOAD' selected under the 'CPU' folder. The main panel displays configuration for this rule. The 'Algorithm' dropdown menu is open, showing options: Any, Average, Maximum (highlighted), Minimum, Sum, and All. Other settings include: Performance Rule View: Simple; Monitoring Mechanism: Windows Native; Performance Object: Processor; Counter: % Processor Time; Instance: Include Pattern (with '_Total' in the adjacent text box); and checkboxes for 'Check Rule Every Second For', 'Retrieve Performance Data For Argent Forecaster Only', 'Fail Rule If Data Is Not Available Or Nonexistent', and 'Fire Separate Events For Each Performance Instance'.

Metric Calculation

The Administrator can select the appropriate metric calculation from the drop-down list.

This screenshot shows the same ARGENT OMEGA interface as above, but with the 'Metric Calculation' dropdown menu open. The menu options are: Get, Delta Since Last Poll, Delta Per Second, Delta Per Minute, Delta Per Hour (highlighted), and Delta Wait. The 'Algorithm' dropdown is now closed and set to 'Maximum'. All other settings remain the same as in the previous screenshot.

Scale Factor

Specify the scale factor for the performance calculation.

The screenshot shows the ARGENT OMEGA (2.2A-2201-T21) Pre-Production Version interface. On the left is a tree view of Windows Performance Rules, with 'PRF_CPU_OVERLOAD' selected under the 'CPU' folder. The main panel displays the configuration for this rule. The 'Scale Factor' dropdown menu is open, showing a list of values: No Scale, 10, 100, 1,000, 10,000, 100,000, 1,000,000, 1/10, 1/100, 1/1,000, 1/10,000 (highlighted), 1/100,000, and 1/1,000,000. Other configuration options visible include Performance Rule View (Simple), Monitoring Mechanism (Windows Native), Performance Object (Processor), Counter (% Processor Time), Instance (Include Pattern), Algorithm (Maximum), Metric Calculation (Delta Per Hour), and Limit Value (1/10,000). There are also checkboxes for 'Check Rule Every Second For', 'Retrieve Performance Data For', 'Fail Rule If Data Is Not Available', 'Fire Separate Events For Each', 'Save Performance Data To the', and 'Post Event Even If the Same Event Is Still Outstanding (Unanswered)'.

Comparison

The Administrator can select Greater Than, Less Than or Between, for comparing.

The screenshot shows the ARGENT OMEGA (2.2A-2201-T21) Pre-Production Version interface. On the left is a tree view of Windows Performance Rules, with 'PRF_CPU_OVERLOAD' selected under the 'CPU' folder. The main panel displays the configuration for this rule. The 'Comparison' dropdown menu is open, showing a list of values: Greater Than (highlighted), Greater Than, Less Than, and Between. Other configuration options visible include Performance Rule View (Simple), Monitoring Mechanism (Windows Native), Performance Object (Processor), Counter (% Processor Time), Instance (Include Pattern), Algorithm (Maximum), Metric Calculation (Delta Per Hour), Scale Factor (1/10,000), and Limit Value (1/10,000). There are also checkboxes for 'Check Rule Every Second For', 'Retrieve Performance Data For', 'Fail Rule If Data Is Not Available Or Nonexistent', and 'Fire Separate Events For Each Performance Instance'.

Limit Value

Limit value for can be specified for the comparison and operation.

ARGENT OMEGA (2.2A-2201-T21) Pre-Production Version

Windows Performance Rules

- Active Directory
- Backup Exec
- BlackBerry
- CPU
 - PRF_CPU_OVERLOAD**
 - PRF_CPU_OVERLOAD_ALL
 - PRF_CPU_QUEUE_OVERLOAD
 - PRF_DEMO
- Citrix
- DB2
- Disk Space
- Domino Lotus
- IIS
- ISA
- MailMarshal
- Memory

Performance Rule View: Simple

Monitoring Mechanism: Windows Native

Performance Object: Processor

Counter: % Processor Time

Instance: Include Pattern _Total

Use Regular Expression

Algorithm: Maximum

Metric Calculation: Delta Per Hour

Scale Factor: 1/10,000

Comparison: Greater Than

Limit Value: 50

☐ Check Rule Every Second For 10 Seconds; If All Tests Fail, Rule Is Considered Broken

☐ Retrieve Performance Data For Argent Forecaster Only

☐ Fail Rule If Data Is Not Available Or Nonexistent

☐ Fire Separate Events For Each Performance Instance

Performance Rule View

There are three types of views: **Simple**, **Multi-Level**, and **Advanced**

- **Simple**

This is the simplest view of performance monitoring.

ARGENT OMEGA (2.2A-2204-T11) Pre-Production Version

Home Theme Argent Instant Help About Logout

Tool Sets

- Argent Omega Baseline
- Service Level Agreement Rules
- System Down Rules
- Windows Service Rules
- Windows Program Rules
- Windows Performance Rules
 - Active Directory
 - Backup Exec
 - BlackBerry
 - Citrix
 - CPU
 - PRF_CPU_OVERLOAD**
 - PRF_CPU_OVERLOAD_ALL
 - PRF_CPU_QUEUE_OVERLOAD
 - PRF_DEMO
 - DB2
 - Disk Space
 - Domino Lotus
 - IIS
 - ISA
 - MailMarshal
 - Memory
 - Network
 - SQL Server
 - System Uptime
 - Terminal Service
 - TrendMicro Interscan
 - PowerShell Script Rules

Performance Rule View: Simple

Monitoring Mechanism: Windows Native

Performance Object: Processor

Counter: % Processor Time

Instance: Include Pattern _Total

Use Regular Expression

Algorithm: Any

Metric Calculation: Get

Scale Factor: No Scale

Comparison: Greater Than

Limit Value: 90

☐ Check Rule Every Second For 10 Seconds; If All Tests Fail, Rule Is Considered Broken

☐ Retrieve Performance Data For Argent Forecaster Only

☐ Fail Rule If Data Is Not Available Or Nonexistent

☐ Fire Separate Events For Each Performance Instance

☒ Save Performance Data To The Argent Forecaster Using Data Store: (default)

Tag 1:

Tag 2:

Tag 3:

☐ Post Event Even If The Same Event Is Still Outstanding (Unanswered)

☐ Do So Only After 1 Hour 0 Minute Since Event Is Post

☐ Ignore The Same Outstanding Event If Alerts Were Fired More Than 1 Hour 0 Minute Ago

☐ Post Event Only After Rule Is Broken 2 or More Times

Reset Counter

☒ After Event Is Post

- **Multi-Level**

This Performance Rule View option contains more options for setting the Limit Value.

The screenshot shows the ARGENT OMEGA (2.2A-2204-11) Pre-Production Version interface. The left sidebar lists various tool sets, including CPU, DB2, Disk Space, Domino Lotus, IIS, ISA, MailMarshal, Memory, Network, SQL Server, System Uptime, Terminal Service, TrendMicro Interscan, and PowerShell Script Rules. The main panel displays the Performance Rule View configuration for the 'PRF_CPU_OVERLOAD' rule. The configuration includes:

- Performance Rule View:** Multi-Level
- Monitoring Mechanism:** Windows Native
- Performance Object:** Processor
- Counter:** % Processor Time
- Instance:** Include Pattern
- Algorithm:** Any
- Metric Calculation:** Get
- Scale Factor:** No Scale
- Comparison:** Greater Than
- Limit Values:**
 - Acceptable Limit Value: 0
 - Approaching Limit Value: 0
 - At Limit Value: 0
 - Exceeding Limit Value: 0
 - Major Overload Value: 0
- Check Rule Every Second For:** 10 Seconds; If All Tests Fail, Rule Is Considered Broken
- Retrieve Performance Data For Argent Forecaster Only:** (checked)
- Fail Rule If Data Is Not Available Or Nonexistent:** (checked)
- Fire Separate Events For Each Performance Instance:** (checked)
- Save Performance Data To The Argent Forecaster Using Data Store:** (default)
- Tag 1:** (empty)
- Tag 2:** (empty)
- Tag 3:** (empty)
- Post Event Even If The Same Event Is Still Outstanding (Unanswered):** (checked)
- Do So Only After:** 1 Hour 0 Minute Since Event Is Post

- **Advanced**

For the Advanced Performance Rule View option there are two Sub-rule Types available: Performance Counter and Formula Expression. All the required details for both can be specified in sub window B5A.

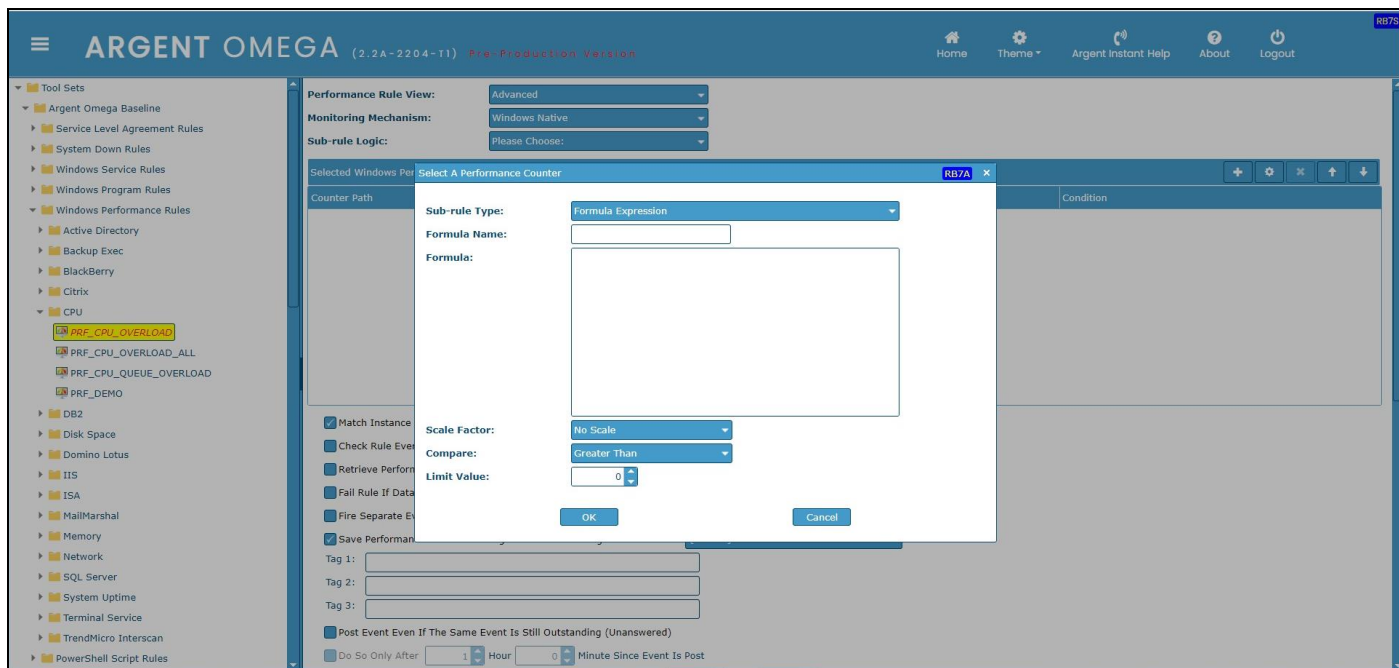
The screenshot shows the ARGENT OMEGA (2.2A-2204-11) Pre-Production Version interface. The left sidebar lists various tool sets, including CPU, DB2, Disk Space, Domino Lotus, IIS, ISA, MailMarshal, Memory, Network, SQL Server, System Uptime, Terminal Service, TrendMicro Interscan, and PowerShell Script Rules. The main panel displays the Performance Rule View configuration for the 'PRF_CPU_OVERLOAD' rule. The configuration includes:

- Performance Rule View:** Advanced
- Monitoring Mechanism:** Windows Native
- Sub-rule Logic:** Please Choose:

A sub-window titled 'Select A Performance Counter' (RB7A) is open, showing the configuration for the 'Performance Counter' sub-rule type. The configuration includes:

- Sub-rule Type:** Performance Counter
- Performance Object:** Performance Counter
- Counter:** Formula Expression
- Instance:** Include Pattern
- Algorithm:** Any
- Metric Calculation:** Get
- Scale Factor:** No Scale
- Compare:** Greater Than
- Limit Value:** 0
- Variable Name:** (empty)
- Use As Variable Only:** (checked)

Specify the required formula if choosing the Sub-rule Type “Formula Expression.”



PowerShell Script Rules

With the appropriate credentials, PowerShell Script Rules allow you to create your own custom PowerShell scripts to monitor a specific server or device.

It is also possible to save Performance Data to Argent Forecaster in PowerShell Script Rules.

Windows PowerShell (3.0 or higher) is required -- PowerShell is free of charge and executes as a standalone application (no services required)

Argent Omega provides a useful collection of built-in PowerShell Script Rules:

The screenshot displays the ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version interface. The left sidebar shows a tree view of rule categories, with 'PowerShell Script Rules' expanded and highlighted by a red box. The main panel shows a table of PowerShell Script Rules with columns for Name, Last Changed Time (UTC), and Description.

Name	Last Changed Time (UTC)	Description
PS_ACCOUNT_PASSWORD_EXPI...	02 Jun 2022 06:08:10	Find and Alert on Active Directory Users whose password has expired or about to expire
PS_ANTIVIRUS	02 Jun 2022 06:08:10	This sample Rule checks if Symantec Antivirus service is running.
PS_CERTIFICATES	02 Jun 2022 06:08:10	Get and alert on the Windows SSL Certificates from the 'Local Machine/Computer' that are about to expire (in XX days).
PS_CMD_INTERFACE	02 Jun 2022 06:08:10	This script accepts the output of any command and generates an event or saves performance data.
PS_CPU	02 Jun 2022 06:08:10	This sample Rule checks if CPU usage is high, using the PowerShell scripting language.
PS_DHCP_SCOPE_EXCEED_THR...	02 Jun 2022 06:08:10	This PowerShell script check for all Scopes Statistic on the DHCP Server. It can fire an alert when the Addresses 'In Use Percentage' reaches the Alert threshold. It can save the 'In Use Percentage' and 'Number Free' of Addresses data to Argent Predictor.
PS_DISABLED_USERS	02 Jun 2022 06:08:10	This Rule checks any Active Directory account is disabled
PS_EWS_MAILBOX_FIND_BY_S...	02 Jun 2022 06:08:10	To monitor an exchange mailbox and check for emails Alert should be generated if there is NO email received in the last xx minute subject line
PS_FILE_MODIFIED_TIME_OLDE...	02 Jun 2022 06:08:10	Monitor a Directory for Files with Modified Time older than XX Minutes and Save Argent Predictor Data for Directory File Count and the oldest file.
PS_FIND_TROJ_CRYPTWALL_D_V...	02 Jun 2022 06:08:10	A virus (TROJ_CRYPTWALL.D) has been found that creates an executable file (EXE) in the Users Profile under directory '\Users\{US NAME}\Appdata\Roaming' with a file name length of 7, the file name is random based on UID This script will find that file in any U
PS_LONG_RUNNING_PROCESS	02 Jun 2022 06:08:10	This PowerShell script connects to a remote server and populates a pre-defined processes using the win32_process class If the queried running process exceeds the set threshold in hours, an alert is generated with the process name, process ID and du Applicable to any windows system
PS_NTP_TIME_SYNC	02 Jun 2022 06:08:10	This script checks the server time of target machine is synchronized with domain controller
PS_OS_ACTIVATE_STATUS	02 Jun 2022 06:08:10	This sample Rule checks if Windows OS has been activated
PS_SHARE	02 Jun 2022 06:08:10	This Rule checks if unauthorized share is present on the target machine
PS_SLA_PORT_MULTI_NODE	02 Jun 2022 06:08:10	This script can Save Argent Predictor Data for SLA Reporting, but only saves for the node that it runs against. Therefore to save d the Rule must run against both nodes. To avoid two alerts, use the Relator - Alert - Fire Urgent Group Alert
PS_TCP_CONN_STATE_CLOSE_WAIT	02 Jun 2022 06:08:10	To get the Windows Server TCP connections count for CLOSE_WAIT state from the Active TCP Connections as seen from the syste
PS_USER_ACCOUNT_LOCKOUT	02 Jun 2022 06:08:10	Find and Alert on Active Directory Users that are Locked Out
PS_WINDOWS_FIREWALL_STATE	02 Jun 2022 06:08:10	Alert if the Windows Server - Windows Firewall State is ON (or OFF depending on setting) The Windows Server default install has i enabled and in certain environments this is not desired. Also a Group Policy change may enable Windows Firewall when not desire

To tightly integrate with PowerShell technology, Argent provides a set of Properties and Methods that extend the PowerShell script naming space.

They are conveniently available through the drop down menu by clicking the specific buttons.

The screenshot displays the ARGENT OMEGA web interface. On the left, a sidebar lists various PowerShell rules, including PS_ACCOUNT_PASSWORD_EXPIRED_AND_SOON_TO_EXPIRE, PS_ANTIVIRUS, PS_CERTIFICATES, PS_CMD_INTERFACE, PS_CPU (selected), PS_DHCP_SCOPE_EXCEED_THRESHOLD, PS_DISABLED_USERS, PS_EWS_MAILBOX_FIND_BY_SUBJECT, PS_FILE_MODIFIED_TIME_OLDER_THAN_XX_MINUTES, PS_FIND_TROJ_CRYPTWALL_D_VIRUS, PS_LONG_RUNNING_PROCESS, PS_NTP_TIME_SYNC, PS_OS_ACTIVATE_STATUS, PS_SHARE, PS_SLA_PORT_MULTI_NODE, PS_TCP_CONN_STATE_CLOSE_WAIT, PS_USER_ACCOUNT_LOCKOUT, and PS_WINDOWS_FIREWALL_STATE. Below these are folders for WMI Script Rules, LINUX Script Rules, and UNIX Script Rules, each containing sub-folders for Solaris, AIX, HP-UX, and SCO. Further down are links to Argent Compliance Automator, Argent Omega Web Defender, Argent Omega for Microsoft 365, and Argent Omega for SQL Server.

The main area shows a PowerShell script editor with a dropdown menu open, displaying a list of Properties and Methods. The dropdown menu is divided into two tabs: Properties and Methods. The Properties tab is selected, showing a list of properties including \$PSPowerShell, \$PSPowerShellVersion, \$PSPowerShellHost, \$PSPowerShellPath, \$PSPowerShellScriptName, \$PSPowerShellScriptPath, \$PSPowerShellScriptType, \$PSPowerShellScriptVersion, \$PSPowerShellScriptAuthor, \$PSPowerShellScriptDescription, \$PSPowerShellScriptKeywords, \$PSPowerShellScriptLicense, \$PSPowerShellScriptCopyright, \$PSPowerShellScriptCreated, \$PSPowerShellScriptModified, \$PSPowerShellScriptLastAccessed, \$PSPowerShellScriptSize, \$PSPowerShellScriptEncoding, \$PSPowerShellScriptHash, \$PSPowerShellScriptSignature, \$PSPowerShellScriptThumbprint, \$PSPowerShellScriptThumbprint2, \$PSPowerShellScriptThumbprint3, \$PSPowerShellScriptThumbprint4, \$PSPowerShellScriptThumbprint5, \$PSPowerShellScriptThumbprint6, \$PSPowerShellScriptThumbprint7, \$PSPowerShellScriptThumbprint8, \$PSPowerShellScriptThumbprint9, \$PSPowerShellScriptThumbprint10, \$PSPowerShellScriptThumbprint11, \$PSPowerShellScriptThumbprint12, \$PSPowerShellScriptThumbprint13, \$PSPowerShellScriptThumbprint14, \$PSPowerShellScriptThumbprint15, \$PSPowerShellScriptThumbprint16, \$PSPowerShellScriptThumbprint17, \$PSPowerShellScriptThumbprint18, \$PSPowerShellScriptThumbprint19, \$PSPowerShellScriptThumbprint20, \$PSPowerShellScriptThumbprint21, \$PSPowerShellScriptThumbprint22, \$PSPowerShellScriptThumbprint23, \$PSPowerShellScriptThumbprint24, \$PSPowerShellScriptThumbprint25, \$PSPowerShellScriptThumbprint26, \$PSPowerShellScriptThumbprint27, \$PSPowerShellScriptThumbprint28, \$PSPowerShellScriptThumbprint29, \$PSPowerShellScriptThumbprint30, \$PSPowerShellScriptThumbprint31, \$PSPowerShellScriptThumbprint32, \$PSPowerShellScriptThumbprint33, \$PSPowerShellScriptThumbprint34, \$PSPowerShellScriptThumbprint35, \$PSPowerShellScriptThumbprint36, \$PSPowerShellScriptThumbprint37, \$PSPowerShellScriptThumbprint38, \$PSPowerShellScriptThumbprint39, \$PSPowerShellScriptThumbprint40, \$PSPowerShellScriptThumbprint41, \$PSPowerShellScriptThumbprint42, \$PSPowerShellScriptThumbprint43, \$PSPowerShellScriptThumbprint44, \$PSPowerShellScriptThumbprint45, \$PSPowerShellScriptThumbprint46, \$PSPowerShellScriptThumbprint47, \$PSPowerShellScriptThumbprint48, \$PSPowerShellScriptThumbprint49, \$PSPowerShellScriptThumbprint50, \$PSPowerShellScriptThumbprint51, \$PSPowerShellScriptThumbprint52, \$PSPowerShellScriptThumbprint53, \$PSPowerShellScriptThumbprint54, \$PSPowerShellScriptThumbprint55, \$PSPowerShellScriptThumbprint56, \$PSPowerShellScriptThumbprint57, \$PSPowerShellScriptThumbprint58, \$PSPowerShellScriptThumbprint59, \$PSPowerShellScriptThumbprint60, \$PSPowerShellScriptThumbprint61, \$PSPowerShellScriptThumbprint62, \$PSPowerShellScriptThumbprint63, \$PSPowerShellScriptThumbprint64, \$PSPowerShellScriptThumbprint65, \$PSPowerShellScriptThumbprint66, \$PSPowerShellScriptThumbprint67, \$PSPowerShellScriptThumbprint68, \$PSPowerShellScriptThumbprint69, \$PSPowerShellScriptThumbprint70, \$PSPowerShellScriptThumbprint71, \$PSPowerShellScriptThumbprint72, \$PSPowerShellScriptThumbprint73, \$PSPowerShellScriptThumbprint74, \$PSPowerShellScriptThumbprint75, \$PSPowerShellScriptThumbprint76, \$PSPowerShellScriptThumbprint77, \$PSPowerShellScriptThumbprint78, \$PSPowerShellScriptThumbprint79, \$PSPowerShellScriptThumbprint80, \$PSPowerShellScriptThumbprint81, \$PSPowerShellScriptThumbprint82, \$PSPowerShellScriptThumbprint83, \$PSPowerShellScriptThumbprint84, \$PSPowerShellScriptThumbprint85, \$PSPowerShellScriptThumbprint86, \$PSPowerShellScriptThumbprint87, \$PSPowerShellScriptThumbprint88, \$PSPowerShellScriptThumbprint89, \$PSPowerShellScriptThumbprint90, \$PSPowerShellScriptThumbprint91, \$PSPowerShellScriptThumbprint92, \$PSPowerShellScriptThumbprint93, \$PSPowerShellScriptThumbprint94, \$PSPowerShellScriptThumbprint95, \$PSPowerShellScriptThumbprint96, \$PSPowerShellScriptThumbprint97, \$PSPowerShellScriptThumbprint98, \$PSPowerShellScriptThumbprint99, \$PSPowerShellScriptThumbprint100.

The script editor shows a PowerShell script that uses the \$PSPowerShell property to get the script path and then uses the \$PSPowerShellHost property to get the host name. The script also uses the \$PSPowerShellVersion property to get the PowerShell version and the \$PSPowerShellScriptName property to get the script name. The script then uses the \$PSPowerShellScriptPath property to get the script path and the \$PSPowerShellScriptType property to get the script type. The script then uses the \$PSPowerShellScriptVersion property to get the script version and the \$PSPowerShellScriptAuthor property to get the script author. The script then uses the \$PSPowerShellScriptDescription property to get the script description and the \$PSPowerShellScriptKeywords property to get the script keywords. The script then uses the \$PSPowerShellScriptLicense property to get the script license and the \$PSPowerShellScriptCopyright property to get the script copyright. The script then uses the \$PSPowerShellScriptCreated property to get the script creation date and the \$PSPowerShellScriptModified property to get the script modification date. The script then uses the \$PSPowerShellScriptLastAccessed property to get the script last accessed date and the \$PSPowerShellScriptSize property to get the script size. The script then uses the \$PSPowerShellScriptEncoding property to get the script encoding and the \$PSPowerShellScriptHash property to get the script hash. The script then uses the \$PSPowerShellScriptSignature property to get the script signature and the \$PSPowerShellScriptThumbprint property to get the script thumbprint. The script then uses the \$PSPowerShellScriptThumbprint2 property to get the script thumbprint 2 and the \$PSPowerShellScriptThumbprint3 property to get the script thumbprint 3. The script then uses the \$PSPowerShellScriptThumbprint4 property to get the script thumbprint 4 and the \$PSPowerShellScriptThumbprint5 property to get the script thumbprint 5. The script then uses the \$PSPowerShellScriptThumbprint6 property to get the script thumbprint 6 and the \$PSPowerShellScriptThumbprint7 property to get the script thumbprint 7. The script then uses the \$PSPowerShellScriptThumbprint8 property to get the script thumbprint 8 and the \$PSPowerShellScriptThumbprint9 property to get the script thumbprint 9. The script then uses the \$PSPowerShellScriptThumbprint10 property to get the script thumbprint 10 and the \$PSPowerShellScriptThumbprint11 property to get the script thumbprint 11. The script then uses the \$PSPowerShellScriptThumbprint12 property to get the script thumbprint 12 and the \$PSPowerShellScriptThumbprint13 property to get the script thumbprint 13. The script then uses the \$PSPowerShellScriptThumbprint14 property to get the script thumbprint 14 and the \$PSPowerShellScriptThumbprint15 property to get the script thumbprint 15. The script then uses the \$PSPowerShellScriptThumbprint16 property to get the script thumbprint 16 and the \$PSPowerShellScriptThumbprint17 property to get the script thumbprint 17. The script then uses the \$PSPowerShellScriptThumbprint18 property to get the script thumbprint 18 and the \$PSPowerShellScriptThumbprint19 property to get the script thumbprint 19. The script then uses the \$PSPowerShellScriptThumbprint20 property to get the script thumbprint 20 and the \$PSPowerShellScriptThumbprint21 property to get the script thumbprint 21. The script then uses the \$PSPowerShellScriptThumbprint22 property to get the script thumbprint 22 and the \$PSPowerShellScriptThumbprint23 property to get the script thumbprint 23. The script then uses the \$PSPowerShellScriptThumbprint24 property to get the script thumbprint 24 and the \$PSPowerShellScriptThumbprint25 property to get the script thumbprint 25. The script then uses the \$PSPowerShellScriptThumbprint26 property to get the script thumbprint 26 and the \$PSPowerShellScriptThumbprint27 property to get the script thumbprint 27. The script then uses the \$PSPowerShellScriptThumbprint28 property to get the script thumbprint 28 and the \$PSPowerShellScriptThumbprint29 property to get the script thumbprint 29. The script then uses the \$PSPowerShellScriptThumbprint30 property to get the script thumbprint 30 and the \$PSPowerShellScriptThumbprint31 property to get the script thumbprint 31. The script then uses the \$PSPowerShellScriptThumbprint32 property to get the script thumbprint 32 and the \$PSPowerShellScriptThumbprint33 property to get the script thumbprint 33. The script then uses the \$PSPowerShellScriptThumbprint34 property to get the script thumbprint 34 and the \$PSPowerShellScriptThumbprint35 property to get the script thumbprint 35. The script then uses the \$PSPowerShellScriptThumbprint36 property to get the script thumbprint 36 and the \$PSPowerShellScriptThumbprint37 property to get the script thumbprint 37. The script then uses the \$PSPowerShellScriptThumbprint38 property to get the script thumbprint 38 and the \$PSPowerShellScriptThumbprint39 property to get the script thumbprint 39. The script then uses the \$PSPowerShellScriptThumbprint40 property to get the script thumbprint 40 and the \$PSPowerShellScriptThumbprint41 property to get the script thumbprint 41. The script then uses the \$PSPowerShellScriptThumbprint42 property to get the script thumbprint 42 and the \$PSPowerShellScriptThumbprint43 property to get the script thumbprint 43. The script then uses the \$PSPowerShellScriptThumbprint44 property to get the script thumbprint 44 and the \$PSPowerShellScriptThumbprint45 property to get the script thumbprint 45. The script then uses the \$PSPowerShellScriptThumbprint46 property to get the script thumbprint 46 and the \$PSPowerShellScriptThumbprint47 property to get the script thumbprint 47. The script then uses the \$PSPowerShellScriptThumbprint48 property to get the script thumbprint 48 and the \$PSPowerShellScriptThumbprint49 property to get the script thumbprint 49. The script then uses the \$PSPowerShellScriptThumbprint50 property to get the script thumbprint 50 and the \$PSPowerShellScriptThumbprint51 property to get the script thumbprint 51. The script then uses the \$PSPowerShellScriptThumbprint52 property to get the script thumbprint 52 and the \$PSPowerShellScriptThumbprint53 property to get the script thumbprint 53. The script then uses the \$PSPowerShellScriptThumbprint54 property to get the script thumbprint 54 and the \$PSPowerShellScriptThumbprint55 property to get the script thumbprint 55. The script then uses the \$PSPowerShellScriptThumbprint56 property to get the script thumbprint 56 and the \$PSPowerShellScriptThumbprint57 property to get the script thumbprint 57. The script then uses the \$PSPowerShellScriptThumbprint58 property to get the script thumbprint 58 and the \$PSPowerShellScriptThumbprint59 property to get the script thumbprint 59. The script then uses the \$PSPowerShellScriptThumbprint60 property to get the script thumbprint 60 and the \$PSPowerShellScriptThumbprint61 property to get the script thumbprint 61. The script then uses the \$PSPowerShellScriptThumbprint62 property to get the script thumbprint 62 and the \$PSPowerShellScriptThumbprint63 property to get the script thumbprint 63. The script then uses the \$PSPowerShellScriptThumbprint64 property to get the script thumbprint 64 and the \$PSPowerShellScriptThumbprint65 property to get the script thumbprint 65. The script then uses the \$PSPowerShellScriptThumbprint66 property to get the script thumbprint 66 and the \$PSPowerShellScriptThumbprint67 property to get the script thumbprint 67. The script then uses the \$PSPowerShellScriptThumbprint68 property to get the script thumbprint 68 and the \$PSPowerShellScriptThumbprint69 property to get the script thumbprint 69. The script then uses the \$PSPowerShellScriptThumbprint70 property to get the script thumbprint 70 and the \$PSPowerShellScriptThumbprint71 property to get the script thumbprint 71. The script then uses the \$PSPowerShellScriptThumbprint72 property to get the script thumbprint 72 and the \$PSPowerShellScriptThumbprint73 property to get the script thumbprint 73. The script then uses the \$PSPowerShellScriptThumbprint74 property to get the script thumbprint 74 and the \$PSPowerShellScriptThumbprint75 property to get the script thumbprint 75. The script then uses the \$PSPowerShellScriptThumbprint76 property to get the script thumbprint 76 and the \$PSPowerShellScriptThumbprint77 property to get the script thumbprint 77. The script then uses the \$PSPowerShellScriptThumbprint78 property to get the script thumbprint 78 and the \$PSPowerShellScriptThumbprint79 property to get the script thumbprint 79. The script then uses the \$PSPowerShellScriptThumbprint80 property to get the script thumbprint 80 and the \$PSPowerShellScriptThumbprint81 property to get the script thumbprint 81. The script then uses the \$PSPowerShellScriptThumbprint82 property to get the script thumbprint 82 and the \$PSPowerShellScriptThumbprint83 property to get the script thumbprint 83. The script then uses the \$PSPowerShellScriptThumbprint84 property to get the script thumbprint 84 and the \$PSPowerShellScriptThumbprint85 property to get the script thumbprint 85. The script then uses the \$PSPowerShellScriptThumbprint86 property to get the script thumbprint 86 and the \$PSPowerShellScriptThumbprint87 property to get the script thumbprint 87. The script then uses the \$PSPowerShellScriptThumbprint88 property to get the script thumbprint 88 and the \$PSPowerShellScriptThumbprint89 property to get the script thumbprint 89. The script then uses the \$PSPowerShellScriptThumbprint90 property to get the script thumbprint 90 and the \$PSPowerShellScriptThumbprint91 property to get the script thumbprint 91. The script then uses the \$PSPowerShellScriptThumbprint92 property to get the script thumbprint 92 and the \$PSPowerShellScriptThumbprint93 property to get the script thumbprint 93. The script then uses the \$PSPowerShellScriptThumbprint94 property to get the script thumbprint 94 and the \$PSPowerShellScriptThumbprint95 property to get the script thumbprint 95. The script then uses the \$PSPowerShellScriptThumbprint96 property to get the script thumbprint 96 and the \$PSPowerShellScriptThumbprint97 property to get the script thumbprint 97. The script then uses the \$PSPowerShellScriptThumbprint98 property to get the script thumbprint 98 and the \$PSPowerShellScriptThumbprint99 property to get the script thumbprint 99. The script then uses the \$PSPowerShellScriptThumbprint100 property to get the script thumbprint 100.

WMI Script Rules

WMI Script Rules allow you to create your own custom WMI scripts to monitor a specific server or device.

It is also possible to save Performance Data to Argent Forecaster in WMI Script Rules.

Argent Omega provides bundle of built-in WMI Script Rules:

ARGENT OMEGA (2.2A-2204-T1) Pre-Production Version			Home	Theme	Argent Instant Help	About	Logout
WMI Script Rules			Search	Refresh	Add New	Delete	
WMI_APPLICATION_POOL_STATUS			Name	Last Changed Time (UTC)	Description		
WMI_CITRIX_LICENSE_USAGE			WMI_APPLICATION_POOL_STAT...	02 Jun 2022 06:08:10	This Rule checks status of web application pools.		
WMI_CLUSGROUP_STATE_FAILED			WMI_CITRIX_LICENSE_USAGE	02 Jun 2022 06:08:10	Sample WMI Rule installed by Argent Omega		
WMI_CLUSGROUP_STATE_NOT_ONLINE			WMI_CLUSGROUP_STATE_FAILED	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster group fails		
WMI_CLUSGROUP_STATE_OFFLINE			WMI_CLUSGROUP_STATE_NOT...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster group is not online		
WMI_CLUSGROUP_STATE_PARTIAL_ONLINE			WMI_CLUSGROUP_STATE_OFFLI...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster group is offline		
WMI_CLUSGROUP_STATE_PENDING			WMI_CLUSGROUP_STATE_PARTI...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster group is partial online		
WMI_CLUSGROUP_STATE_UNKNOWN			WMI_CLUSGROUP_STATE_PEND...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster group is pending		
WMI_CLUSNETWORK_STATE_DOWN			WMI_CLUSGROUP_STATE_UNKN...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster group is in unknown state		
WMI_CLUSNETWORK_STATE_NOTAVAILABLE			WMI_CLUSNETWORK_STATE_D...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster network is down		
WMI_CLUSNETWORK_STATE_NOT_UP			WMI_CLUSNETWORK_STATE_NO...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster network is not available		
WMI_CLUSNETWORK_STATE_PARTITIONED			WMI_CLUSNETWORK_STATE_NO...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster network is not up		
WMI_CLUSNETWORK_STATE_UNKNOWN			WMI_CLUSNETWORK_STATE_PA...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster network is partitioned		
WMI_CLUSNODE_STATE_DOWN			WMI_CLUSNETWORK_STATE_UN...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster network is in unknown state		
WMI_CLUSNODE_STATE_JOINING			WMI_CLUSNODE_STATE_DOWN	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster node is down		
WMI_CLUSNODE_STATE_NOT_UP			WMI_CLUSNODE_STATE_JOINING	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster node is joining		
WMI_CLUSNODE_STATE_PAUSED			WMI_CLUSNODE_STATE_NOT_UP	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster node is not up		
WMI_CLUSNODE_STATE_UNKNOWN			WMI_CLUSNODE_STATE_PAUSED	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster node is paused		
WMI_CLUSNWINS_STATE_FAILED			WMI_CLUSNODE_STATE_UNKNO...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster node is in unknown state		
WMI_CLUSNWINS_STATE_NOTAVAILABLE			WMI_CLUSNWINS_STATE_FAILED	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster network interface is failed		
WMI_CLUSNWINS_STATE_UNREACHABLE			WMI_CLUSNWINS_STATE_NOTA...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster network interface is unavailable		
WMI_CLUSRES_STATE_FAILED			WMI_CLUSNWINS_STATE_UNKN...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster network interface is in unknown state		
WMI_CLUSRES_STATE_OFFLINE			WMI_CLUSNWINS_STATE_UNRE...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster network interface is unreachable		
WMI_CLUSRES_STATE_UNKNOWN			WMI_CLUSRES_STATE_FAILED	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster resource is failed		
WMI_HIGH_CPU_PROCESS			WMI_CLUSRES_STATE_OFFLINE	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster resource is offline		
WMI_HIGH_MEM_RUNDLL			WMI_CLUSRES_STATE_UNKNO...	02 Jun 2022 06:08:10	This Rule is broken if the monitored cluster resource is in unknown state		
WMI_MULTISERVER_PING			WMI_HIGH_CPU_PROCESS	02 Jun 2022 06:08:10	Sample WMI Rule installed by Argent Omega		
WMI_RST_AD_REPLICATION			WMI_HIGH_MEM_RUNDLL	02 Jun 2022 06:08:10	Sample WMI Rule installed by Argent Omega		
WMI_RST_FILE_REPLICATION			WMI_MULTISERVER_PING	02 Jun 2022 06:08:10	Sample WMI Rule installed by Argent Omega		
WMI_SUB_FOLDERS_COUNT			WMI_RST_AD_REPLICATION	02 Jun 2022 06:08:10	This Rule modifies a property of selected AD object on the monitored domain control, then it checks when the change is replicated to other domain controls. It saves the time needed for the replication to Argent Predictor database. It fires alert if the time exceeds the threshold.		
LINUX Script Rules			WMI_RST_FILE_REPLICATION	02 Jun 2022 06:08:10	This Rule creates a test file on SYSVOL share of the monitored domain control, then it checks when the change is replicated to other domain controls.		

WMI Script Rules permit extremely flexible monitoring because the monitoring is accomplished through a custom VBScript.

What makes WMI Rules so powerful and useful is their ability to run any WMI script.

WMI Rules can be used in the following situations:

- The monitored object is only exposed through a WMI interface. This is becoming more common as Microsoft pushes WMI technology.
- The monitoring logic needed is very complicated, making use of existing Rule-types difficult.
- A third-party product exposes its programming interface through ActiveX objects.

To tightly integrate with WMI technology, Argent Omega provides a set of Properties and Methods that extend the VBScript naming space.

They are conveniently available through the drop-down menu by clicking the specific buttons.

The screenshot shows the Argent Omega interface with the 'WMI Script Rules' panel on the left and the 'WMI Script' editor on the right. The 'Properties' tab is selected in the 'WMI Script' editor, displaying a list of properties. A red box highlights the 'Properties' tab and the list of properties.

Properties	Methods
TargetServer	The name of server that the rule is run against (Read-only)
AGClusterName	Cluster name (Read-only)
AGClusterObject	Cluster object internal name (Read-only)
AGNodeAlias	Node alias (Read-only)
RuleName	Rule Name (Read-only)
NodeParam	Node Property (Read-only)
Param	Parameter (Read-only)

The screenshot shows the Argent Omega interface with the 'WMI Script Rules' panel on the left and the 'WMI Script' editor on the right. The 'Methods' tab is selected in the 'WMI Script' editor, displaying a list of methods. A red box highlights the 'Methods' tab and the list of methods.

Properties	Methods
FireEvent	Register an event to be fired
DoMessage	Show a network message
WriteStatus	Log Text into Service Log
SavePredictor	Save predictor data
IsCancelled	Check if user abort the script

UNIX Script Rules

Unix servers often run your most critical applications. Why? Because of the stability that Unix offers. But, let's be honest. Unix is complicated. The stability Unix provides exists because the underlying operating system is far more complex.

Thankfully, Argent automates even the most complicated application monitoring routines.

Applications running on Unix servers are monitored using a script-based system that is both flexible and popular with Unix administrators.

Unix Rules exist for all the popular platforms, including:

- RedHat
- Solaris
- HP-UX
- AIX
- SCO

The screenshot shows the ARGENT OMEGA (2.2A-2210-A) web interface. The top navigation bar includes links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar contains a tree view of tool sets, with 'UNIX Script Rules' highlighted in a red box. The main content area displays a table with columns 'Name' and 'Description', listing Solaris, AIX, HP-UX, and SCO.

Name	Description
Solaris	
AIX	
HP-UX	
SCO	

There are two types of monitoring scripts:

- Threshold Based, Alerting Rules.
- Argent Predictor Based, Trend Analysis Rules, identified by the 'PDT' in the name.

LINUX Script Rules

UNIX Script Rules

Solaris

SCP_SUNOS_CPU_OVERLOAD

SCP_SUNOS_CPU_USAGE_10

SCP_SUNOS_DAEMON_LPSCHED

SCP_SUNOS_DAEMON_NFS_BIOD

SCP_SUNOS_DAEMON_NFS_LOCKD

SCP_SUNOS_DAEMON_NFS_MOUNTD

SCP_SUNOS_DAEMON_NFS_NFSD

SCP_SUNOS_DAEMON_NFS_STATD

SCP_SUNOS_DEMO

SCP_SUNOS_DISK_SPACE_10

SCP_SUNOS_DISK_SPACE_20

SCP_SUNOS_FREE_MEMORY_64M

SCP_SUNOS_LOADAVG_1MIN

SCP_SUNOS_MAX_USERS

SCP_SUNOS_MEMORY_SHORTAGE

SCP_SUNOS_ORACLE_DATABASE

SCP_SUNOS_ORACLE_PROCESS

SCP_SUNOS_OS_LEVEL

SCP_SUNOS_PDT_CPU_LOAD

SCP_SUNOS_PDT_CPU_UTIL

SCP_SUNOS_PDT_DISK_FREE

SCP_SUNOS_PDT_DISK_UTIL

SCP_SUNOS_PDT_FREE_MEMORY

SCP_SUNOS_PDT_FS_CAPACITY

SCP_SUNOS_PDT_NET_COLL

SCP_SUNOS_PDT_NET_PKTS

SCP_SUNOS_PDT_ORACLE_USER_PROC

SCP_SUNOS_PDT_RUN_PROCS

SCP_SUNOS_PDT_SLEEP_PROCS

Name	Description
Solaris	
AIX	
HP-UX	
SCO	

ABG859_Argent_Omega_Baseline_C.doc