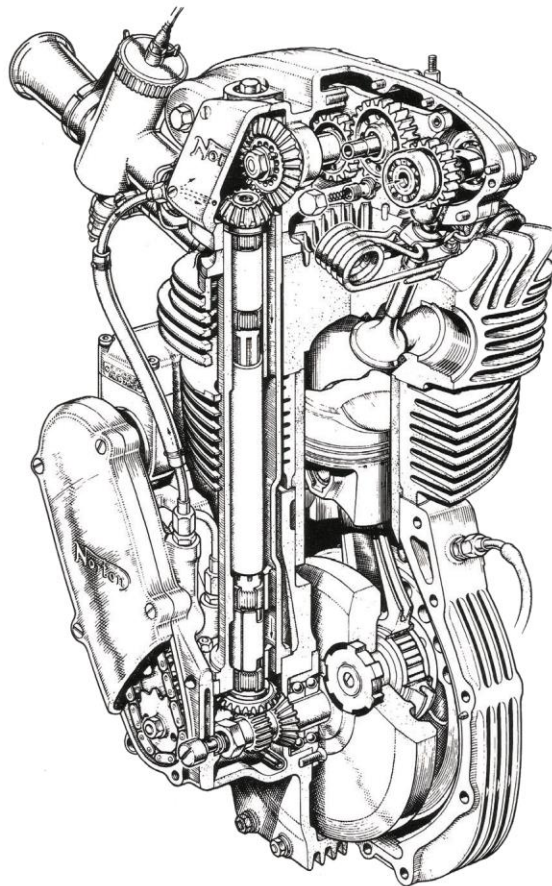


# Argent for Microsoft 365



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## Introduction

For reliable operation, it is essential to ensure that all Microsoft 365 functions and services are operating correctly; Argent Omega for Microsoft 365 automates the monitoring and management of Microsoft 365.

Argent Omega for Microsoft 365 tool sets provides a clear and detailed view into the health of every component of your **Microsoft** 365 infrastructure, including license details, service health, endpoint status, etc. Argent Omega for Microsoft 365 also checks facilities such as Exchange Online, SharePoint Online, Microsoft Team storage, OneDrive usage, etc.

## Prerequisites To Run Microsoft 365 Rules

1. PowerShell 5.1 or later should be installed in the Generator.
2. Install the following PowerShell modules in the Generator:
  - ExchangeOnlineManagement (Version 2.0.4).
  - AzureAD (Version 2.0.2.76).
  - SharePointPnPPowerShellOnline (Version 3.29.2101.0)
  - MicrosoftTeams (Version 1.0.3)
3. .NET Framework Runtime 4.8 or above should be installed in the Generator.
4. Enterprise App authenticates using Certificate. (Client Secret should not be used).

Argent Omega requires Microsoft Azure Active Directory authentication to access Microsoft 365 facilities such as Exchange Online, SharePoint Online, Microsoft Team storage, OneDrive usage, etc.

Credentials are used by Argent Omega to authenticate as itself, requiring no interaction from a user at runtime. Azure Active Directory allows both certificates and client secrets (a string) as credentials to the confidential client app registration. While client secrets can easily be created in the Azure portal, it is better to use a certificate.

## Install PowerShell Modules

Before installing PowerShell Modules, set the security protocol to **TLS 1.2**. The command to add security protocol in PowerShell is written below–

```
[Net.ServicePointManager]::SecurityProtocol = [Net.SecurityProtocolType]::Tls12
```

Below are the commands to install PowerShell Modules -

- **ExchangeOnlineManagement**

```
Install-Module -Name ExchangeOnlineManagement -RequiredVersion 2.0.4
```

- **AzureAD**

```
Install-Module -Name AzureAD -RequiredVersion 2.0.2.76
```

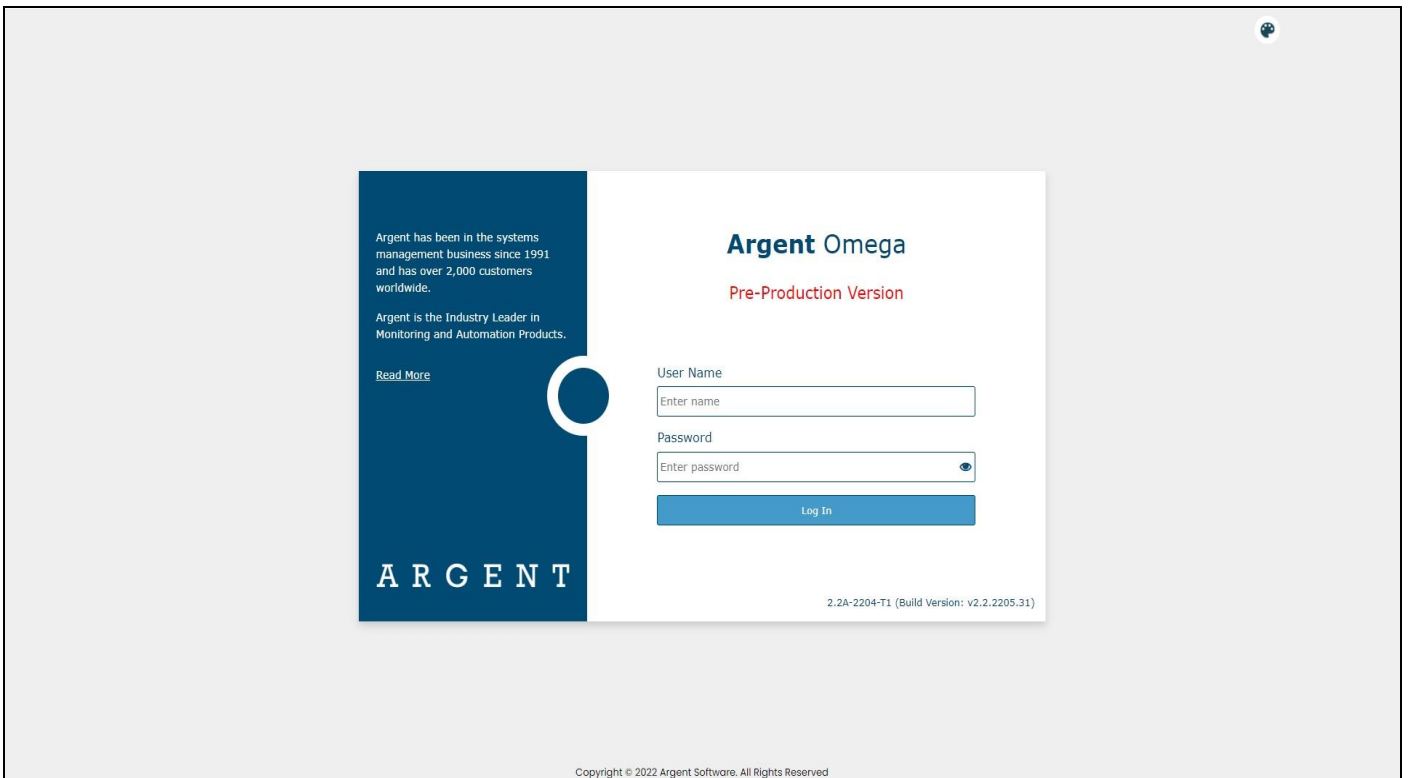
- **SharePointPnPPowerShellOnline**

```
Install-Module -Name SharePointPnPPowerShellOnline -RequiredVersion 3.29.2101.0
```

- **MicrosoftTeams**

```
Install-Module -Name MicrosoftTeams -RequiredVersion 1.0.3
```

## 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. With Windows user accounts, the best approach is to create a separate user group for Windows users and assign the required rights.

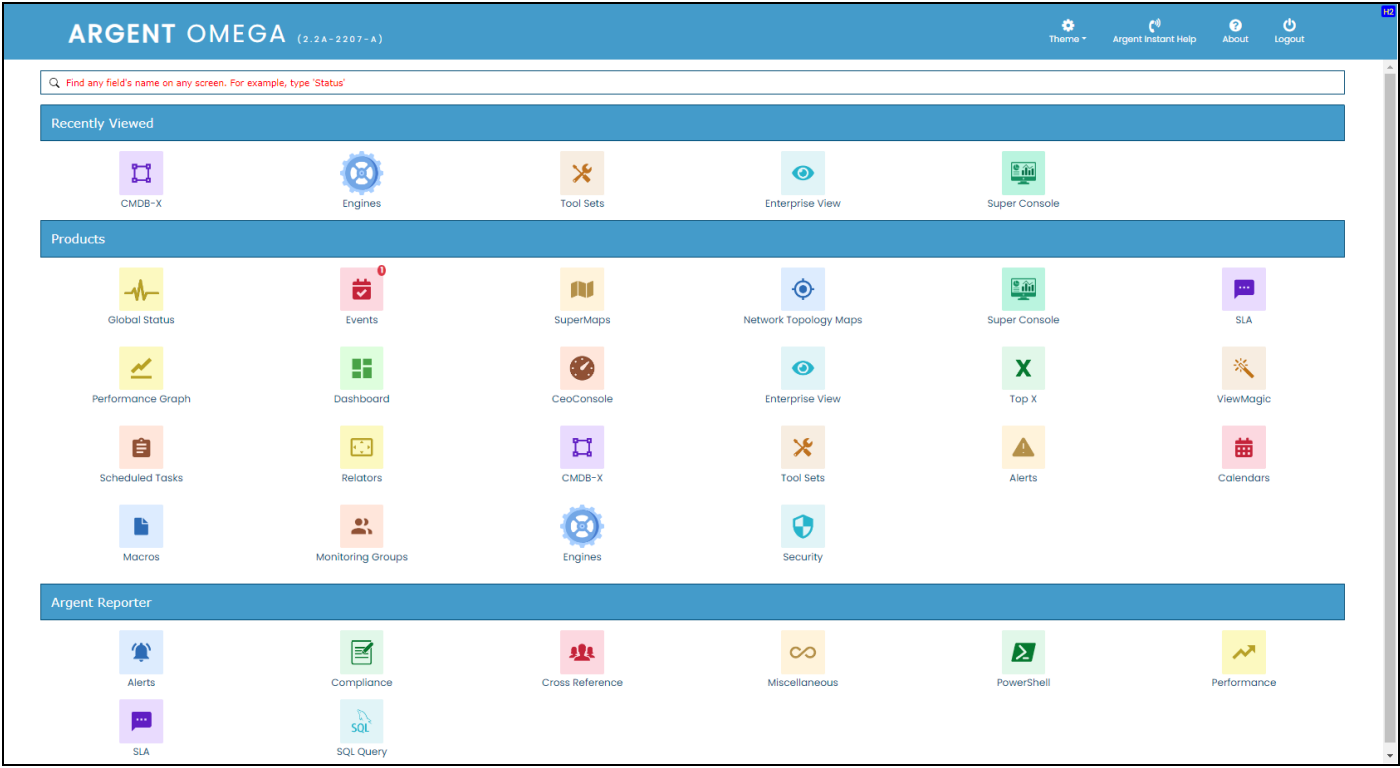
Demo accounts can be created in the **Argent Omega Security** section and are used for demonstration purposes. Demo accounts are read-only accounts and use Argent private authentication to log into Argent Omega. Demo accounts are usually only used temporarily for initial training and are limited to a 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

The Argent Omega home screen will be displayed after login:



## Microsoft 365 Service Unit Credentials

Before running Microsoft 365 Rule, configure the following highlighted Microsoft 365 Unit credentials in the CMD-B-X screen:

ARGENT OMEGA (2.2A-2207-A)

HomeThemeArgent Instant HelpAboutLogout

SearchServer Or DeviceNetwork GroupScan NetworkProperties

Network Group Or Machine	Type	Alias	Licensed	Suspend	Location	Contact
▶ Demo Group	Network Group					
▼ First Network Group	Network Group				MUMBAI	
192.168.108.97	Linux/UNIX		Yes		MUMBAI	
192.168.111.1	IP Device		Yes		MUMBAI	
192.168.111.18	IP Device				MUMBAI	
192.168.111.2	IP Device		Yes		MUMBAI	
192.168.111.3	IP Device		Yes		MUMBAI	
192.168.111.4	IP Device	APC_UPS_003	Yes		MUMBAI	
192.168.111.5	IP Device		Yes			
192.168.37.1	IP Device		Yes		MUMBAI	
AI-2019-009	Windows Server		Yes		MUMBAI	
AI-MFC-102-W10	Windows 10 Pro		Yes			
ARGENT	URL Object		Yes		MUMBAI	
AUWINCF501	IP Device	Winnellie FS			Brisbane	
DND-MFC-SQL	Windows Server		Yes		MUMBAI	
FTP	FTP Object		Yes		MUMBAI	
FTP_1	FTP Object		Yes		MUMBAI	
POP	Mail Object				MUMBAI	
SMTP_1	Mail Object		Yes		MUMBAI	
TEST_365	Microsoft 365 Service Unit		Yes		MUMBAI	
ARG-365	Microsoft 365 Service Unit				MUMBAI	

Group/Key

Value

Name

ARG-365

Licensed Products

Alias

▼ Microsoft 365 Service Unit

Administrator

Application Id

Directory or Tenant Id

Certificate Thumbprint

Organization

SharePoint Url

SKU

Licensed Units

▶ TCP Parameters

System Info Caching Minutes

720

Monitoring Level

Normal

Tier

Not Specified

▶ Tag

Location

MUMBAI

Contact

Owner Accounts

Display Options

Refresh

Group/Key

Value

Show Objects

All

Network Group

\*

Monitoring Group

\*

Type

\*

After configuring Microsoft 365, select **Test Connectivity** from right click menu or click  from properties:

ARGENT OMEGA (2.2A-2207-A)

HomeThemeArgent Instant HelpAboutLogout

SearchServer Or DeviceNetwork GroupScan NetworkProperties

Network Group Or Machine	Type	Alias	Licensed	Suspend	Location	Contact
▶ Demo Group	Network Group					
▼ First Network Group	Network Group				MUMBAI	
192.168.108.97	Linux/UNIX		Yes		MUMBAI	
192.168.111.1	IP Device		Yes		MUMBAI	
192.168.111.18	IP Device				MUMBAI	
192.168.111.2	IP Device		Yes		MUMBAI	
192.168.111.3	IP Device		Yes		MUMBAI	
192.168.111.4	IP Device	APC_UPS_003	Yes		MUM	
192.168.111.5	IP Device		Yes			
192.168.37.1	IP Device		Yes		MUM	
AI-2019-009	Windows Server		Yes		MUM	
AI-MFC-102-W10	Windows 10 Pro		Yes			
ARGENT	URL Object		Yes		MUM	
AUWINCF501	IP Device	Winnellie FS			Brisb	
DND-MFC-SQL	Windows Server		Yes		MUM	
FTP	FTP Object		Yes		MUM	
FTP_1	FTP Object		Yes		MUM	
POP	Mail Object				MUM	
SMTP_1	Mail Object		Yes		MUM	
TEST_365	Microsoft 365 Service Unit		Yes		MUM	
ARG-365	Microsoft 365 Service Unit				MUM	

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 CMD-B-X Database

Restore

Group/Key

Value

Name

ARG-365

Licensed Products

Alias

▼ Microsoft 365 Service Unit

Administrator

Application Id

Directory or Tenant Id

Certificate Thumbprint

Organization

SharePoint Url

SKU

Licensed Units

▶ TCP Parameters

System Info Caching Minutes

720

Monitoring Level

Normal

Tier

Not Specified

▶ Tag

Location

MUMBAI

Contact

Owner Accounts

Display Options

Refresh

Group/Key

Value

Show Objects

All

Network Group

\*

Monitoring Group

\*

Type

\*



This is an example of a successful Connectivity Test Result:

Connectivity Test Results

Test At: AI-2019-009

Test Time: Fri, 03 Jun 2022 05:51:58 (UTC)

05:51:58 - Test 1: Access of Azure Active Directory  
05:51:58 - PowerShell Module 'AzureAD' (Version: 2.0.2.140)  
05:52:01 - [VALID] Registered App has roles: Global Administrator,Application Administrator,Directory Readers,Exchange Administrator  
05:52:02 - Found Azure Domains: argsoftdev.com,argsoftdev.onmicrosoft.com  
05:52:02 - \*\*\* WARNING \*\*\* Failed to determined Microsoft 365 License information

05:52:02 - Test 2: Access of Exchange Online  
05:52:03 - PowerShell Module: ExchangeOnlineManagement (2.0.5)  
05:52:19 - [VALID] Matched SharePoint URL: https://argsoftdev.sharepoint.com

05:52:19 - Test 3: Access of SharePoint Online  
05:52:20 - PowerShell Module: SharePointPnPPowerShellOnline (3.29.2101.0)  
05:52:23 - [VALID]

05:52:23 - Test 4: Access of Microsoft Teams  
05:52:23 - Found installed PowerShell Module 'MicrosoftTeams' (Version: 2.0.0)  
05:52:30 - [VALID]

Print

Close

## Tool Sets For Argent Omega for Microsoft 365

Argent Omega provides a bundle of Rules to monitor a Microsoft 365 cloud platform.

The Rules are categorized into the following classes:

### **System Management Rules**

Checks the health of Microsoft 365 services and provides alerts on errors. Argent Omega for Microsoft 365 provides built-in Rules to alert when a subscription license is about to expire, when there is a critical message in Message Center, etc.

### **Service Connectivity Rules**

Monitors the availability status and performance of Microsoft 365 services

### **Exchange Online**

Monitors different performance metrics of Exchange Online service

### **SharePoint Online**

Monitors different performance metrics of SharePoint Online service

### **Team Storage Usage Rule**

Monitors storage usage of Team SharePoint site

### **OneDrive Personal Usage Rule**

Monitors storage usage of Personal SharePoint site

## Argent Omega Rules

The following section contains the detailed description of Argent Omega Rules to monitor critical Microsoft 365 services.

## System Management Rules

System Management section consists of three categories of Rules, namely:

- Service Health Rule
- Message Center Rule
- Expiring License Rule

The screenshot displays the Argent Omega web application interface. The top navigation bar includes the 'ARGENT OMEGA' logo with version '(2.2A - 2207 - A)', and links for Home, Theme, Argent Instant Help, About, and Logout. A left-hand sidebar contains a tree view of tool sets, with 'Argent Omega for Microsoft 365' expanded to show 'System Management' rules, which are highlighted with a red box. The main content area features a search bar and a table of rules.

Name	Description
System Management	
Service Connectivity Rules	
Exchange Online	
SharePoint Online	
Team Storage Usage Rules	
OneDrive Personal Usage Rules	
Microsoft 365 PowerShell Script Rules	

## Service Health Rules

This section contains Rules to monitor the health of critical Microsoft 365 services, such as Exchange Online, SharePoint Online, OneDrive for Business, Microsoft Teams, Skype for Business, etc.

**ARGENT OMEGA** (2.2A-2207-A)

Home Theme Argent Instant Help About Logout

**Tool Sets**

- Argent Omega Baseline
- Argent Compliance Automator
- Argent Omega Web Defender
- Argent Omega for Microsoft 365
  - System Management
    - Service Health Rule
      - SH\_ALL\_NORMAL**
      - SH\_ALL\_NORMAL\_IGNORE\_DEGRADATION
      - SH\_EXCHANGE\_ONLINE\_NORMAL
      - SH\_MICROSOFT\_365\_PORTAL\_NORMAL
      - SH\_ONEDRIVE\_NORMAL
      - SH\_SHAREPOINT\_ONLINE\_NORMAL
      - SH\_SKYPE\_NORMAL
      - SH\_TEAM\_NORMAL
- Message Center Rule
- Expiring License Rule
- Service Connectivity Rules
- Exchange Online
- SharePoint Online
- Team Storage Usage Rules
- OneDrive Personal Usage Rules
- Microsoft 365 PowerShell Script Rules
- Argent Omega for SNMP
- Argent Omega for SQL Server

- Alerts
- Monitoring Groups
- Relators
- Macros
- Calendars
- Administration

**Notify If Any Service Is Not In Normal Status**

Service Name Pattern:  \*

☐ Use Regular Expression

Ignore Service Status:

☒ Notify If Failed To Connect Office 365 Service Or Runtime Errors Happen

☒ 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  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:**

**Reference URL:**

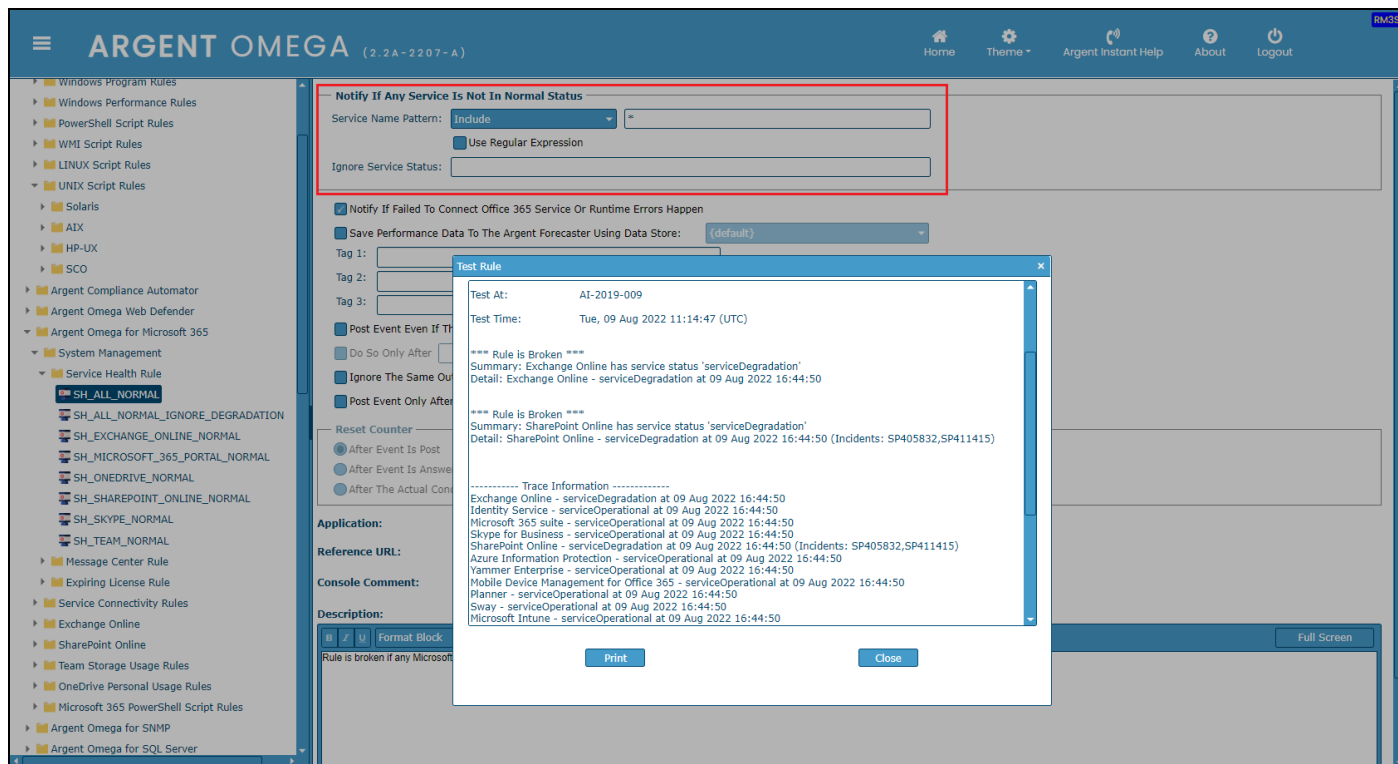
**Console Comment:**

**Description:**

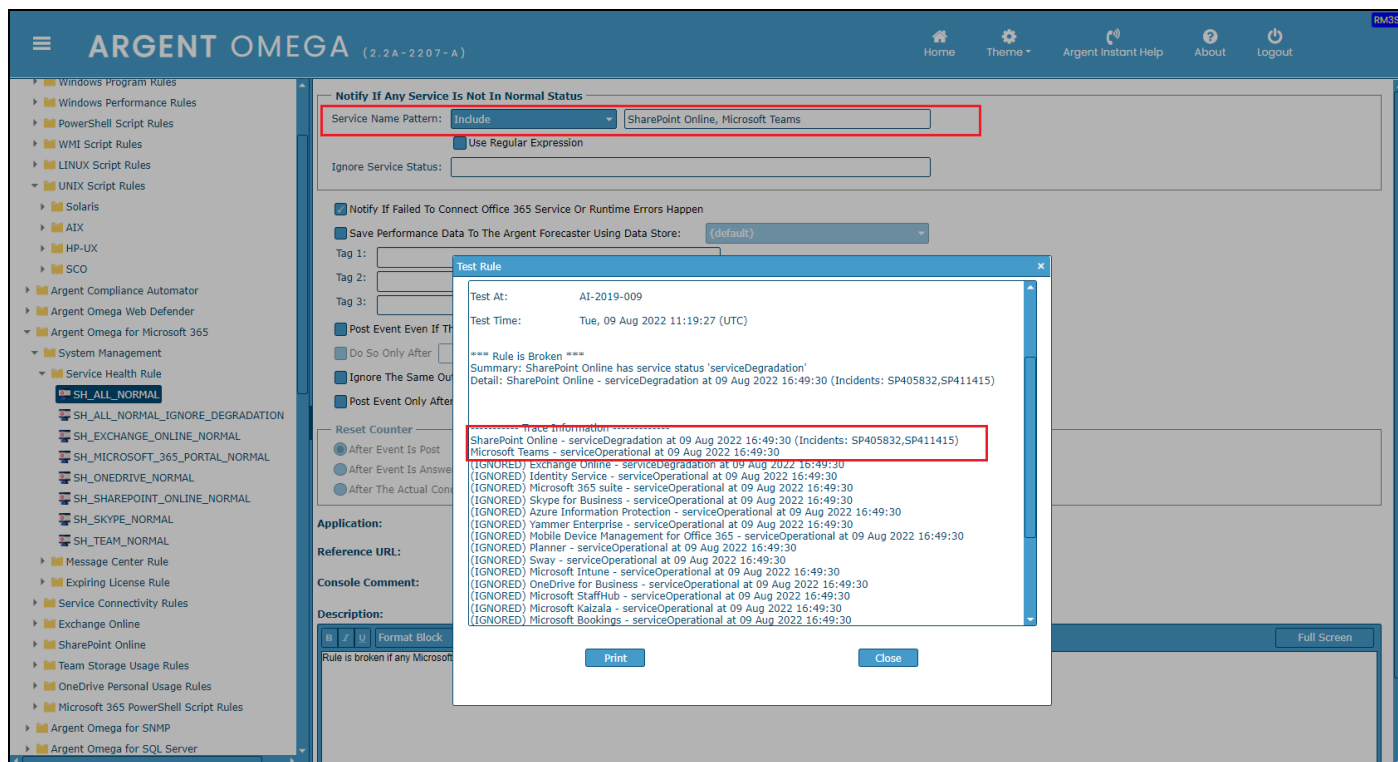
Rule is broken if any Microsoft 365 service is not in normal state

Full Screen

In **Notify If Any Service Is Not In Normal Status** block, specify the service name so that it will alert if the specified service is not in normal state. **There is an option to Use Regular Expression in the service name.** Include or Exclude Service name to check status. Specify “\*” to check the status of all available Microsoft 365 services.



Also you can check the status of specific services:



To ignore the status checking of specific services, configure the Rule like below:

The screenshot shows the ARGENT OMEGA (2.2A-2207-A) interface. On the left is a sidebar with a tree view of rules. The main panel is titled 'Notify If Any Service Is Not In Normal Status'. It has a 'Service Name Pattern' dropdown set to 'Exclude' with the text 'Exchange Online, OneDrive for Business' entered. Below this is a 'Use Regular Expression' checkbox and an 'Ignore Service Status' input field. A checkbox 'Notify If Failed To Connect Office 365 Service Or Runtime Errors Happen' is checked. There are fields for 'Tag 1', 'Tag 2', and 'Tag 3'. A 'Test Rule' dialog box is open in the center, displaying a message: '\*\*\* Rule is Broken \*\*\* Summary: SharePoint Online has service status 'serviceDegradation' Detail: SharePoint Online - serviceDegradation at 09 Aug 2022 16:56:52 (Incidents: SP405832,SP411415)'. It also shows a list of services and their status, such as 'Identity Service - serviceOperational', 'Microsoft 365 suite - serviceOperational', 'Skype for Business - serviceOperational', 'SharePoint Online - serviceDegradation', etc. The dialog has 'Print' and 'Close' buttons.

Specify comma separated status names in **Ignore Service Status** input box to skip the checking of specific service statuses.

Check the option **Notify If Failed To Connect Microsoft 365 Service Or Runtime Errors Happen** to fire an Alert when connection failure or runtime errors occur.

The screenshot shows the ARGENT OMEGA (2.2A-2207-A) interface. On the left is a sidebar with a tree view of rules. The main panel is titled 'Notify If Any Service Is Not In Normal Status'. It has a 'Service Name Pattern' dropdown set to 'Include' with the text '\*' entered. Below this is a 'Use Regular Expression' checkbox and an 'Ignore Service Status' input field. A checkbox 'Notify If Failed To Connect Microsoft 365 Service Or Runtime Errors Happen' is checked. There are fields for 'Tag 1', 'Tag 2', and 'Tag 3'. A checkbox 'Post Event Even If The Same Event Is Still Outstanding (Unanswered)' is checked. Below this are fields for 'Do So Only After' (1 hour, 0 minutes) and 'Ignore The Same Outstanding Event If Alerts Were Fired More Than' (1 hour, 0 minutes). A checkbox 'Post Event Only After Rule Is Broken' is checked with a value of 2. There are fields for 'Reset Counter' with options '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 '\*\*\* Microsoft 365 Services Not In Normal St'. The 'Description' field contains 'Rule is broken if any Microsoft 365 service is not in normal state'. At the bottom is a rich text editor with a 'Full Screen' button.

## Message Center Rules

This Rule checks the presence of critical messages in Message Center.

**ARGENT OMEGA** (2.2 A - 2207-A)

Home Theme Argent Instant Help About Logout

ATX  
HP-UX  
SCO  
Argent Compliance Automator  
Argent Omega Web Defender  
Argent Omega for Microsoft 365  
System Management  
Service Health Rule  
Message Center Rule  
**MC\_IMPORTANT\_NOTIFICATION**  
Expiring License Rule  
Service Connectivity Rules  
Exchange Online  
SharePoint Online  
Team Storage Usage Rules  
OneDrive Personal Usage Rules  
Microsoft 365 PowerShell Script Rules  
Argent Omega for SNMP  
Argent Omega for SQL Server  
Alerts  
Correction  
Notification  
Alert Macro  
Monitoring Groups  
Relators  
Macros  
Email Recipients  
SMS Recipients  
Windows Services  
Windows Processes

**Notify If Any High-Severity Message Is Posted**

Ignore Messages Older Than: 365 Days

Classification:

Affected Service Names: Include

Use Regular Expression

Notify if Failed to Connect Microsoft 365 Service or Runtime Errors Happen

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

After Event Is Post

After Event Is Answered

After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* High Severity Message \*\*\*

Description:

Rule is broken for message with high severity in Message Center

In **Notify If Any High-Severity Message Is Posted** block, specify the number of days in **Ignore Messages Older Than** option to skip older messages. Specify the **Classification** of messages.

Include or Exclude **Affected Service Names**. Check **Use Regular Expression** option if you want to use **Regular Expression** in service names.

**ARGENT OMEGA** (2.2 A - 2207-A)

Home Theme Argent Instant Help About Logout

ATX  
HP-UX  
SCO  
Argent Compliance Automator  
Argent Omega Web Defender  
Argent Omega for Microsoft 365  
System Management  
Service Health Rule  
Message Center Rule  
**MC\_IMPORTANT\_NOTIFICATION**  
Expiring License Rule  
Service Connectivity Rules  
Exchange Online  
SharePoint Online  
Team Storage Usage Rules  
OneDrive Personal Usage Rules  
Microsoft 365 PowerShell Script Rules  
Argent Omega for SNMP  
Argent Omega for SQL Server  
Alerts  
Correction  
Notification  
Alert Macro  
Monitoring Groups  
Relators  
Macros  
Email Recipients  
SMS Recipients  
Windows Services  
Windows Processes

**Notify If Any High-Severity Message Is Posted**

Ignore Messages Older Than: 365 Days

Classification:

Affected Service Names: Include

Use Regular Expression

Notify if Failed to Connect Microsoft 365 Service or Runtime Errors Happen

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

After Event Is Post

After Event Is Answered

After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* High Severity Message \*\*\*

Description:

Rule is broken for message with high severity in Message Center

Check the option **Notify If Failed To Connect Microsoft 365 Service Or Runtime Errors Happen** to fire an Alert when connection failure or runtime errors occur.

**ARGENT OMEGA** (2.2 A - 2207-A)

Home Theme Argent Instant Help About Logout

Left Sidebar:

- AIIX
- HP-UX
- SCO
- Argent Compliance Automator
- Argent Omega Web Defender
- Argent Omega for Microsoft 365
  - System Management
  - Service Health Rule
  - Message Center Rule
    - MC\_IMPORTANT\_NOTIFICATION**
    - Expiring License Rule
    - Service Connectivity Rules
  - Exchange Online
  - SharePoint Online
  - Team Storage Usage Rules
  - OneDrive Personal Usage Rules
  - Microsoft 365 PowerShell Script Rules
- Argent Omega for SNMP
- Argent Omega for SQL Server
- Alerts
  - Correction
  - Notification
  - Alert Macro
- Monitoring Groups
- Relators
- Macros
  - Email Recipients
  - SMS Recipients
  - Windows Services
  - Windows Processes

Main Panel:

**Notify If Any High-Severity Message Is Posted**

Ignore Messages Older Than: 365 Days

Classification:

Affected Service Names: Include

Use Regular Expression

☒ **Notify If Failed To Connect Microsoft 365 Service Or Runtime Errors Happen**

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 Minutes Since Event Is Post

☒ Ignore The Same Outstanding Event If Alerts Were Fired More Than 1 Hour 0 Minutes Ago

☒ Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* High Severity Message \*\*\*

Description:

Rule is broken for message with high severity in Message Center



# Expiring License Rules

This Rule alerts if any Microsoft 365 license will expire within 30 days.

≡

ARGENT OMEGA (2.2 A - 2 2 0 7 - A)

HomeThemeArgent Instant HelpAboutLogout

▶ AIX

▶ HP-UX

▶ SCO

▶ Argent Compliance Automator

▶ Argent Omega Web Defender

▶ Argent Omega for Microsoft 365

▶ System Management

▶ Service Health Rule

▶ Message Center Rule

▶ Expiring License Rule

▶ EXL\_EXPIRED

▶ EXL\_EXPIRING

▶ EXL\_EXPIRING\_OR\_SUSPENDED

▶ Service Connectivity Rules

▶ Exchange Online

▶ SharePoint Online

▶ Team Storage Usage Rules

▶ OneDrive Personal Usage Rules

▶ Microsoft 365 PowerShell Script Rules

▶ Argent Omega for SNMP

▶ Argent Omega for SQL Server

▶ Alerts

▶ Correction

▶ Notification

▶ Alert Macro

▶ Monitoring Groups

▶ Relators

▶ Macros

▶ Email Recipients

▶ SMS Recipients

Notify If Any SKU Is About To Expire In Less Than 30 Days

☐ Check Expiring Licenses

☒ Check Suspended Or Expired Licenses

SKU Name Pattern: Include \*  
☐ Use Regular Expression

☐ Notify If Failed To Connect Microsoft 365 Service Or Runtime Errors Happen

☒ 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 Minutes Since Event Is Post

☒ Ignore The Same Outstanding Event If Alerts Were Fired More Than 1 Hour 0 Minutes Ago

☒ Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:  
Reference URL:  
Console Comment: \*\*\* License Expired \*\*\*

Description:  
Rule is broken if any license is expired or suspended already

In **Notify If Any SKU Is About To Expire In Less Than 30 Days** block, check and specify the options to check SKU (Stock-Keeping Unit) is expiring within 30 days. **Check or Uncheck** Expiring Licenses and Suspended or Expired Licenses. **Include or Exclude** SKU Name. **Check Use Regular Expression** option to use Regular Expression in SKU name.

Check the option **Notify If Failed To Connect Microsoft 365 Service Or Runtime Errors Happen** to fire an Alert when connection failure or runtime errors occur.

After configuring the Rule, select **Test Rule**

ARGENT OMEGA (2.2 A - 2207 - A)

Home Theme Argent Instant Help About Logout

Left Sidebar: AIX, HP-UX, SCO, Argent Compliance Automator, Argent Omega Web Defender, Argent Omega for Microsoft 365, System Management, Service Health Rule, Message Center Rule, Expiring License Rule, EXL\_EXPIRED, EXL\_EXPIRING, EXL\_EXPIRING\_OR\_SUSPENDED, Service Connectivity Rules, Exchange Online, SharePoint Online, Team Storage Usage Rules, OneDrive Personal Usage Rules, Microsoft 365 PowerShell Script Rules, Argent Omega for SNMP, Argent Omega for SQL Server, Alerts, Correction, Notification, Alert Macro, Monitoring Groups, Relators, Macros, Email Recipients, SMS Recipients.

Rule Configuration: Notify If Any SKU Is About To Expire In Less Than 30 Days. Check Expiring Licenses, Check Suspended Or Expired Licenses. SKU Name Pattern: Include. Use Regular Expression. Notify If Failed To Connect Microsoft 365 Service Or Runtime Errors Happen. 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 Minutes Since Event Is Post. Ignore The Same Outstanding Event If Alerts Were Fired More Than 1 Hour 0 Minutes Ago. Post Event Only After Rule Is Broken 2 Or More Times. Reset Counter: After Event Is Post, After Event Is Answered, After The Actual Condition Is Corrected. Application: Reference URL: Console Comment: \*\*\* License Expired \*\*\*. Description: Rule is broken if any license is expired or suspended already.

Context Menu: Add New, Save, Undo, Delete, Copy, Rename, Edit Rule Runbook, Test Rule.

Select the **Microsoft 365 Unit Machine** and click **OK**

ARGENT OMEGA (2.2 A - 2207 - A)

Home Theme Argent Instant Help About Logout

Left Sidebar: Tool Sets, Argent Omega Baseline, Argent Compliance Automator, Argent Omega Web Defender, Argent Omega for Microsoft 365, System Management, Service Health Rule, SH\_ALL\_NORMAL, SH\_ALL\_NORMAL\_IGNORE\_DEGRADATION, SH\_EXCHANGE\_ONLINE\_NORMAL, SH\_MICROSOFT\_365\_PORTAL\_NORMAL, SH\_ONEDRIVE\_NORMAL, SH\_SHAREPOINT\_ONLINE\_NORMAL, SH\_SKYPE\_NORMAL, SH\_TEAM\_NORMAL, Message Center Rule, Expiring License Rule, Service Connectivity Rules, Exchange Online, SharePoint Online, Team Storage Usage Rules, OneDrive Personal Usage Rules, Microsoft 365 PowerShell Script Rules, Argent Omega for SNMP, Argent Omega for SQL Server, Alerts, Monitoring Groups, Relators, Macros, Calendars, Administration, License (Admin Only).

Dialog Box: Select One Or More Nodes For Rule Test. Server Or Devices: Selected, Machine, Type, Alias, OS. TEST\_365, Microsoft 365 Serv... Select All, Clear, Toggle. Select Rules For Test: Selected, Rule, Type, Tool Set, Parameters. SH\_ALL\_NORMAL, Service Health Rule, Argent Omega for Microsoft... Execute On: (default). OK, Cancel.

Sample Rule result:

The screenshot displays the Argent Omega web interface. On the left, a sidebar lists various tool sets and rules, including 'Service Health Rule' and 'SH\_ALL\_NORMAL'. The main panel shows the configuration for a rule titled 'Notify If Any Service Is Not In Normal Status'. The configuration includes a 'Service Name Pattern' set to 'Include', a checkbox for 'Use Regular Expression', and an 'Ignore Service Status' field. A 'Test Rule' dialog box is open, displaying the results of a rule test. The dialog shows three instances where the rule is broken, each with a summary and detail. The details include service names and timestamps. Below the broken rule results, a 'Trace Information' section lists the status of various services. At the bottom of the dialog, there are 'Print' and 'Close' buttons. The background interface shows a top navigation bar with 'Home', 'Theme', 'Argent Instant Help', 'About', and 'Logout' buttons. A 'Full Screen' button is visible in the bottom right corner of the main panel.

Argent Omega (2.2A-2207-A)

Home Theme Argent Instant Help About Logout

Tool Sets

- Argent Omega Baseline
- Argent Compliance Automator
- Argent Omega Web Defender
- Argent Omega for Microsoft 365
- System Management
  - Service Health Rule
    - SH\_ALL\_NORMAL
    - SH\_ALL\_NORMAL\_IGNORE\_DEGRADATION
    - SH\_EXCHANGE\_ONLINE\_NORMAL
    - SH\_MICROSOFT\_365\_PORTAL\_NORMAL
    - SH\_ONEDRIVE\_NORMAL
    - SH\_SHAREPOINT\_ONLINE\_NORMAL
    - SH\_SKYPE\_NORMAL
    - SH\_TEAM\_NORMAL
  - Message Center Rule
  - Expiring License Rule
  - Service Connectivity Rules
  - Exchange Online
  - SharePoint Online
  - Team Storage Usage Rules
  - OneDrive Personal Usage Rules
  - Microsoft 365 PowerShell Script Rules
  - Argent Omega for SNMP
  - Argent Omega for SQL Server
- Alerts
- Monitoring Groups
- Relators

Notify If Any Service Is Not In Normal Status

Service Name Pattern: Include \*

Use Regular Expression

Ignore Service Status:

Test Rule

\*\*\* Rule is Broken \*\*\*

Summary: Skype for Business has service status 'serviceDegradation'

Detail: Skype for Business - serviceDegradation at 04 Aug 2022 14:52:02

\*\*\* Rule is Broken \*\*\*

Summary: SharePoint Online has service status 'serviceDegradation'

Detail: SharePoint Online - serviceDegradation at 04 Aug 2022 14:52:02

\*\*\* Rule is Broken \*\*\*

Summary: Microsoft Intune has service status 'serviceDegradation'

Detail: Microsoft Intune - serviceDegradation at 04 Aug 2022 14:52:02

----- Trace Information -----

Exchange Online - serviceDegradation at 04 Aug 2022 14:52:02

Identity Service - serviceOperational at 04 Aug 2022 14:52:02

Microsoft 365 suite - serviceDegradation at 04 Aug 2022 14:52:02

Skype for Business - serviceDegradation at 04 Aug 2022 14:52:02

SharePoint Online - serviceDegradation at 04 Aug 2022 14:52:02

Azure Information Protection - serviceOperational at 04 Aug 2022 14:52:02

Yammer Enterprise - serviceOperational at 04 Aug 2022 14:52:02

Mobile Device Management for Office 365 - serviceOperational at 04 Aug 2022 14:52:02

Planner - serviceOperational at 04 Aug 2022 14:52:02

Sway - serviceOperational at 04 Aug 2022 14:52:02

Print Close

Full Screen

Rule is broken if any Microsoft 365 service is not in normal state

Similarly configure other Rules and **test the Rule before adding to the Relator.**

## Service Connectivity Rules

This set of Rules monitors the availability and performance of the following Microsoft 365 services:

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

ARGENT OMEGA (2.2 A - 2207 - A)

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Service Connectivity Rules

SC\_AZURE\_ACTIVE\_DIRECTORY

Connect To Microsoft 365 Service

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

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

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 30

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☒ Save Response Time

☒ 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 Minutes Since Event Is Post

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

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

Reset Counter

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

Application:

Reference URL:

In **Notify If Response Time Exceeds One Of The Following Limits (Seconds)** section, specify the Response Time threshold. The Rule will alert if any service's Response Time exceeds the specified threshold.

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Service Connectivity Rules

SC\_AZURE\_ACTIVE\_DIRECTORY

Connect To Microsoft 365 Service

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

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

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 30

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☒ Save Response Time

☒ 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 Minutes Since Event Is Post

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

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

Reset Counter

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

Application:

Reference URL:

There is an option to **Save Response Time** to Argent Forecaster:

The screenshot displays the Argent Omega configuration interface. On the left is a sidebar menu with categories like AIX, HP-UX, SCO, and various service connectivity rules. The 'SC\_AZURE\_ACTIVE\_DIRECTORY' rule is selected. The main panel is titled 'Connect To Microsoft 365 Service' and includes sections for 'Notify If Response Time Exceeds One Of The Following Limits (Seconds)' and 'Save Response Time'. The 'Save Response Time' checkbox is highlighted with a red box. Below it, there are fields for 'Tag 1', 'Tag 2', and 'Tag 3', and a 'Save Performance Data To The Argent Forecaster Using Data Store' dropdown set to '(default)'. There are also sections for 'Post Event Even If The Same Event Is Still Outstanding (Unanswered)' and 'Reset Counter'.

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**Service Connectivity Rules**

- SC\_AZURE\_ACTIVE\_DIRECTORY
- SC\_EXCHANGE\_ONLINE
- SC\_SHAREPOINT\_ONLINE
- SC\_TEAM\_AND\_SKYPE\_BUSINESS

**Connect To Microsoft 365 Service**

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

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

- Acceptable Limit Value: 0
- Approaching Limit Value: 0
- At Limit Value: 30
- Exceeding Limit Value: 0
- Major Overload Value: 0

☒ **Save Response Time**

☒ 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 Minutes Since Event Is Post

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

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

**Reset Counter**

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

**Application:**

**Reference URL:**

## Exchange Online Rules

Exchange Online is part of the Microsoft 365 suite of products. Argent Omega provides built-in Rules to monitor the critical performance metrics of Exchange Online services.

The screenshot shows the Argent Omega web interface. The top navigation bar includes the Argent Omega logo, version (2.2A-2207-A), and links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar lists various tool sets, with 'Exchange Online' highlighted under 'Service Connectivity Rules'. The main content area displays a table with three rules: Mailbox Total Size Rule, Mailbox Message Count Rule, and Mail Round Trip Rule.

Name	Description
Mailbox Total Size Rule	
Mailbox Message Count Rule	
Mail Round Trip Rule	

In the Exchange Online section, you will find these three sets of Rules:

- Mailbox Total Size Rule
- Mailbox Message Count Rule
- Mail Round Trip Rule

This screenshot is identical to the one above, showing the Argent Omega web interface with the 'Exchange Online' section highlighted in the sidebar and the corresponding rules table displayed in the main content area.

Name	Description
Mailbox Total Size Rule	
Mailbox Message Count Rule	
Mail Round Trip Rule	

## Mailbox Total Size Rules

This Rule monitors the mailbox size usage of Exchange Online service.

The screenshot shows the ARGENT OMEGA (2.2 A - 2020-7-A) interface. On the left is a navigation tree with categories like AIX, HP-UX, SCO, and various monitoring rules. The 'Mailbox Total Size Rule' is selected under the 'Exchange Online' category. The main panel displays the configuration for this rule. At the top, the 'Mailbox Name Pattern' is set to 'Include' with a text input field. Below this, there's a checkbox for 'Use Regular Expression'. The 'Notify If Mailbox Size Exceeds One Of The Following Limits (Megabytes)' section contains five checkboxes: 'Acceptable Limit Value' (0), 'Approaching Limit Value' (0), 'At Limit Value' (checked, 100), 'Exceeding Limit Value' (0), and 'Major Overload Value' (0). The 'Notify If Failed To Connect Exchange Online Service Or Runtime Errors Happen' section has a checkbox and a dropdown for 'Save Performance Data To The Argent Forecaster Using Data Store:'. Below this are three text input fields for 'Tag 1:', 'Tag 2:', and 'Tag 3:'. The 'Post Event Even If The Same Event Is Still Outstanding (Unanswered)' section has a checkbox and a dropdown for 'Do So Only After' (1 Hour, 0 Minutes). The 'Ignore The Same Outstanding Event If Alerts Were Fired More Than' section has a checkbox and a dropdown for '1 Hour, 0 Minutes Ago'. The 'Post Event Only After Rule Is Broken' section has a checkbox and a dropdown for '2 Or More Times'. The 'Reset Counter' section has three radio buttons: '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 '\*\*\* Mailbox Uses Too Much Storage \*\*\*'. The 'Description:' field is empty.

**Include or Exclude** Mailbox pattern. There is an option to **Use Regular Expression** in Mailbox Name Pattern.

This screenshot is identical to the one above, showing the configuration for the 'Mailbox Total Size Rule'. A red rectangular box highlights the 'Mailbox Name Pattern' section at the top, which includes the 'Include' dropdown, the text input field, and the 'Use Regular Expression' checkbox.



In **Notify If Mailbox Size Exceeds One Of The Following Limits (Megabytes)** section, specify the Mailbox Size threshold. The Rule will alert if the size usage exceeds the specified threshold.

ARGENT OMEGA (2.2 A - 2207-A)

Mailbox Name Pattern: Include

Use Regular Expression

**Notify If Mailbox Size Exceeds One Of The Following Limits (Megabytes)**

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 100

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☐ Notify If Failed To Connect Exchange Online Service Or Runtime Errors Happen

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Mailbox Uses Too Much Storage \*\*\*

Description:

Check the option **Notify If Failed To Connect Microsoft 365 Service Or Runtime Errors Happen** to fire an Alert when connection failure or runtime errors occur.

ARGENT OMEGA (2.2 A - 2207-A)

Mailbox Name Pattern: Include

Use Regular Expression

**Notify If Mailbox Size Exceeds One Of The Following Limits (Megabytes)**

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 100

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☐ Notify If Failed To Connect Exchange Online Service Or Runtime Errors Happen

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Mailbox Uses Too Much Storage \*\*\*

Description:

## Sample Rule execution result:

The screenshot displays the ARGENT OMEGA 2.2A-2207-A web interface. On the left is a navigation menu with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Calendars, and Administration. The main panel shows the configuration for a rule named 'MSZ\_BIG\_SIZE'. A modal window titled 'Test Rule' is open, displaying the following information:

- Argent Omega 2.2.2207.29 Copyright (c) 2022 Argent Software
- For Argent Instant Help 7 by 24 with an Argent engineer, please see <http://help.Argent.com/help.php>
- Target Machine: TEST\_365
- Test At: AI-2019-009
- Test Time: Thu, 04 Aug 2022 09:45:38 (UTC)
- \*\*\* Rule is Not Broken \*\*\*
- Total item size of mailbox 'Test\_A' = 9.24 MB (< 100)
- Trace Information:
  - Connected
  - Mailbox 'Test\_A': 9.244 MB (9,693,555 bytes)

Buttons for 'Print' and 'Close' are at the bottom of the modal. The background interface includes fields for 'Mailbox Name Pattern', 'Notify If Mailbox Size Exceeds One Of The Following Limits (Megabytes)', and a 'Console Comment' field containing '\*\*\* Mailbox Uses Too Much Storage \*\*\*'.

# Mailbox Message Count Rules

This Rule monitors the number of messages in Exchange Online facility mailbox.

≡

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(2.2 A - 2207 - A)

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▶ Monitoring Groups

▶ Relators

▶ Macros

▶ Email Recipients

▶ SMS Recipients

▶ Windows Services

▶ Windows Processes

Mailbox Name Pattern:

Include

\*

Use Regular Expression

Notify If Mailbox Message Count Exceeds One Of The Following Limits

Acceptable Limit Value:

0

Approaching Limit Value:

0

At Limit Value:

3,000

Exceeding Limit Value:

0

Major Overload Value:

0

Notify If Failed To Connect Exchange Online Service Or Runtime Errors Happen

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

Minutes Since Event Is Post

Ignore The Same Outstanding Event If Alerts Were Fired More Than

1

Hour

0

Minutes Ago

Post Event Only After Rule Is Broken

2

Or More Times

Reset Counter

After Event Is Post

After Event Is Answered

After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment:

\*\*\* Mailbox Has Too Many Items \*\*\*

Description:

Include or Exclude Mailbox pattern. There is an option to Use Regular Expression in Mailbox Name Pattern.

≡

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(2.2 A - 2207 - A)

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▶ Relators

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▶ Email Recipients

▶ SMS Recipients

▶ Windows Services

▶ Windows Processes

Mailbox Name Pattern:

Include

\*

Use Regular Expression

Notify If Mailbox Message Count Exceeds One Of The Following Limits

Acceptable Limit Value:

0

Approaching Limit Value:

0

At Limit Value:

3,000

Exceeding Limit Value:

0

Major Overload Value:

0

Notify If Failed To Connect Exchange Online Service Or Runtime Errors Happen

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

Minutes Since Event Is Post

Ignore The Same Outstanding Event If Alerts Were Fired More Than

1

Hour

0

Minutes Ago

Post Event Only After Rule Is Broken

2

Or More Times

Reset Counter

After Event Is Post

After Event Is Answered

After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment:

\*\*\* Mailbox Has Too Many Items \*\*\*

Description:

In **Notify If Mailbox Message Count Exceeds One Of The Following Limits** section, specify the Mailbox Count threshold. The Rule will alert if the number of messages in the mailbox exceeds the specified threshold.

ARGENT OMEGA (2.2A-2207-A)

Mailbox Name Pattern: Include \*

Use Regular Expression

**Notify If Mailbox Message Count Exceeds One Of The Following Limits**

☐ Acceptable Limit Value: 0  
☐ Approaching Limit Value: 0  
☒ At Limit Value: 3,000  
☐ Exceeding Limit Value: 0  
☐ Major Overload Value: 0

☒ Notify If Failed To Connect Exchange Online Service Or Runtime Errors Happen

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

**Reset Counter**

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

Application:   
Reference URL:   
Console Comment: \*\*\* Mailbox Has Too Many Items \*\*\*  
Description:

Check the option **Notify If Failed To Connect Microsoft 365 Service Or Runtime Errors Happen** to fire an Alert when connection failure or runtime errors occur.

ARGENT OMEGA (2.2A-2207-A)

Mailbox Name Pattern: Include \*

Use Regular Expression

**Notify If Mailbox Message Count Exceeds One Of The Following Limits**

☐ Acceptable Limit Value: 0  
☐ Approaching Limit Value: 0  
☒ At Limit Value: 3,000  
☐ Exceeding Limit Value: 0  
☐ Major Overload Value: 0

☒ Notify If Failed To Connect Exchange Online Service Or Runtime Errors Happen

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

**Reset Counter**

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

Application:   
Reference URL:   
Console Comment: \*\*\* Mailbox Has Too Many Items \*\*\*  
Description:

## Sample Rule test result:

The screenshot displays the ARGENT OMEGA 2.2A-2207-A web interface. On the left is a navigation tree with categories like Tool Sets, Alerts, Monitoring Groups, Relators, Macros, Calendars, and Administration. The main panel shows the configuration for a rule named 'MBC\_BUSY\_INBOX'. A modal window titled 'Test Rule' is open, displaying the test results. The test was performed on 'Target Machine: TEST\_365' at 'Test At: AI-2019-009' on 'Thu, 04 Aug 2022 09:52:45 (UTC)'. The results show '\*\*\* Rule is Not Broken \*\*\*' with a 'Message count of mailbox 'Test\_A' = 1,135 (< 3,000)'. Below this, 'Trace Information' shows 'Connected' and 'Mailbox 'Test\_A': 1135 messages'. The modal has 'Print' and 'Close' buttons. The background configuration includes fields for Mailbox Name Pattern, Notify If, Application, Reference URL, Console Comment, and Description.

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    - Mailbox Total Size Rule
    - Mailbox Message Count Rule
      - MBC\_BUSY\_INBOX**
    - Mail Round Trip Rule
  - SharePoint Online
  - Team Storage Usage Rules
  - OneDrive Personal Usage Rules
  - Microsoft 365 PowerShell Script Rules
- Argent Omega for SNMP
- Argent Omega for SQL Server

Alerts

- Monitoring Groups
- Relators
- Macros
- Calendars
- Administration

Mailbox Name Pattern: Include \*  
☐ Use Regular Expression

Notify If Mailbox Message Count Exceeds One Of The Following Limits

- ☐ Acceptable Limit Value: 0
- ☐ Approaching
- ☒ At Limit Value
- ☐ Exceeding
- ☐ Major Over

Test Rule

Argent Omega 2.2.2207.29 Copyright (c) 2022 Argent Software  
For Argent Instant Help 7 by 24 with an Argent engineer, please see <http://help.Argent.com/help.php>

Target Machine: TEST\_365  
Test At: AI-2019-009  
Test Time: Thu, 04 Aug 2022 09:52:45 (UTC)

\*\*\* Rule is Not Broken \*\*\*  
Message count of mailbox 'Test\_A' = 1,135 (< 3,000)

----- Trace Information -----  
Connected  
Mailbox 'Test\_A': 1135 messages

Print Close

Application:   
Reference URL:   
Console Comment: \*\*\* Mailbox Has Too Many Items \*\*\*

Description:   
Rule is broken if a mailbox has too many items in it.

Full Screen

## Mail Round Trip Rules

This set of Rules monitors the email sending and receiving performance of Exchange Web Service, SMTP, IMAP, and MAPI services in Exchange Online.

ARGENT OMEGA (2.2 A - 2207 - A)

Protocol: Exchange Web Service ☒ Send Message Only

Send Message To: {(default)}

Test Timeout: 120 Seconds

Notify If Round Trip Time Exceeds One Of The Following Limits (Seconds)

☒ Acceptable Limit Value: 0

☒ Approaching Limit Value: 0

☒ At Limit Value: 60

☒ Exceeding Limit Value: 0

☒ Major Overload Value: 0

☒ 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 Minutes Since Event Is Post

☒ Ignore The Same Outstanding Event If Alerts Were Fired More Than 1 Hour 0 Minutes Ago

☒ Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Exchange Online Offline Or Slow (EWS F

Description:

Choose the **Protocol** option for mail service. If **Send Message Only** box is checked, Rule checks email send performance only; otherwise, it checks the performance of email send and receive.

ARGENT OMEGA (2.2 A - 2207 - A)

Protocol: Exchange Web Service ☒ Send Message Only

Send Message To: {(default)}

Test Timeout: 120 Seconds

Notify If Round Trip Time Exceeds One Of The Following Limits (Seconds)

☒ Acceptable Limit Value: 0

☒ Approaching Limit Value: 0

☒ At Limit Value: 60

☒ Exceeding Limit Value: 0

☒ Major Overload Value: 0

☒ 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 Minutes Since Event Is Post

☒ Ignore The Same Outstanding Event If Alerts Were Fired More Than 1 Hour 0 Minutes Ago

☒ Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Exchange Online Offline Or Slow (EWS F

Description:

Specify the email address to receive the message and specify the timeout to test. The default value in **Send Message To** field uses the Administrator account specified in CMDB-X. Specify the timeout seconds in **Test Timeout** input box.

**ARGENT OMEGA** (2.2A-2207-A)

Protocol: Exchange Web Service Send Message Only

Send Message To: {default}

Test Timeout: 120 Seconds

**Notify If Round Trip Time Exceeds One Of The Following Limits (Seconds)**

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 60

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☒ 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 Minutes Since Event Is Post

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

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

**Reset Counter**

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Exchange Online Offline Or Slow (EWS F

Description:

In **Notify If Round Trip Time Exceeds One Of The Following Limits** block, specify the Round Trip Time threshold. The Rule will alert if the Round Trip Time exceeds the specified threshold.

**ARGENT OMEGA** (2.2A-2207-A)

Protocol: Exchange Web Service Send Message Only

Send Message To: {default}

Test Timeout: 120 Seconds

**Notify If Round Trip Time Exceeds One Of The Following Limits (Seconds)**

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 60

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☒ 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 Minutes Since Event Is Post

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

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

**Reset Counter**

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Exchange Online Offline Or Slow (EWS F

Description:

## Sample Rule test result:

The screenshot displays the ARGENT OMEGA (2.2A-2207-A) web interface. On the left, a sidebar lists various tool sets and rules, including 'MRT\_EWS'. The main panel shows the configuration for testing the 'MRT\_EWS' rule. A modal window titled 'Test Rule' is open, displaying the test results. The test was performed on 'TEST\_365' at 'AI-2019-009' on 'Thu, 04 Aug 2022 10:02:05 (UTC)'. The results indicate that the rule is not broken because the message round trip time (7.55 seconds) is within the specified limits. The window also provides 'Argent Forecaster Data' and 'Trace Information' for the test.

**Test Rule**

Target Machine: TEST\_365  
Test At: AI-2019-009  
Test Time: Thu, 04 Aug 2022 10:02:05 (UTC)

\*\*\* Rule is Not Broken \*\*\*  
Message Round Trip Time (7.55 seconds) is within limits

----- Argent Forecaster Data -----  
2022-08-04 10:02:18 (UTC): \\TEST\_365\\Message Round Trip(EWS)\\Message Round Trip Time = 7.55

----- Trace Information -----  
Protocol - Exchange Web Service  
Logon Application ID: 9a317472-8826-49c7-8348-5a0fc43e32e4  
Successfully acquired OAuth access token  
Send Test Message to: test\_a@argsoftdev.com  
Message sent successfully. Start searching inbox...  
Message Subject: Message Round Trip Test (Argent Omega for Microsoft 365): 10794f48-4a35-44a2-b348-17fac4450da1 (Sender: Test\_A(test\_a@argsoftdev.com))  
Found message: 10794f48-4a35-44a2-b348-17fac4450da1

Print Close



## SharePoint Online Rules

SharePoint is a cloud-based facility that helps organizations share and manage content, knowledge, and applications. SharePoint Online is part of the Microsoft 365 suite of products. Argent Omega provides built-in Rules to monitor the critical performance metrics of SharePoint Online services.

The screenshot shows the Argent Omega web interface. The top navigation bar includes the logo, version (2.2 A - 2207 - A), and links for Home, Theme, Argent Instant Help, About, and Logout. The left sidebar lists various tool sets, with 'SharePoint Online' highlighted. The main content area displays a table with the following rules:

Name	Description
SharePoint Site Health Rule	
SharePoint Site Storage Usage Rule	
SharePoint Object Size Rule	
SharePoint Object Change Rule	

In SharePoint Online section, there are four sets of Rules, namely:

- SharePoint Site Health Rule
- SharePoint Site Storage Health Rule
- SharePoint Object Size Rule
- SharePoint Object Change Rule

This screenshot is similar to the one above, but with a red rectangular box highlighting the four rules listed under the 'SharePoint Online' section in the left sidebar and the corresponding entries in the main table:

- SharePoint Site Health Rule
- SharePoint Site Storage Usage Rule
- SharePoint Object Size Rule
- SharePoint Object Change Rule

# SharePoint Site Health Rules

This Rule monitors the availability and response time of SharePoint Web Sites.

ARGENT OMEGA (2.2 A - 2207-A)

Tool Sets

- Argent Omega Baseline
- Argent Compliance Automator
- Argent Omega For Microsoft 365
  - System Management
  - Service Connectivity Rules
  - Exchange Online
  - SharePoint Online
    - SPS\_SITE\_RESPONSIVE**
    - SharePoint Site Storage Usage Rule
    - SharePoint Object Size Rule
    - SharePoint Object Change Rule
    - Team Storage Usage Rules
    - OneDrive Personal Usage Rules
    - Microsoft 365 PowerShell Script Rules
- Argent Omega For SNMP
- Argent Omega For SQL Server
- Argent Omega Web Defender
- Alerts
  - Correction
  - Notification
  - Alert Macro
- Monitoring Groups
- Relators
- Macros
  - Email Recipients
  - SMS Recipients
  - Windows Services
  - Windows Processes
- Users
- Calendars
- Base Definitions

Test Site Urls:

☐ Use Regular Expression

☒ Exclude Selected SharePoint Sites

☒ Include Personal Sites

Notify If Site Response Time Exceeds One Of The Following Limits

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 30

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☒ 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

We can specify up to **10 SharePoint sites** in a Rule.

ARGENT OMEGA (2.2 A - 2207-A)

Test Site Urls:

☐ Use Regular Expression

☒ Exclude Selected SharePoint Sites

☒ Include Personal Sites

Notify If Site Response Time Exceeds One Of The Following Limits

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 30

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☒ 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 Minutes Since Event Is Post

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

It is possible to Use Regular Expression in site URL, thereby monitoring all URLs that match the expression. **There are also options to Exclude Selected SharePoint Sites and Include Personal Sites.**

In **Notify if Site Response Time Exceeds One Of The Following Limits** block, specify the Response Time threshold. The Rule will alert if the Response Time of any specified URL exceeds the specified threshold.

ARGENT OMEGA (2.2A-2207-A)

Test Site Urls:

Use Regular Expression

Exclude Selected SharePoint Sites

Include Personal Sites

**Notify if Site Response Time Exceeds One Of The Following Limits**

Acceptable Limit Value: 0

Approaching Limit Value: 0

At Limit Value: 30

Exceeding Limit Value: 0

Major Overload Value: 0

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 Minutes Since Event Is Post

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

Sample Rule result:

ARGENT OMEGA (2.2A-2207-A)

Test Site Urls:

https://argsoftdev.sharepoint.com/

**Test Rule**

Target Machine: TEST\_365

Test At: AI-2019-009

Test Time: Thu, 04 Aug 2022 10:19:14 (UTC)

\*\*\* Rule is Not Broken \*\*\*

Site 'https://argsoftdev.sharepoint.com/portals/Community' response time (0.48 seconds) is within limits (< 30)

\*\*\* Rule is Not Broken \*\*\*

Site 'https://argsoftdev.sharepoint.com/portals/hub' response time (0.47 seconds) is within limits (< 30)

\*\*\* Rule is Not Broken \*\*\*

Site 'https://argsoftdev.sharepoint.com/search' response time (0.51 seconds) is within limits (< 30)

\*\*\* Rule is Not Broken \*\*\*

Site 'https://argsoftdev.sharepoint.com/sites/allcompany' response time (0.49 seconds) is within limits (< 30)

\*\*\* Rule is Not Broken \*\*\*

Site 'https://argsoftdev.sharepoint.com/sites/Argent' response time (0.48 seconds) is within limits (< 30)

Print Close

Notify if Site Response Time Exceeds One Of The Following Limits

Acceptable

Approaching

At Limit Value: 30

Exceeding

Major Overload

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

# SharePoint Site Storage Health Rules

This Rule monitors the storage usage of the specified SharePoint site URL.

**ARGENT OMEGA** (2.2 A - 2207 - A)

Home Theme Argent Instant Help About Logout

**Tool Sets**

- Argent Omega Baseline
- Argent Compliance Automator
- Argent Omega Web Defender
- Argent Omega for Microsoft 365
  - System Management
  - Service Connectivity Rules
  - Exchange Online
  - SharePoint Online
    - SharePoint Site Health Rule
    - SUS\_USE\_EXCESSIVE\_STORAGE**
    - SharePoint Object Size Rule
    - SharePoint Object Change Rule
  - Team Storage Usage Rules
  - OneDrive Personal Usage Rules
  - Microsoft 365 PowerShell Script Rules
- Argent Omega for SNMP
- Argent Omega for SQL Server

**Alerts**

- Correction
- Notification
- Alert Macro
- Monitoring Groups
- Relators
- Macros
  - Email Recipients
  - SMS Recipients
  - Windows Services
  - Windows Processes

**Site URL Pattern:** Include \*  
☐ Use Regular Expression  
☒ Include Personal Sites

**Object Size Unit:** MB

**Notify If Site Total Size Exceeds One Of The Following Limits**

- ☐ Acceptable Limit Value: 0
- ☐ Approaching Limit Value: 0
- ☒ At Limit Value: 1,024
- ☐ Exceeding Limit Value: 0
- ☐ Major Overload Value: 0

☐ 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 Minutes Since Event Is Post

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

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

**Reset Counter**

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

**Application:**

**Reference URL:**

**Console Comment:** \*\*\* SharePoint Site Uses Too Much Storage

**Exclude or Include** SharePoint site URL patterns. There is an option to **Use Regular Expression** in SharePoint site URL. Also, there is an option to **Include Personal Sites**.

**ARGENT OMEGA** (2.2 A - 2207 - A)

Home Theme Argent Instant Help About Logout

**Tool Sets**

- Argent Omega Baseline
- Argent Compliance Automator
- Argent Omega Web Defender
- Argent Omega for Microsoft 365
  - System Management
  - Service Connectivity Rules
  - Exchange Online
  - SharePoint Online
    - SharePoint Site Health Rule
    - SUS\_USE\_EXCESSIVE\_STORAGE**
    - SharePoint Object Size Rule
    - SharePoint Object Change Rule
  - Team Storage Usage Rules
  - OneDrive Personal Usage Rules
  - Microsoft 365 PowerShell Script Rules
- Argent Omega for SNMP
- Argent Omega for SQL Server

**Alerts**

- Correction
- Notification
- Alert Macro
- Monitoring Groups
- Relators
- Macros
  - Email Recipients
  - SMS Recipients
  - Windows Services
  - Windows Processes

**Site URL Pattern:** Include \*  
☐ Use Regular Expression  
☒ Include Personal Sites

**Object Size Unit:** MB

**Notify If Site Total Size Exceeds One Of The Following Limits**

- ☐ Acceptable Limit Value: 0
- ☐ Approaching Limit Value: 0
- ☒ At Limit Value: 1,024
- ☐ Exceeding Limit Value: 0
- ☐ Major Overload Value: 0

☐ 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 Minutes Since Event Is Post

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

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

**Reset Counter**

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

**Application:**

**Reference URL:**

**Console Comment:** \*\*\* SharePoint Site Uses Too Much Storage

Choose the **Object Size Unit** to monitor usage.

The screenshot shows the Argent Omega (2.2 A - 2207 - A) web interface. On the left is a navigation menu with categories like Tool Sets, Alerts, and Macros. The main panel displays the configuration for the 'SUS\_USE\_EXCESSIVE\_STORAGE' rule. The 'Object Size Unit' dropdown menu is open and highlighted with a red box, showing options: Bytes, KB, MB, and GB. The 'At Limit Value' is set to 1,024. Other settings include 'Site URL Pattern' set to 'Include', 'Notify If Site Total Size Exceeds' checked, and 'Console Comment' set to '\*\*\* SharePoint Site Uses Too Much Storage'.

In **Notify If Site Total Size Exceeds One Of The Following Limits** section, specify the Total Size threshold. The Rule will alert if the size usage of any specified URL exceeds the specified threshold.

The screenshot shows the same Argent Omega web interface. The 'Notify If Site Total Size Exceeds One Of The Following Limits' section is highlighted with a red box. This section contains five checkboxes: 'Acceptable Limit Value', 'Approaching Limit Value', 'At Limit Value' (checked), 'Exceeding Limit Value', and 'Major Overload Value'. The 'At Limit Value' is set to 1,024. The 'Console Comment' is '\*\*\* SharePoint Site Uses Too Much Storage'.

Sample Rule result:

Test Rule

Target Machine: TEST\_365

Test At: AI-2019-009

Test Time: Thu, 04 Aug 2022 10:16:48 (UTC)

\*\*\*\* Rule is Not Broken \*\*\*\*  
Size of Site 'https://argsoftdev.sharepoint.com/' = 1.00 MB (< 1,024)

\*\*\*\* Rule is Not Broken \*\*\*\*  
Size of Site 'https://argsoftdev.sharepoint.com/portals/Community' = 1.00 MB (< 1,024)

\*\*\*\* Rule is Not Broken \*\*\*\*  
Size of Site 'https://argsoftdev.sharepoint.com/portals/hub' = 1.00 MB (< 1,024)

\*\*\*\* Rule is Not Broken \*\*\*\*  
Size of Site 'https://argsoftdev.sharepoint.com/search' = 1.00 MB (< 1,024)

\*\*\*\* Rule is Not Broken \*\*\*\*  
Size of Site 'https://argsoftdev.sharepoint.com/sites/allcompany' = 1.00 MB (< 1,024)

Print

Close

# SharePoint Object Size Rules

This Rule alerts if the size of any File or Folder in a specified SharePoint site exceeds the specified threshold.

ARGENT OMEGA (2.2A-2207-A)

Site URL: {default}

Search Root Path: /

Object Type: File

Object Size Unit: MB

Object Name Pattern: Include

Use Regular Expression

Notify If Site Object Size Exceeds One Of The Following Limits

Acceptable Limit Value: 0

Approaching Limit Value: 0

At Limit Value: 300

Exceeding Limit Value: 0

Major Overload Value: 0

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

After Event Is Post

After Event Is Answered

After The Actual Condition Is Corrected

Application:

Specify the **Site URL** and **Search Root Path**.

ARGENT OMEGA (2.2A-2207-A)

Site URL: {default}

Search Root Path: /

Object Type: File

Object Size Unit: MB

Object Name Pattern: Include

Use Regular Expression

Notify If Site Object Size Exceeds One Of The Following Limits

Acceptable Limit Value: 0

Approaching Limit Value: 0

At Limit Value: 300

Exceeding Limit Value: 0

Major Overload Value: 0

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

After Event Is Post

After Event Is Answered

After The Actual Condition Is Corrected

Application:

Select the **Object Type** (Either File or Folder) and **Object Unit**. Specify the **Object Name Pattern**. There is an option to **Use Regular Expression** in the object name.

ARGENT OMEGA (2.2A-2207-A)

Home Theme Argent Instant Help About Logout

Tool Sets

- Argent Omega Baseline
- Argent Compliance Automator
- Argent Omega Web Defender
- Argent Omega for Microsoft 365
  - System Management
  - Service Connectivity Rules
  - Exchange Online
  - SharePoint Online
    - SharePoint Site Health Rule
    - SharePoint Site Storage Usage Rule
    - SharePoint Object Size Rule
      - SOZ\_LARGE\_FILE
      - SOZ\_LARGE\_FOLDER
    - SharePoint Object Change Rule
  - Team Storage Usage Rules
  - OneDrive Personal Usage Rules
  - Microsoft 365 PowerShell Script Rules
- Argent Omega for SNMP
- Argent Omega for SQL Server

Alerts

- Correction
- Notification
- Alert Macro

Monitoring Groups

Relators

Macros

- Email Recipients
- SMS Recipients
- Windows Services

Site URL: {default}

Search Root Path: /

Object Type: File

Object Size Unit: MB

Object Name Pattern: Include \*

Use Regular Expression

Notify If Site Object Size Exceeds One Of The Following Limits

Acceptable Limit Value: 0

Approaching Limit Value: 0

At Limit Value: 300

Exceeding Limit Value: 0

Major Overload Value: 0

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

After Event Is Post

After Event Is Answered

After The Actual Condition Is Corrected

Application:

In **Notify If Site Object Size Exceeds One Of The Following Limits** block, specify the Object Size threshold. The Rule will alert if any object that matches the pattern in the specified SharePoint site exceeds the specified threshold.

ARGENT OMEGA (2.2A-2207-A)

Home Theme Argent Instant Help About Logout

Tool Sets

- Argent Omega Baseline
- Argent Compliance Automator
- Argent Omega Web Defender
- Argent Omega for Microsoft 365
  - System Management
  - Service Connectivity Rules
  - Exchange Online
  - SharePoint Online
    - SharePoint Site Health Rule
    - SharePoint Site Storage Usage Rule
    - SharePoint Object Size Rule
      - SOZ\_LARGE\_FILE
      - SOZ\_LARGE\_FOLDER
    - SharePoint Object Change Rule
  - Team Storage Usage Rules
  - OneDrive Personal Usage Rules
  - Microsoft 365 PowerShell Script Rules
- Argent Omega for SNMP
- Argent Omega for SQL Server

Alerts

- Correction
- Notification
- Alert Macro

Monitoring Groups

Relators

Macros

- Email Recipients
- SMS Recipients
- Windows Services

Site URL: {default}

Search Root Path: /

Object Type: File

Object Size Unit: MB

Object Name Pattern: Include \*

Use Regular Expression

Notify If Site Object Size Exceeds One Of The Following Limits

Acceptable Limit Value: 0

Approaching Limit Value: 0

At Limit Value: 300

Exceeding Limit Value: 0

Major Overload Value: 0

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

After Event Is Post

After Event Is Answered

After The Actual Condition Is Corrected

Application:



# SharePoint Object Change Rules

This Rule monitors the File or Folder changes in a SharePoint site.

ARGENT OMEGA (2.2A-2207-A)

Site URL: {default}

Search Root Path: /IWConvertedForms

☒ Include All Subfolders

Object Type: Folder

Object Name Pattern: Include Forms

☐ Use Regular Expression

Test Object: Exist

And: Changed In Past 60 Minutes

☐ 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 Minutes Since Event Is Post

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

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

Reset Counter

☐ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Object Does Not Changed \*\*\*

Description:

Specify the **Site URL** and **Search Root Path**. Selecting the option **Include All Subfolders** extends the search to the subfolders of the specified root folder.

ARGENT OMEGA (2.2A-2207-A)

Site URL: {default}

Search Root Path: /IWConvertedForms

☒ Include All Subfolders

Object Type: Folder

Object Name Pattern: Include Forms

☐ Use Regular Expression

Test Object: Exist

And: Changed In Past 60 Minutes

☐ 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 Minutes Since Event Is Post

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

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

Reset Counter

☐ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Object Does Not Changed \*\*\*

Description:

Select the **Object Type**; it can be either File or Folder. Specify the **Object Name Pattern**. There is an option to **Use Regular Expression** in the Object Name.

ARGENT OMEGA (2.2 A - 2207 - A)

Site URL: {default}

Search Root Path: /IWConvertedForms

☒ Include All Subfolders

Object Type: Folder

Object Name Pattern: Include Forms

☐ Use Regular Expression

Test Object: Exist

And

Changed In Past 60 Minutes

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 Minutes Since Event Is Post

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

Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

After Event Is Post

After Event Is Answered

After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Object Does Not Changed \*\*\*

Description:

Specify the Test Object criteria. The Rule will alert if the condition is satisfied.

ARGENT OMEGA (2.2 A - 2207 - A)

Site URL: {default}

Search Root Path: /IWConvertedForms

☒ Include All Subfolders

Object Type: Folder

Object Name Pattern: Include Forms

☐ Use Regular Expression

Test Object: Exist

And

Changed In Past 60 Minutes

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

ARGENT OMEGA (2.2 A - 2207 - A)

Site URL: {default}

Search Root Path: /IWConvertedForms

☒ Include All Subfolders

Object Type: Folder

Object Name Pattern: Include Forms

☐ Use Regular Expression

Test Object: Exist

And

Changed In Past 60 Minutes

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

Test Rule

Target Machine: TEST\_365

Test At: AI-2019-009

Test Time: Thu, 04 Aug 2022 10:28:23 (UTC)

\*\*\* Rule is Not Broken \*\*\*

Found no matching Folder and changed in 60 minutes

----- Trace Information -----

Ignore Folder - \_catalogs/appdata

Ignore Folder - \_catalogs/appfiles

Ignore Folder - \_catalogs/design

Search Folder - IWConvertedForms

Search Sub-folder - IWConvertedForms/Forms

Ignore Folder - Shared Documents

Ignore Folder - Lists/Events

Ignore Folder - FormServerTemplates

Ignore Folder - \_catalogs/it

Ignore Folder - \_catalogs/MaintenanceLogs

Ignore Folder - \_catalogs/masterpage

Ignore Folder - Lists/SharePointHomeOrgLinks

Ignore Folder - SitePages

Print Close

## Team Storage Usage Rules

This Rule monitors the Storage Usage of the specified Team SharePoint sites.

**ARGENT OMEGA** (2.2A-2207-A)

Home Theme Argent Instant Help About Logout

Team Name Pattern: Include [ ] Use Regular Expression

Storage Size Unit: MB

Notify If Team Site Storage Size Exceeds One Of The Following Limits

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 1,024

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☒ 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 Minutes Since Event Is Post

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

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

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application: [ ]

Reference URL: [ ]

Console Comment: \*\*\* Team SharePoint Site Uses Excessive St

Description: [ ]

**Include or Exclude** Team Name pattern. **There is an option to Use Regular Expression in the Team Name.** Choose the **Storage Size Unit** to monitor the storage size usage.

**ARGENT OMEGA** (2.2A-2207-A)

Home Theme Argent Instant Help About Logout

Team Name Pattern: Include [ ] Use Regular Expression

Storage Size Unit: MB

Notify If Team Site Storage Size Exceeds One Of The Following Limits

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 1,024

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☒ 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 Minutes Since Event Is Post

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

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

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application: [ ]

Reference URL: [ ]

Console Comment: \*\*\* Team SharePoint Site Uses Excessive St

Description: [ ]

In **Notify If Team Site Storage Size Exceeds One Of The Following Limits** block, specify the Team Site Storage Size threshold. The Rule will alert if the specified Team SharePoint site's storage usage exceeds the specified threshold.

The screenshot displays the Argent Omega configuration interface. The left sidebar shows a tree view of various system components, with 'Team Storage Usage Rules' expanded and 'TSU\_SITE\_USE\_EXCESSIVE\_STORAGE' selected. The main configuration area is titled 'Notify If Team Site Storage Size Exceeds One Of The Following Limits'. It includes fields for 'Team Name Pattern' (set to 'Include'), 'Storage Size Unit' (set to 'MB'), and a section for setting limits. The 'At Limit Value' checkbox is checked and set to '1,024'. Other limit options like 'Acceptable', 'Approaching', 'Exceeding', and 'Major Overload' are also present but not checked. Below the limits section, there are options for saving performance data, tagging events, and post-event actions. The 'Reset Counter' section has three radio button options. At the bottom, there are fields for 'Application', 'Reference URL', 'Console Comment' (containing '\*\*\* Team SharePoint Site Uses Excessive St'), and 'Description'.

Argent OMEGA (2.2 A - 22 07 - A)

Home Theme Argent Instant Help About Logout

Team Name Pattern: Include

Storage Size Unit: MB

**Notify If Team Site Storage Size Exceeds One Of The Following Limits**

☐ Acceptable Limit Value: 0

☐ Approaching Limit Value: 0

☒ At Limit Value: 1,024

☐ Exceeding Limit Value: 0

☐ Major Overload Value: 0

☒ 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 Minutes Since Event Is Post

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

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

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application:

Reference URL:

Console Comment: \*\*\* Team SharePoint Site Uses Excessive St

Description:

# OneDrive Personal Usage Rules

This Rule monitors the storage space usage of a personal SharePoint site.

**ARGENT OMEGA** (2.2 A - 2207 - A)

Home Theme Argent Instant Help About Logout

ADX HP-UX SCO Argent Compliance Automator Argent Omega Web Defender Argent Omega for Microsoft 365 System Management Service Connectivity Rules Exchange Online SharePoint Online Team Storage Usage Rules OneDrive Personal Usage Rules **ODU\_SITE\_USE\_EXCESSIVE\_STORAGE** Microsoft 365 PowerShell Script Rules Argent Omega for SNMP Argent Omega for SQL Server Alerts Correction Notification Alert Macro Monitoring Groups Relators Macros Email Recipients SMS Recipients Windows Services Windows Processes Users Calendars Base Definitions

**User Name Pattern:** Include [ ] Use Regular Expression

**Usage Unit:** Bytes

**Notify If Site Total Size Exceeds One Of The Following Limits**

☐ Acceptable Limit Value: [ 0 ]

☐ Approaching Limit Value: [ 0 ]

☒ At Limit Value: [ 300 ]

☐ Exceeding Limit Value: [ 0 ]

☐ Major Overload Value: [ 0 ]

☐ 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 ] Minutes Since Event Is Post

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

☐ Post Event Only After Rule Is Broken [ 2 ] Or More Times

**Reset Counter**

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

**Application:** [ ]

**Reference URL:** [ ]

**Console Comment:** [ \*\*\* User Personal SharePoint Site Use Exces ]

**Description:** [ ]

**Include or Exclude OneDrive User Name Pattern.** There is an option to Use Regular Expression in the User Name. Choose the Usage Unit to monitor the site size usage.

**ARGENT OMEGA** (2.2 A - 2207 - A)

Home Theme Argent Instant Help About Logout

ADX HP-UX SCO Argent Compliance Automator Argent Omega Web Defender Argent Omega for Microsoft 365 System Management Service Connectivity Rules Exchange Online SharePoint Online Team Storage Usage Rules OneDrive Personal Usage Rules **ODU\_SITE\_USE\_EXCESSIVE\_STORAGE** Microsoft 365 PowerShell Script Rules Argent Omega for SNMP Argent Omega for SQL Server Alerts Correction Notification Alert Macro Monitoring Groups Relators Macros Email Recipients SMS Recipients Windows Services Windows Processes Users Calendars Base Definitions

**User Name Pattern:** Include [ ] Use Regular Expression

**Usage Unit:** Bytes

**Notify If Site Total Size Exceeds One Of The Following Limits**

☐ Acceptable Limit Value: [ 0 ]

☐ Approaching Limit Value: [ 0 ]

☒ At Limit Value: [ 300 ]

☐ Exceeding Limit Value: [ 0 ]

☐ Major Overload Value: [ 0 ]

☐ 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 ] Minutes Since Event Is Post

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

☐ Post Event Only After Rule Is Broken [ 2 ] Or More Times

**Reset Counter**

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

**Application:** [ ]

**Reference URL:** [ ]

**Console Comment:** [ \*\*\* User Personal SharePoint Site Use Exces ]

**Description:** [ ]

In **Notify If Site Total Size Exceeds One Of The Following Limits** block, specify the Site Total Size threshold. The Rule will alert if the OneDrive cloud storage usage exceeds the specified threshold.

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Navigation: AIX, HP-UX, SCO, Argent Compliance Automator, Argent Omega Web Defender, Argent Omega for Microsoft 365, System Management, Service Connectivity Rules, Exchange Online, SharePoint Online, Team Storage Usage Rules, OneDrive Personal Usage Rules, **ODU\_SITE\_USE\_EXCESSIVE\_STORAGE**, Microsoft 365 PowerShell Script Rules, Argent Omega for SNMP, Argent Omega for SQL Server, Alerts, Correction, Notification, Alert Macro, Monitoring Groups, Relators, Macros, Email Recipients, SMS Recipients, Windows Services, Windows Processes, Users, Calendars, Base Definitions

User Name Pattern: Include =  
Use Regular Expression

Usage Unit: Bytes

**Notify If Site Total Size Exceeds One Of The Following Limits**

- ☐ Acceptable Limit Value: 0
- ☐ Approaching Limit Value: 0
- ☒ At Limit Value: 300
- ☐ Exceeding Limit Value: 0
- ☐ Major Overload Value: 0

☐ 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 Minutes Since Event Is Post

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

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

Reset Counter

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

Application:

Reference URL:

Console Comment: \*\*\* User Personal SharePoint Site Use Exces

Description:

## Microsoft 365 PowerShell Script Rules

This Rule allows the creation of custom PowerShell scripts to monitor Microsoft 365.

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**Navigation Tree:**

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  - Alert Macro
- Monitoring Groups
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- Macros
  - Email Recipients
  - SMS Recipients
  - Windows Services
  - Windows Processes
- Users
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- Base Definitions

**Add Parameters**

**Properties** | **Methods**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10

Timeout: 30 Seconds

☐ Take Action Before Running Script: Please Choose:   
Connect Azure AD  
Connect Exchange Online  
Connect SharePoint Online  
Connect Microsoft Team  
Microsoft 365 Environment Variables

☐ Rule Is Broken If Script Timeout

☐ 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 Minutes Since Event Is Post

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

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

**Reset Counter**

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**Application:**   
**Reference URL:**

There is an option to take selected action before running the script.

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**Add Parameters**

**Properties** | **Methods**

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Timeout: 30 Seconds

☒ Take Action Before Running Script: Please Choose:   
Connect Azure AD  
Connect Exchange Online  
Connect SharePoint Online  
Connect Microsoft Team  
Microsoft 365 Environment Variables

☐ Rule Is Broken If Script Timeout

☐ 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 Minutes Since Event Is Post

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

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

**Reset Counter**

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

**Application:**   
**Reference URL:**

Specify the Script **Timeout** and check **Rule Is Broken If Script Timeout** option that the Rule will break on a specified timeout.

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PS\_TEST

Add Parameters

Properties Methods

Timeout: 30 Seconds

☒ Take Action Before Running Script: Please Choose:

☒ Rule Is Broken If Script Timeout

☒ 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 Minutes Since Event Is Post

☒ Ignore The Same Outstanding Event If Alerts Were Fired More Than 1 Hour 0 Minutes Ago

☒ Post Event Only After Rule Is Broken 2 Or More Times

Reset Counter

☒ After Event Is Post

☐ After Event Is Answered

☐ After The Actual Condition Is Corrected

Application: Reference URL:

Argent\_for\_Microsoft\_365.doc