Argent Web Defender



www.Argent.com

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Introduction

What is website performance monitoring?

This is the process of measuring and testing how a website, web server, web application or other web-based service responds during end user interactions.

Using website performance data, administrators can more easily perform website speed optimization, reduce bounce rates, and increase ease of use and satisfaction for end users. The end goal is ensuring each service functions as expected.

Argent Omega Web Defender provides Toolsets for comprehensive monitoring of websites, so that network administrators can collect data related to internet latency, network hop issues, and other metrics to help build a snapshot of the website or web server's performance. These performance data are then translated into report, graph, or chart form, allowing for quick, at-a-glance comprehension of the overall state of the website.

The Toolsets provided by Argent Omega Web Defender not only monitors website performance but also it does the performance monitoring of web applications, remote email servers, and FTP sites, etc. Below are the most important features and benefits of Argent Omega Web Defender Toolsets:

Simple Website Monitoring To Prevent Downtime:

- Monitor your website at regular intervals.
- Get notified instantly when the website goes down or if the page loading time increases.
- Utilize downtime analysis reports to resolve website performance issues or downtime.

End-To-End Web Monitoring:

- Handles all known HTTP error codes.
- Check for one or more known error codes for each URL.
- The Toolset provides preconfigured error cases. It has a list of all known HTTP errors.

Root Cause Analysis And Correction:

- Run WMI and Linux or UNIX scripts if a web server is offline or slow.
- Preconfigured scripts for checking system resources like CPU, memory, NIC traffic, etc.
- Screenshot capturing.

It is possible to identify and correct the root cause of an issue without manual intervention.

Robotic Web Testing:

- Mimics user interactions.
- Supports manual operations such as mouse clicks and keyboard input.

It is possible to automatically run laborious, pain staking web testing which normally requires human interaction.

1. Web Data Scraping:

• Retrieves data from web pages and makes it available as variables in script.

Example: Go to finance.yahoo.com, retrieve Apple's stock price, and alert if it crosses a threshold or store the stock price in Argent Forecaster for Analytics.

It is possible to configure notification alerts based on data updated in websites. Also use Argent

Forecaster and Argent Reporter for web-scraped data.

2. Email Performance Monitoring:

- Monitor the email sending and receiving capabilities of a SMTP, POP and IMAP servers and test round-trip email performance.
- Performance data is saved for trend analysis using the Argent Forecaster.

Prerequisites To Run Web Session Rules

Argent Omega Web Manager should be installed in the machine to record Web Sessions in Web Session Rules. To download Argent Omega Web Manager, go to any Web Session Rule and select **Download Argent Omega Web Manager** option from context menu. This will download Setup.msi package into the machine. After downloading, install the downloaded **Setup.msi** package.

 Inol Sets Argent Omega Baseline Argent Omega Baseline Argent Omega Web Defender Methods Website Availability Rules Website Response Time Rules Website Relability Rules Windows Performance Rules Windows Service Rules Windows Service Rules Windows Service Rules Windows Service Rules Windows Ferder Rules Windows Ferder Rules Windows Ferder Rules Windows Performance Rules Win	RW22
Session Parameters Argent Complance Automator Properties Methods Properties Properties Methods Properties Properties Methods Properties Properties Methods Properties Properties Properties Properties Properties Properties Properties Properties	
Margent Compliance Automator Methods Argent Omega keb Defender 1 Website Arganbilt Mules 1 Website Raliability Rules 4 Website Raliability Rules 4 Website Raliability Rules 4 Website Raliability Rules 4 Windows Service Rules 5 Windows Service Rules 1 Windows Service Rules 1 Windows Service Rules 5 Web Session Rules 5 Sargent Omega for StMP 5 Argent Omega for StMP 5 Argent Argent Omega for StMP 5 Sargent Correction 6 Sargent Correction 6 Sargent Correction 6 Sargent Correction 6 Sargent Marco 6 Sargent Correct	
<td></td>	
> Website Availability Rules Add New > Website Response Time Rules Add New > Website Relability Rules Add New > Website Relability Rules Save > Website Rules Indo > Windows Service Rules Delete > Windows Service Rules Delete > Windows Service Rules Ramane Service Rules	
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Medeska Reliability Rules Add New Metrifer formance Rules Add New Mindows Reifonance Rules Add New Mindows Service Rules Betee Metrifer Structures Betee Metrifer Structures Copy Rules Rules RTP_TEST Betee Argent Omega for SNMP Fer Structures Argent Omega for SNMP Fer Argent Omega for SNMP Argent Omega for SNMP Fer Argent Omega for SNMP Correction Fer Argent Omega for SNMP Montoring Groups Fer Argent Omega for SNMP Montoring Groups Fer Argent Omega for SNMP	
> ME Email Performance Rules 3 > ME TP Site Rules 1 > Mindows Service Rules 1 > Mindows Performance 1	
> Inf PTP Site Rules 10 > Inf Vindows Service Rules > Inf > Inf RTP_TEST > Inf > Inf Argent Omega for SNP > Inf > Inf Argent Omega for SQL Server > Inf > Information > Information > Information > Informatio	
Image: Mindows Service Rules Image: Composition Rules Image: Multicows Service Rules Image: Composition Rules Image: RTP_CECC Rename Image: RTP_TEST Edit Rule Runbook Image: RTP_TEST Edit Rule Runbook Image: RTP_TEST Edit Rule Runbook Image: RTP_TEST Image: Rules Im	
Implementation Imple	
* Meb Session Rules Rename # RTP_CHECK Edit Rule Runbook # RTP_TEST Edit Rule Runbook > Margent Omega for Microsoft 365 F > Margent Omega for SNNP Test Rule > Margent Omega for SNNP Rebuild Session > Margent Omega for SNNP Rubuild Session > Margent Omega for SNNP Rubuild Session > Margent Omega for SNNP F	
Image: RTP_CHECK Image: RTP_TEST Image: RTP_TEST <td></td>	
Image: RTP_TEST Edit Rule Runbook Image: RTP_TEST Edit Rule Runbook Image: RTP_TEST Image: RtP_text Image: RtP_text Image: RtP_text </td <td></td>	
Margent Omega for Microsoft 365 Margent Omega for SIMP Argent Omega for SQL Server Argent Omega for SQL Server Alerts Alerts Correction Notification Alert Macro Monitoring Groups	
Margent Omega for SNMP Net Rule Margent Omega for SQL Server Rebuild Session Alarts Rebuild Session Motification Num And Yett Session Motification Download Argent Omega Web Manager Motification Download Argent Omega Web Manager	
Image: Argent Omega for SQL Server Rebuild Session Image: Argent Omega for SQL Server Run And Test Session Image: Argent Omega Web Manager Download Argent Omega Web Manager Image: Argent Omega Web Manager Image: Argent Omega Web Manager	
Alerts Marts Correction Martflacton Martflacton Martflacton Martflacton Martflactors Martflactors Martflactors Martflactors Martflactors Martflactors <	
> Im Correction Run And Test Session > Im Notification Download Argent Omega Web Manager > Im Alert Macro Download Argent Omega Web Manager	
Argent Omega Web Manager Download Argent Omega Web Manager	
▶ Monitoring Groups	
Relators	
▶ Workflows	
▼ Im Macros	
> Temail Recipients	
SMS Redplents	
> Mindows Services	
▶ Mindows Processes	
> Users	

Log-On Screen

			۲
Arg e mana and t work	nt has been in the systems agement business since 1991 has over 2,000 customers dwide.	Argent Omega	
Arge Moni	nt is the Industry Leader in toring and Automation Products.		
Part		User Name	
Neou		Enter Name	
		Password	
		Enter Password	
		Log In	
A	RGENT		
		2.2A-2207-A (Build Version: v2.2.2208.9)	
	Copyright © 20	22 Argent Software. All Rights Reserved	

The Argent Omega validates the authenticity of the user through log-on screen.

Three types of user accounts can logon to Argent Omega:

- Windows User Accounts
- Demo Accounts
- Internal Accounts

Argent Omega uses Windows authentication to login Windows user accounts into Argent Omega. If the Argent server is in an Active Directory Domain environment, then the user will be authenticated by Active Directory. If the server is Standalone or in a Workgroup, local Windows user authentication is used. For Windows user accounts, the recommended approach is to create a separate user group for Windows users and assign the required rights.

Demo Accounts can be created in Argent Omega Security section and are used for demonstration purposes. Demo accounts are read-only accounts and it uses Argent private authentication to login into Argent Omega. Usually Demo Accounts has short validity time, and the access is limited to specific IP addresses only.

Internal Accounts also can be created in Argent Omega Security section, and will behaves like normal Windows account. Use Argent private authentication for login.

The Argent Omega username is case insensitive but the Password is case sensitive.

Home Screen

ARGENT OMEG	BA (2.2A-2207-A)			🔅 Theme * Arge	ල්) ල ල් nt Instant Help About Logout
Q Find any field's name on any screen. For example,	ample, type 'Status'				
Recently Viewed					
*	₽* \$	Ê		11	
Tool Sets	Workflows	Scheduled Tasks	Relators	CMDB-X	
Products					
	Ë	NI	۲		P
Global Status	Events	SuperMaps	Network Topology Maps	Super Console	SLA
<u>~</u>	55		•	X	*
Performance Graph	Dashboard	CeoConsole	Enterprise View	Тор Х	ViewMagic
Ê		A	11	*	
Scheduled Tasks	Relators	Workflows	CMDB-X	Tool Sets	Alerts
曲			0	•	
Calendars	Macros	Monitoring Groups	Engines	Security	
Argent Reporter					
		12	\sim		~~
Alerts	Compliance	Cross Reference	Miscellaneous	PowerShell	Performance
	squ				
SLA	SQL Query				

After logging in, Argent Omega will redirect to Home screen.

Configure Internet Objects In CMDB-X

It is possible to license following four types of objects in Argent Omega Web Defender:

- URL Object
- Mail Object
- FTP Object
- Windows Servers

Configure URL Object In CMDB-X

Argent Omega contains Web Session Rules for Automated Website Monitoring. It also contains the Rules to monitor the Availability and Response Time of websites. Specify **Type** as **URL Object** while adding to the CMDB-X as shown below:

= ARGENT	OMEGA (2.2A-2	207-A)					A Home	🔅 • Theme •	(*) Argent instant Help	? About	C2 Logout
Search						Server Or Device	Network Group	Scan Network	Properties		✓ S + × Ø
Network Group Or Machine	Туре	Alias		Licensed	Suspend	Location	Contact	ŕ	Group Or Key	Val	lue
✓ Demo Group	Network Group								Name	Der	mo Group
10.0.0.11	IP Device	AP6		Yes		MUMBAI			Туре	Net	work Group
10.0.0.22	IP Device	AP2				MUMBAI			Location		
10.0.0.23	IP Device	AP5				MUMBAI			Contact		
10.0.0.24	IP Device	AP1				MUMBAI			♦ VMware Parameters		
10.0.0.25	IP Device	AP4				MUMBAI			XenServer Parameters		
10.0.0.38	IP Device	AP3	Manually Add An I	Intry			D2B ×		+ Hyper-V Parameters		
192.168.108.121	Windows Server								SNMP Parameters		
192.168.110.65	Windows Workstation		Name:		ARGENT				Extended Properties		
192.168.4.170	IP Device		Aliaci						Description		
192.168.4.180	IP Device		Allas.								
192.168.4.181	IP Device		Domain:								
192.168.4.183	IP Device		VM Hosting En	vironment:	None	*					
192.168.4.210	IP Device		Type:		URL Object	-					
192.168.96.165	IP Device		Notwork Crow		Domo Group						
192.168.96.55	IP Device	CISCOROUT	Network arou		Denio Group						
AGT-PC	Windows 7 Ultimate		Location:		MUMBAI	▼					
AI-2019-001	Windows 10 Pro				_						
AI-2019-002	Windows 10 Pro			OK		Cancel					
AI-2019-003	Windows 10 Pro										
AI-2019-004	Windows 10 Pro			Yes							
AI-2019-005	Windows 10 Pro			Yes							
AI-2019-006	Windows 10 Pro			Yes							
AI-2019-007	Windows 10 Pro			Yes					Display Options		Refresh
AI-2019-008	Windows Machine			Yes							
AI-76	Windows 8.1 Pro N			Yes					Group Or Key	Val	ue
AI-AD-4	Windows 10 Pro			Yes					Show Objects	All	
AI-MFC-101-W10	Windows 10 Pro			Yes					Network Group	*	
AI-QC	Windows 10 Pro			Yes					Monitoring Group	•	
AI-QC-001	Windows Machine			Yes					Туре	•	
AI-0C-02	Windows 7 Ultimate			Ver				~			

Then specify the following CMDB-X properties:

≡ ARGENT	OMEGA (2.2A-2)	207-A)				A Home	🔅 Theme -	ری) Argent instant Help Abe	ා ් put Logout
Search					Server Or Device	etwork Group	Scan Network	Properties	✓ 2 + × Ø
Network Group Or Machine	Туре	Alias	Licensed	Suspend	Location	Contact	ŕ	Group Or Key	Value
) Demo Group	Network Group							Name	ARGENT
👻 First Network Group	Network Group				MUMBAI			Licensed Products	Argent Omega Baseline,Argent Omega Web Defender
192.168.108.97	Linux/UNIX		Yes		MUMBAI			Alias	
192.168.111.1	IP Device		Yes		MUMBAI			- URL Object	
192.168.111.18	IP Device				MUMBAI			LIRL Dath	https://www.argent.com/
192.168.111.2	IP Device		Yes		MUMBAI			- Authentication	incpany in the generation
192.168.111.3	IP Device		Yes		MUMBAI			• Hourendeddon	
192.168.111.4	IP Device	APC_UPS_003	Yes		MUMBAI			Logon User	
192.168.111.5	IP Device		Yes					Password	
192.168.37.1	IP Device		Yes		MUMBAI			Auth Mode	Basic III
192.168.96.106	IP Device	switchbecab4	Yes		NEW YORK			Service Port	(default)
192.168.96.57	IP Device		Yes		MUMBAI			₩ Proxy	
2222	Linux/UNIX		Yes		NEW YORK			Proxy Server	
AI-2019-009	Windows Machine		Yes		MUMBAI			Proxy Server Port	
AI-MFC-102-W10	Windows 10 Pro		Yes					Proxy User	
AIX-1	Linux/UNIX		Yes		NEW YORK			Proxy Password	
ARG-365	Microsoft 365 Service Unit				MUMBAI			vital URLs To Check	
ARGENT	URL Object		Yes		MUMBAI			URL#1	https://www.argent.com/products/p
AUBNECTX02	Windows Machine	Citrix Server 2	Yes		Brisbane			TCP Parameters	
AUWINCFS01	IP Device	Winnellie FS			Brisbane			System Info Caching Minutes	720

URL Path: The path for the URL.

Authentication: The authentication scheme to use when server authorization is required. Any of the following type of Authentication Mode can be set:

- Basic
- Digest
- NTLM
- Negotiate

If Logon User and Password properties are empty, no authentication will be performed. By default, it uses Basic authentication if Logon User and Password properties are set. Otherwise, the selected authentication will be attempted.

Service Port: The port for the URL.

Proxy: Specify proxy settings if there is a proxy server. This section contains properties describing the proxy settings through which the Argent Omega Web Defender will attempt to connect to the specified website. There are options to configure proxy server name, port, proxy username and password. **Vital URLs To Check**: Specify critical URLs. The Rule will check the availability of specified vital URLs.

Configure Mail Object In CMDB-X

Argent Omega Web Defender contains the Rules to monitor the performance of email protocols such as SMTP, POP and IMAP. Specify **Type** as **Mail Object** while adding the service to the CMDB-X as shown below:



Then configure the following Mail Service CMDB-X properties:

≡ ARGENT	OMEGA (2.2A-2	207-A)				😭 Home	🔅 Theme -	ে) বি Argent Instant Help Abc	D2
Search					Server Or Device Ne	twork Group	Scan Network	Properties	✓ S + × 8
Network Group Or Machine	Туре	Alias	Licensed	Suspend	Location	Contact	^	Group Or Key	Value
192.168.108.97	Linux/UNIX		Yes		MUMBAI			Name	SMTP_1
192.168.111.1	IP Device		Yes		MUMBAI			Licensed Products	Argent Omega Web Defender
192.168.111.18	IP Device				MUMBAI			Alias	
192.168.111.2	IP Device		Yes		MUMBAI			w Mail Service	
192.168.111.3	IP Device		Yes		MUMBAI			IP Address	smtp.gmail.com
192.168.111.4	IP Device	APC_UPS_003	Yes		MUMBAI			→ Authentication	
192.168.111.5	IP Device		Yes					Logon User	testargent10@gmail.com
192.168.37.1	IP Device		Yes		MUMBAI			Password	
192.168.96.106	IP Device	switchbecab4	Yes		NEW YORK			Auth Mode	User Password
192.168.96.57	IP Device		Yes		MUMBAI			Service Port	465
2222	Linux/UNIX		Yes		NEW YORK			SSL Start Mode	Automatic
AI-2019-009	Windows Machine		Yes		MUMBAI			Type	SMTP
AI-MFC-102-W10	Windows 10 Pro		Yes					Destination Email Address	testargent11@gmail.com
AIX-1	Linux/UNIX		Yes		NEW YORK			Assoicated Object	POP
ARG-365	Microsoft 365 Service Unit				MUMBAI			+ TCP Parameters	
ARGENT	URL Object		Yes		MUMBAI			System Info Caching Minutes	720
AUBNECTX02	Windows Machine	Citrix Server 2	Yes		Brisbane			Manifestion Level	Nermal
AUWINCFS01	IP Device	Winnellie FS			Brisbane			Tier	Not Specified
CNN	URL Object	https://edition.cnn.com/	Yes		NEW YORK			h The	Hot apeched
DND-MFC-SQL	Windows Server		Yes		MUMBAI			p log	
FTP	FTP Object		Yes		MUMBAI			Location	MOMBAL
FTP_1	FTP Object		Yes		MUMBAI			Contact	
INTRANET	URL Object	https://intranettest.cardno.com			Brisbane			Owner Accounts	
PERPRN01P	IP Device	Perth Print Server	Yes		Brisbane			Default Settings	
POP	Mail Object				MUMBAI			Display Options	Refresh
SMTP_1	Mail Object		Yes		MUMBAI			Group Or Key	Value
TEST_365	Microsoft 365 Service Unit		Yes		MUMBAI			Show Objects	All
TEST_EMAIL	Mail Object	testargent10@gmail.com	Yes		NEW YORK			Network Group	*

IP Address: The name or address of a mail server (mail relay).

Authentication: The Authentication Mechanism property to be used when connecting to the mail server.

Any of the following type of Authentication Mode can be set:

- User Password
- NTLM
- Kerberos

By default, it uses User Password authentication mode if Logon User and Password properties are set.

Otherwise, the selected authentication will be attempted.

Service Port: The server port for Mail service.

SSL Start Mode: Determines how the SSL negotiation to be started. It can be any one of the following:

- None: No SSL negotiation, no SSL security. All communication will be in plaintext mode.
- Automatic: If the remote port is set to the standard plaintext port of the protocol, the component will behave the same as if SSL Start Mode is set to Explicit. In all other cases, SSL negotiation will be Implicit.
- Implicit: The SSL negotiation will start immediately after the connection is established.

• Explicit: The component will first connect in plaintext, and then explicitly start SSL negotiation through a protocol command.

Type: Select the type of Mail service. It can be any one of the following:

- SMTP
- POP3
- IMAP

Destination Email Address: The address to which test emails to be sent to check the email performance. **Associated Object**: It is possible to configure multiple email protocols in a Mail object. It is useful when doing email round-trip performance test, it requires to use both SMTP and POP or IMAP objects. You can select the configured Mail service from the list as an Associated Object.

Configure FTP Object In CMDB-X

File Transfer Protocol (FTP) is used to transfer files between a server and client in a TCP or IP network. Users, who have been granted access, can receive and transfer files in the File Transfer Protocol server. Secure version of the FTP protocol is SFTP. SFTP encrypts the transmitted commands and data using SSH (Secure Shell Protocol). Argent Omega Web Defender provides the Rules for FTP monitoring that helps enterprises and other organizations to ensure smooth delivery of FTP or SFTP facilities. Specify **Type** as **FTP Object** while adding the object to the CMDB-X as shown below:

≡ ARGENT	OMEGA (2.2A-2	207-A)					A Home	🔅 Theme -	ে ^৩ 🗲 Argent Instant Help Abi	ාut Logout
Search						Server Or Device N	etwork Group	Scan Network	Properties	✓ S + × Ø
Network Group Or Machine	Туре	Alias		Licensed	Suspend	Location	Contact	Â	Group Or Key	Value
→ Demo Group	Network Group								Name	192.168.108.121
10.0.0.11	IP Device	AP6		Yes		MUMBAI				Argent Compliance Automator, Argent
10.0.0.22	IP Device	AP2				MUMBAI			Licensed Products	SNMP, Argent Omega for SQL
10.0.0.23	IP Device	AP5				MUMBAI			Aliza	Server, Argent Omega web Delender
10.0.0.24	IP Device	AP1				MUMBAI			Allas	
10.0.0.25	IP Device	AP4				MUMBAI			Hadden Factore and	
10.0.0.38	IP Device	AP3	Manually Add An I	Intry		[28 ×		Hosting Environment	
192.168.108.121	Windows Server								SNMP Managed	No
192.168.110.65	Windows Workstation		Name:		FTP_1				SQL Server Installed	NO
192.168.4.170	IP Device		Aliac						FICP Parameters	
192.168.4.180	IP Device		Allas.						System Into Caching Minutes	720
192.168.4.181	IP Device		Domain:						Monitoring Level	Normal
192.168.4.183	IP Device		VM Hosting En	vironment:	None 👻				Tier	Not Specified
192.168.4.210	IP Device		Type:		FTP Object				▶ Tag	
192.168.96.165	IP Device		Notwork Crow		First Naturali Cours				Location	MUMBAI
192.168.96.55	IP Device	CISCOROUT	Network Group		First Network Group	,			Contact	
AGT-PC	Windows 7 Ultimate		Location:		MUMBAI	•			Owner Accounts	
AI-2019-001	Windows 10 Pro				_				Default Settings	
AI-2019-002	Windows 10 Pro			OK		Cancel			▶ Time Zone Settings	
AI-2019-003	Windows 10 Pro						_		Critical	No
AI-2019-004	Windows 10 Pro			Yes					Ignored	No 🚽
AI-2019-005	Windows 10 Pro			Yes					Logical Dependency	
AI-2019-006	Windows 10 Pro			Yes					Installed Applications	
AI-2019-007	Windows 10 Pro			Yes					Display Options	Refresh
AI-2019-008	Windows Machine			Yes						
AI-76	Windows 8.1 Pro N			Yes					Group Or Key	Value
AI-AD-4	Windows 10 Pro			Yes					Show Objects	All
(

Then specify the following FTP service CMDB-X properties:

■ ARGENT	OMEGA (2.2A-22	207-A)				🚰 Home	🔅 Theme -	ر ئ Argent Instant Help	? 	D2
Search					Server Or Device	Network Group	Scan Network	Properties	✓ Ø	+ × Ø
Network Group Or Machine	Туре	Alias	Licensed	Suspend	Location	Contact	^	Group Or Key	Value	ĥ
192.168.108.97	Linux/UNIX		Yes		MUMBAI			Name	FTP_1	
192.168.111.1	IP Device		Yes		MUMBAI			Licensed Products	Argent Omega Web De	sfender
192.168.111.18	IP Device				MUMBAI			Alias		
192.168.111.2	IP Device		Yes		MUMBAI			v FTP Service		
192.168.111.3	IP Device		Yes		MUMBAI			IP Address	test.rebex.net	
192.168.111.4	IP Device	APC_UPS_003	Yes		MUMBAI			- Authentication		
192.168.111.5	IP Device		Yes					Logon User	demo	
192.168.37.1	IP Device		Yes		MUMBAI			Password	*******	
192.168.96.106	IP Device	switchbecab4	Yes		NEW YORK			Auth Mode	Basic	
192.168.96.57	IP Device		Yes		MUMBAI			Service Port	{default}	
2222	Linux/UNIX		Yes		NEW YORK			SSL Start Mode		
AI-2019-009	Windows Machine		Yes		MUMBAI			Type	FTP	
AI-MFC-102-W10	Windows 10 Pro		Yes							
AIX-1	Linux/UNIX		Yes		NEW YORK			Surtem Info Caching Minutes	720	
ARG-365	Microsoft 365 Service Unit				MUMBAI			System this Caching Minutes	V20	
ARGENT	URL Object		Yes		MUMBAI			Ties	Not Cossified	
AUBNECTX02	Windows Machine	Citrix Server 2	Yes		Brisbane				Not Specified	
AUWINCFS01	IP Device	Winnellie FS			Brisbane			▶ iag		
CNN	URL Object	https://edition.cnn.com/	Yes		NEW YORK			Location	MUMBAI	_ _
DND-MFC-SQL	Windows Server		Yes		MUMBAI			Contact		
FTP	FTP Object		Yes		MUMBAI			Owner Accounts		
FTP_1	FTP Object		Yes		мимват			Default Settings		
INTRANET	URL Object	https://intranettest.cardno.com			Brisbane			Time Zone Settings	Same as Location	
PERPRN01P	IP Device	Perth Print Server	Yes		Brisbane			Critical	No	
POP	Mail Object				MUMBAI			Display Options		Refresh

IP Address: The domain name or IP address of the FTP server.

Authentication: For SFTP sites, Authentication Mode can be any of the following:

- Password
- Keyboard Interactive

FTP sites only use basic Authentication.

Service Port: The port for the FTP service.

SSL Start Mode: Determines how the SSL negotiation to be started. It can be any one of the following:

- None: No SSL negotiation, no SSL security. All communication will be in plaintext mode.
- Automatic: If the remote port is set to the standard plaintext port of the protocol, the component will behave the same as if SSL Start Mode is set to Explicit. In all other cases, SSL negotiation will be Implicit.
- Implicit: The SSL negotiation will start immediately after the connection is established.
- Explicit: The component will first connect in plaintext, and then explicitly start SSL negotiation through a protocol commands.

Type: Select the service type. It can be either FTP or SFTP.

After configuring the required Internet Object, select **Test Connectivity** from context menu or click

from properties to do the connectivity test:

≡ ARGENT	OMEGA (2.2A-	2207-A)			💣 🌞 Home Theme -	েগ Argent Instant Help Abi	්) but Logout
Search				Server Or Device	e Network Group Scan Network	Properties	✓ S + × Ø
Network Group Or Machine	Туре	Alias	Licensed Sus	spend Location	Contact	Group Or Key	Value
192.168.108.97	Linux/UNIX		Yes	MOMBAL		Name	FTP_1
192.168.111.1	IP Device		Yes	MOMBAL		Licensed Products	Argent Omega Web Defender
192.168.111.18	IP Device			MOMBAL		Alias	
192.168.111.2	IP Device		Yes	MOMBAL			
192.168.111.3	IP Device		Yes	MOMBAL		IP Address	test.rebex.net
192.168.111.4	IP Device	APC_UPS_003	Yes	MOMBAL		- Authentication	
192.168.111.5	IP Device		Yes			Logon User	demo
192.168.37.1	IP Device		Yes	MOMBAL		Password	******
192.168.96.106	IP Device	switchbecab4	Yes	NEW YORK		Auth Mode	Basic
192.168.96.57	IP Device		Yes	MUMBAI		Service Port	{default}
			Yes	NEW YORK		SSL Start Mode	
AI-2019-009	Windows Machine		Yes	MUMBAI		Туре	FTP
AI-MFC-102-W10	Windows 10 Pro		Yes			TCP Parameters	
AIX-1	Linux/UNIX	Refresh		NEW YORK		System Info Caching Minutes	720
ARG-365	Microsoft 365 Service Unit	Suspend Monitorin	ng	MUMBAI		Monitoring Level	Normal
ARGENT	URL Object	Reactivate		MOMBAI		Tier	Not Specified
AUBNECTX02	Windows Machine	Citrix Save Changes		Brisbane) Tag	
AUWINCES01	IP Device	Winne Undo		Brisbane		Location	мимвал
CNN	URL Object	Add Property		NEW YORK		Contact	
DND-MFC-SQL	Windows Server	Delete		MUMBAI		Owner Accounts	
FIP	FTP Object	Discover Neighbor	Links	MOMBAL		Default Settings	
FTP_1	FTP Object	Wireless Clients		MOMBAI		Time Zone Settings	Same as Location
INTRANET	UKL Object	Device Configurati	on Backups	Brisbane		Critical	No
PERPRNO1P	IP Device	Set Critical Flag		Brisbane		Display Ontions	Refresh
POP	Mail Object	Set Ignore Flag		MOMBAL		bispidy options	
SMTP_1	Mail Object	Manually Add Con		MOMBAI		Group Or Key	Value
1651_365	Microsoft 365 Service Unit		ler-or bevice	MUMBAI		Show Objects	All
TEST_EMAIL	Mail Object	testar lest Connectivity		NEW YORK		Network Group	*
TEST_EMAIL-POP	mail Object	Bulk Licensing		101201		Monitoring Group	*
TEST_FTP	FIF Ubject	Export To Excel CS	5V	LONDON		Type	•
WIN-OL2016	windows Machine	Backup CMDB-X D	atabase	NEW YORK	▼		

Web Session Rules

Argent Omega Web Session Rules built-in with Chromium based browser to deliver automated website monitoring. Web Session Rules records specific user activities in a website and plays back the recorded sequence in Chromium browser to mimic user activities and collect performance metrics. You can record the user activities of any licensed URL object. The recorded activity of a URL object is called Web Session. Web Session Script is generated against each Web Session. Any number of Web Sessions can be created against a licensed URL object.

To create a new Web Session, go to Web Session Rules and click **Add New**. Then give a name for the Web Session:



To record a new Web Session, select Rebuild Session from context menu.

Note:

Make sure that Argent Omega Web Manager is installed in the machine on which Web Session is

recording. Other than the Primary Generator, it is possible to record Web Session from any machine that

can access Argent Omega WUI URL:



Select the licensed URL object from list and click OK:

= ARGENT OMEG	A (2.2A-2207-A)	A Horne	🛟 Theme -	(ग) Argent Instant Help	? About	U Logout	RW2
✓							
🕨 🕍 Argent Omega Baseline	Session Parameters Advanced What To Check (Conditions)						
Argent Compliance Automator	Properties Methods						
🔻 🕍 Argent Omega Web Defender	1						
🕨 🕍 Website Availability Rules	3						
🕨 🕍 Website Response Time Rules	4 5						
🕨 🕍 Website Reliability Rules	6 7						
🕨 🔚 Email Performance Rules	8						
🕨 🔤 FTP Site Rules	10						
Windows Service Rules							
Windows Performance Rules							
👻 🕍 Web Session Rules							
RTP_CHECK	Collect A UNI Obligat						
E RTP_TEST	Select A OKL Object						
🕨 🖬 Argent Omega for Microsoft 365	Name: Blaze Choses:						
Argent Omega for SNMP	APGENT						
🕨 🔤 Argent Omega for SQL Server	MOBOX						
Alerts	Argent_Help						
Monitoring Groups	CNN	_					
Relators							
▶ 🕍 Workflows							
▶ 🕍 Macros							

This will load the website specified in the URL object in Chromium browser and show the Argent Omega

Web Element Selector tool on the bottom right corner of the screen as shown below:



To record a user activity using Element Selector, refer the following Argent KBI article:

https://help.argent.com/#argent_sentinel_selector_new

After session recording is completed, you can see the session script in Session tab as shown below:

	🕆 🔥 🙀 🚱 Successfully Updated Web Session Rule: RTP_TEST
= ARGENT OMEG	JA (2.2A-2207-A) Home Theme - Argent Instant Help About Logout
✓ III Tool Sets	
🕨 🔛 Argent Omega Baseline	Session Parameters Advanced What To Check (Conditions)
Argent Compliance Automator	Properties Methods
🔻 📁 Argent Omega Web Defender	1 NavigateAndIgnoreTimeout "https://www.argent.com/"
🕨 🚞 Website Availability Rules	2 Click "a[href='/button_click.php?t=/products/products.php'].header-item", 0
🕨 🔚 Website Response Time Rules	4 5 Click "a[href+'/button_click.php?t+/products/commander.php'].bold", 0
🕨 🔚 Website Reliability Rules	6
🕨 🔤 Email Performance Rules	
FTP Site Rules	
Windows Service Rules	
Windows Performance Rules	
👻 🖬 Web Session Rules	
RTP_CHECK	
E RTP_TEST	
🕨 🕍 Argent Omega for Microsoft 365	
Argent Omega for SNMP	
🕨 🔚 Argent Omega for SQL Server	
Alerts	
Monitoring Groups	
Relators	
▶ 🚾 Workflows	
Macros	
Calendars	
✓ Model Administration	
👎 License (Admin Only)	
✓ In Generator Settings	
🕨 🕫 Argent Omega	
of Argent Alert Mechanism	
 o^o Argent Forecaster 	
 o^o Argent SIEM-Complete 	
2 Security	*** Ament Omena Web Mananer Must Be Installed First Refore Web Session Can Be Berorded Or Tested. Use Right Click Context Menu To Download Then Install Setup Parkane
Network Scan	итель оператие и влияще пои ве влаяваетие всего не всегое от какой озе купа спок сопекк тепо то волнова теп влави зекор такауе.
🕨 📜 Event Logs 🤍 🧹	Save Performance Data To The Argent Forecaster Using Data Store: (default)

To replay the recorded session in Chromium browser, click Run and Test Session context menu option:

= ARGENT OME	JA (2.2A-2210-A)	🐣 Home	🔅 Theme 🕶	८ % Argent Instant Help	? About	U Logout	RW22S
▶ 🔚 HP-UX	Session Parameters Advanced What To Check (Conditions)						
▶ 🖬 sco							
Argent Compliance Automator	Properties Methods						
👻 🔚 Argent Omega Web Defender	2						
Website Availability Rules	3 Click "a[href='/button_click.php?t=/products/products.php'].header-item", 0 4						
Website Response Time Rules	<pre>5 Click "a[href='/button_click.php?t=/products/commander.php'].bold", 0 6</pre>	dd New					
Website Reliability Rules	7	ave					
🕨 🔚 Email Performance Rules	9						
FTP Site Rules	10 11	elete					
Windows Service Rules		opy					
Windows Performance Rules	Re	ename					
▼ 🕍 Web Session Rules							
RTP_CHECK	Ed	dit Rule Runbook					
E RTP_TEST							
Argent Omega for Microsoft 365	Те	est Rule					
Argent Omega for SNMP							
Argent Omega for SQL Server	R	ebuild Session					
▼ 🐸 Alerts	R	un And Test Session					
Correction							
🕨 🔚 Notification	D	ownload Argent Omega Web Manager					
Alert Macro							
Monitoring Groups							
Relators							
Workflows							
▼ 🖬 Macros							
Email Recipients							
SMS Recipients							
Windows Services							
Windows Processes							
▶ 🖬 Users 🗸 🗸							

To test the Web Session Rule, click Test Rule context menu option:

■ ARGENT OME	GA (2.2A-2210-A)	📅 Home	🔅 Theme 🕶	ری) Argent Instant Help	? About	U Logout	RW22
MIL HP-UX Group Services Marcos Montoring Groups Mo	Session Parameters Advanced What To Check (Conditions) Properties Methods ItwigstandIgnoreTimeout "https://www.argent.com/" Click "a[href='/button_click.php?te/products/products/php?].header-item", 0 Click "a[href='/button_click.php?te/products/commander.php?].bold", 0 Add New Click "a[href='/button_click.php?te/products/commander.php?].bold", 0 Add New Image: Delete and the state and the stat	tunbook siston est Session Argent Omega Web Manager					

It is possible to customize the generated Web Session script. Argent Omega Web Defender provides

predefined Methods and Properties to allow the user to define required monitoring logic.

Predefined Properties:

= ARGENT ON	1EGA (2.2A-2207-A)		🚰 Home	🔅 Theme -	(්) Argent Instant Help	? About	U Logout	RV
🔻 🔚 Tool Sets								
🕨 🚧 Argent Omega Baseline	Session Parameters	Advanced What To Check (Conditions)						
Argent Compliance Automator	Properties Method	s						
🔻 🚧 Argent Omega Web Defender	Home URL	Home Address of URL Object (Read-only)						
Website Availability Rules	DisableNewWindow	Allow/Disallow New Window Popup (Write-Only)						
🕨 🕍 Website Response Time Rules	SaveWaterfall	Start/Stop Waterfall Capturing (Write-Only)						
🕨 🐸 Website Reliability Rules	OnErrorResume	VBScript Error Handling (Write-Only)						
Email Performance Rules	UserAgent	Set Custom User Agent Value (Write-Only)						
FTP Site Rules	FindElementInSeconds	Set Maximum Wait Time (Write-Only)						
Windows Service Rules	ScreenShotPath	Set Folder To Save Screen Shot (Write-Only)						
Windows Performance Rules	EmailScreenShot	Email Or Not Email Screen Shot if Error Happens (Write-Only)						
✓	ParamDefined	Test if A Indexed Parameter Is Defined (Read-Only)						
RTP_CHECK	Param	Get Value Of A Indexed Parameter (Read-Only)						
E RTP_TEST	MatchedParam	Get Matching Value Of A Indexed Parameter (Read-Only)						
Argent Omega for Microsoft 365	PageUrl	Get Current Page Address (Read-Only)						
Argent Omega for SNMP	Pagel oadTime	Get Loading Time of Current Page In Seconds (Read-Only)						
🕨 🚞 Argent Omega for SQL Server			1					
Alerts								
Monitoring Groups								
Relators								
Workflows								
Macros								
Calendars								
🕶 🚧 Administration								
📮 License (Admin Only)								
👻 📔 Generator Settings								
or Argent Omega								
 OP Argent Alert Mechanism 								
 o^o Argent Forecaster 								
of Argent SIEM-Complete								

Predefined Methods:

ets Sessio	Parameters Advanced	What To Check (Conditions)			
ent Omega Baseline					
Int Compliance Automator	Methods				
nt Omega Web Defender	Display	Write Message to Task Log			
ite Availability Rules 3 Click "	[href FireEvent	Register an Event to Be Fired through Argent Alert Mechanism			
Site Response Time Rules 5 Click "	[href SavePredictor	Save Performance Data to Argent Forecaster			
site Reliability Rules 7	SaveScreenShot	Screen Shot Current Page and Save to Local File			
il Performance Rules	SendEmail	Send Email Message			
' Site Rules	TestStringExist	Test If Current Page Contains Specified String			
dows Service Rules	Navigate	Navigate to A URL Address			
dows Performance Rules	NavigateAndIgnoreTimeout	Navigate to A URL Address And Ignore Timeout Error If Any			
Session Rules	Navigate2	Navigate to A URL Address with Advanced Options			
P_CHECK	StartPerfLog	Begin A Block Of Script To Record Performance Metrics			
P_TEST	EndPerfLog	Close A Block Of Script To Record Performance Metrics			
t Omega for Microsoft 365	WaitNewPage	Wait Until New Page Is Loaded			
t Omega for SNMP	WaitTimeout	Pause For Specified Seconds			
t Omega for SQL Server	ClassNeuWindow	Close Current Benun Window			
	Closenewwindow	Close Current Popup Window			
ng Groups	Acceptolalog	Piereira Correct Pieles Pro-			
	Dismissibilialog	Dismiss Current Dialog Box			
ws	AllowExternalUrl	Allow Specific External URL			
	IsElementDisabled	Test If A Element Is Disabled			
's	GetElementAttributeValue	Get Element Attribute Value			
tration	GetDownloadedFile	Get Downloaded File Path			
e (Admin Only)	MoveFileToFolder	Move A File to Specified Folder			
tor Settings	RaiseError	Raise Error And Terminate Script Execution			
nt Omega	ResetErrorState	Reset Current Error State If Any			
nt Alert Mechanism	GetErrorState	Return Current Error State			
Forecaster					

To use a method or property in Web Session script, select it from the dropdown list. The selected method

or property will be displayed in script box with the usage syntax.

For example, on clicking TestStringExist method, it displays in the script box like below:



Define Script Parameters

You can define Script Parameters in Parameters tab. The defined Parameters can be used in the Web

Session Script to enhance the monitoring. A set of predefined Properties are available to use the

Parameters in Session script. That will be described later in this document.

A set of Parameter values are enclosed with <PARAM_{Index}> and </PARAM_{index}>.

Example:

<PARAM_1> Apple Banana Kiwi Grape Orange Watermelon </PARAM 1>

Parameter index starts from 1. Any number of Parameters sets can be defined. It is possible to define

explicit parameters and from different sources such as external text file, external CSV file and ODBC

sources. To define an explicit parameter, click on the button in Parameters tab. This will add an empty Parameter block as shown below:



When you double click on an empty parameter block, "Permutation Options" dialog will be popped up.

There you can specify the Parameter values. It is possible to define following types of Explicit Parameters:

- Single Line Entries
- Multiline Entry
- Comment Commenting specific entries

Following screenshot defines single line Parameter values:

■ ARGENT OME	GA (2.2A-2207-A) Home Theme* Argent Instant Help About Logout
👻 🕍 Tool Sets	
🕨 🕍 Argent Omega Baseline	Session Parameters Advanced What to Check (Conditions)
Argent Compliance Automator	Permutations: Parameters
🔻 🔚 Argent Omega Web Defender	(ARAM_D)
Website Availability Rules	etware To
Website Response Time Rules	
Website Reliability Rules	Permutation Onlines
Email Performance Rules	
FTP Site Rules	- Evolicit Parameters
Windows Service Rules	Capitor Finite (Senerated By Carriane Return)
Windows Performance Rules	Migle Life Life (ceperate b) cerning recently Migle Life Life (ceperate b) cerning recently
👻 🕍 Web Session Rules	
RTP_CHECK	
RTP_TEST	Parameter lext:
🕨 🕍 Argent Omega for Microsoft 365	Banana Kini
Argent Omega for SNMP	Grape
🕨 🕍 Argent Omega for SQL Server	Orange Watermelon
Alerts	
Monitoring Groups	
Relators	
Workflows	
Macros	
Calendars	
👻 🕍 Administration	Elitiya text
Ticense (Admin Only)	
👻 🕍 Generator Settings	
or Argent Omega	OK Cancel
 o^o Argent Alert Mechanism 	
oº Argent Forecaster	
of Argent SIEM-Complete	
2 Security	
Network Scan	*** Argent Omega Web Manager Must Be Installed First Betore Web Session Can Be Recorded Or Tested. Use Right Click Context Menu To Download Then Install Setup Package.

The Encrypt Text option encrypts the Parameter values, so it is not possible to see it in plain text. After

specifying the Parameter Values, click OK. The Parameter values will be added in the list:

■ ARGENT OME	GA (2.2A-2207-A) Home T	🔅 Theme -	(*) Argent Instant Help	? About	U Logout	RW228
▼ 📶 Tool Sets	A Carrier Decomplete theorem Uter To Chard (Cardilion)					
🕨 🕍 Argent Omega Baseline	Session Parameters Advanced what to theor (conditions)					
Argent Compliance Automator	Permutations: Parameters			+ ×	<u> </u>	
🔻 🔚 Argent Omega Web Defender	<pre><pre><pre><pre>content</pre></pre></pre></pre>					
Website Availability Rules	Apple					
Website Response Time Rules	Banana					
Website Reliability Rules	Kiwi					
Email Performance Rules	Grape					
FTP Site Rules	Orange					
Windows Service Rules	Watermelon					
Windows Performance Rules						
✓ Image: web Session Rules						
RTP_CHECK						
E RTP_TEST						
Argent Omega for Microsoft 365						
Argent Omega for SNMP						
Argent Omega for SQL Server						
Alerts						L
Monitoring Groups						
Relators						
Workflows						
Macros						
Calendars						
✓ III Administration						
License (Admin Only)						
✓ Generator Settings						
P Argent Omega						
OP Argent Alert Mechanism						
Prove Argent Forecaster						
Argent SIEM-Complete						
2 Security						
Network Scan	*** Argent Omega Web Manager Must Be Installed First Before Web Session Can Be Recorded Or Tested. Use Right Click Context Menu	u To Downloa	d Then Install Setup Pack	age.		

To define Parameter values from external file or ODBC source, click source. This will popup

"Permutation Options" dialog as shown below:

 Mod Sets Mayer Compass Baseline Mayer Compass Automator Mayer Compass Web Defender Mayer Compass for Mouse Also Mayer Compass for SQL Server Mayer Compass for Mouse Also Mayer Compass for SQL Server Mayer Compass for Mouse Also Mayer Compass for SQL Server Mayer Compass for SQL Server Mayer Compass for SQL Server Mayer Compass for Meuse Also Ma	■ ARGENT OMEG	A (2.2A-2207-A)	Ame Home	🛟 Theme -	ে ৩ Argent Instant Help	? About	് Logout	RW22S
		Session Parameters Apple Immutations: Parameters Apple Imput Permutation Files Grane Imput Permutation Files Grane Imput Permutation Files Grane Imput Permutation Files Imput Permutation Files Imput Permutation Files						

For ODBC SQL Query option, need to specify the SQL Server machine and database details, SQL query,

etc. Use **Choose Database** option to specify SQL Server machine and database details:

				C ⁽⁾⁾ Argent Instant Help Ab	out Logout
▼ IIII Tool Sets					
Im Argent Omega Baseline Ses	Select SQL Database		RW22D ×		
Im Argent Compliance Automator Permutati	ie				× • + +
✓ IIII Argent Omega Web Defender <param_2< p=""></param_2<>	Database Type:	MS SQL Server			
Im Website Availability Rules CODBC>	SQL Server:	AI-2019-009			
Image: Second Seco	Use Mirror Server				
Website Reliability Rules Driver={S0					
Imail Performance Rules	Database:	AT 🔹	Populate Database		
Image: The Rules Image: Contract of Contract	Logon:	sa			
Windows Service Rules SELECT	Password:				
Windows Performance Rules	Confirm Descuord				
✓ Meb Session Rules / /</td <td>Confirm Password:</td> <td>•••••</td> <td></td> <td></td> <td></td>	Confirm Password:	•••••			
RTP_CHECK		Use Trusted Connection			
E RTP_TEST	ODBC:	SQL Server			
Margent Omega for Microsoft 365					
Argent Omega for SNMP					
Argent Omega for SQL Server	C	IK Ca	ncel		
→ M Alerts					
Im Monitoring Groups					
Relators					
Morkflows	Choose Database:	(COL Convert) (Convert AL 2010, 000) Database - ATUlia			
▶ Im Macros	Choose Database.	-COOL Server 7, Server - At-2019-009, Database - A1, Old			
▶ 🕍 Calendars					
✓ Main Administration					
Ticense (Admin Only)		ОК	ancel		
✓ III Generator Settings					
► d® Argent Omega					
ø Argent Alert Mechanism					
► o ^o Argent Forecaster					
of Argent SIEM-Complete					
2 Security					

An ODBC SQL Query parameter looks like below:

■ ARGENT OMEC	GA (2.2A-2207-A)	🚮 Home	🔅 Theme -	ر») Argent Instant Help	? About	U Logout	RW22S
▼ Tool Sets							_
Argent Omega Baseline	Session Parameters Advanced What To Check (Conditions)						
Argent Compliance Automator	Permutations: Parameters				+ ×	📀 🕇	+
Argent Omega Web Defender	COARAM 25						
Website Availability Rules							
Website Response Time Rules	<pre><pre>clsiv></pre></pre>						
Website Reliability Rules	Driver={SQL Server};Server=AI-2019-009;Database=AT;Uid=sa;Pwd={\197\239\208\200\218\205\142\141\140}						
Email Performance Rules							
FTP Site Rules	<query></query>						
Windows Service Rules	SELECT						
Windows Performance Rules							
👻 🖬 Web Session Rules	00BC						
RTP_CHECK							
E RTP_TEST							
Argent Omega for Microsoft 365							
Argent Omega for SNMP							
Argent Omega for SQL Server							
Alerts							
Monitoring Groups							
Relators							
▶ 🔚 Workflows							
Macros							
Calendars							
👻 🔚 Administration							
Ticense (Admin Only)							
👻 🔚 Generator Settings							
► 🕫 Argent Omega							
 oº Argent Alert Mechanism 							
 o^o Argent Forecaster 							
of Argent SIEM-Complete							
2 Security				different state of the second			_
Network Scan	Argent Omega web manager must be installed First Before Web Session Can be Recorded Or Tested. Use Right Click	K Context M	ienu to Downloa	ad Then Install Setup Pack	age.		

Use External Text File option to retrieve Parameter values from text or CSV file.

While Web Session Rule execution, the Parameters will be filled with the values read from specified Text,

CSV or ODBC sources.

To use the Parameters in Web Session Script, following predefined Properties can be used:

ParameterDefined: Test if a Parameter with specified index is defined or not.

Param: Get the random Parameter value from a Parameter with specified index.

MatchedParam: Get the matching value from an indexed Parameter:

■ ARGENT OM	IEGA (2.2A-2207-A)		A Home	🔅 Theme -	(1) Argent Instant Help	? About	U Logout	
Tool Sets								
🚧 Argent Omega Baseline	Session Parameters	Advanced What To Check (Conditions)						
Magent Compliance Automator	Properties Methods	5						
Argent Omega Web Defender	Home URL	Home Address of URL Object (Read-only)						
Website Availability Rules	DisableNewWindow	Allow/Disallow New Window Popup (Write-Only)						
Website Response Time Rules	SaveWaterfall	Start/Stop Waterfall Capturing (Write-Only)						
Website Reliability Rules	OnErrorResume	VBScript Error Handling (Write-Only)						
Email Performance Rules	UserAgent	Set Custom User Agent Value (Write-Only)						
FTP Site Rules	FindElementInSeconds	Set Maximum Wait Time (Write-Only)						
Windows Service Rules	ScreenShotPath	Set Folder To Save Screen Shot (Write-Only)						
Windows Performance Rules	EmailScreenShot	Email Or Not Email Screen Shot if Error Happens (Write-Only)						
Web Session Rules	ParamDefined	Test if A Indexed Parameter Is Defined (Read-Only)						
RTP_CHECK	Param	Get Value Of A Indexed Parameter (Read-Only)						
RTP_TEST	MatchedParam	Get Matching Value Of A Indexed Parameter (Read-Only)						
Argent Omega for Microsoft 365	PageUrl	Get Current Page Address (Read-Only)						
Argent Omega for SNMP	PageLoadTime	Get Loading Time of Current Page In Seconds (Read-Only)						
Argent Omega for SQL Server								
erts								
onitoring Groups								
elators								
orkflows								
acros								
alendars								
dministration								
License (Admin Only)								
Generator Settings								
Argent Omega								
P Argent Alert Mechanism								
⁰ Argent Forecaster								
of Argent SIEM-Complete								

Advanced Options In Web Session Rule

Advanced tab contains the options to configure Chromium browser for session recording and replay:

= ARGENT OMEG	БА (2.2А-2207-А)		🚮 Home	🔅 Theme -	ری Argent Instant Help	? About	U Logout	RW22S
✓	Session Darameters Advanced What To Check (Conditions)							
Argent Omega Baseline	Jession Parameters Auvanced What to Check (Conditions)							
Argent Compliance Automator	If Web Monitoring Logic Failed, Re-run Recorded Session For At Most:	2 🗘 Times						
 Argent Omega Web Defender 	Timeout If Web Session Runs More Than:	250 😂 Seconds						
Website Availability Rules	Apply Additional Script Driver Delay:	250 C Milliseconds						
Website Response Time Rules	Run Browser With View Port:	1920:1080						
Website Reliability Rules	Extra Chrome Arguments:							
Email Performance Rules								
FIP Site Rules	Block Elements From External Web Sites (eg: Advertisement Display)							
Windows Service Rules	Disallow Popup Window							
Web Session Pules	Turn Off Headless Mode							
	Start Browser In Incognito Mode							
Argent Omena for Microsoft 365								
Argent Omega for SNMP								
Argent Omega for SOL Server								
> Alerts								
Monitoring Groups								
Relators								
Workflows								
Macros								
Calendars								
← Internation								
👎 License (Admin Only)								
✓ I Generator Settings								

Configure **If Web Monitoring Logic Failed**, **Re-run Recorded Session For At Most** option to retry the script execution in specified number of times if the script execution failed.

Configure **Timeout If Web Session Runs More Than** option to break the Web Session Rule with timeout exception if the script execution takes more than the specified seconds.

Configure **Apply Additional Script Driver Delay** option to slow down the script execution by the specified

number of milliseconds.

Configure Run Browser With View Port option to set the screen size of Chromium browser.

Specify additional script driver argument in Extra Chrome Arguments input box.

Check **Block Elements From External Web Sites** option to block external website popup while session recording.

Check **Disallow Popup Window** to block popup window while session recording.

Check Turn Off Headless Mode option to run the Chromium browser in non-headless mode.

Check Start Browser In Incognito Mode option to run the Chromium browser in Incognito mode.

What To Check (Conditions) In Web Session Rules

Configure Web Session Rules breaking conditions in What To Check tab:

= ARGENT OME	GA (2.2A-2207-A) GA (2.2A-2207-A)
	Session Parameters Advanced What To Check (Conditions) Response Limits Over 30 \$ Seconds To Process One Step Over 30 \$ Seconds To Execute The Whole Session Over 3 \$ Seconds To Ping The Web Server Over 10 \$ Hops To Trace Route To Web Server Over 3 \$ Seconds To Resolve The URL By DNS
Windows Performance Rules Web Session Rules RTP_CHECK RTP_TEST Argent Omega for Microsoft 365 Argent Omega for SNMP Argent Omega for SQL Server Argent Omega for SQL Server Argent Omega for SQL Server	Encountering Any Of Page Errors O (Bad URL) O (Bad Request) O (Dad URL) O (Dad
 If Anotoring Groups If Relators Workflows Macros Calendars Calendars Calendars Generator Settings Or Argent Omega Or Argent Alert Mechanism P or Argent Laret Mechanism 	EXclude Following UKLS From Error Checking (WildCard IS Allowed)
of Argent SIEM-Complete Security Metwork Scan	Argent Omega Web Manager Must Be Installed First Before Web Session Can Be Recorded Or Tested. Use Right Click Context Menu To Download Then Install Setup Package.

Configure the following Response Limit Thresholds in **Response Limits** section:

Configure Over N Seconds To Process One Step option to alert Web Session Rules if execution time of

recorded single script statement exceeds the threshold.

Configure Over N Seconds To Execute The Whole Session option to alert Web Session Rules if

execution time of whole recorded script exceeds the threshold.

Configure Over N Seconds To Ping The Web Server option to alert Web Session Rules if the time taken

to ping to the website's web server exceeds the threshold.

Configure Over N Hops To Trace Route To Web Server option to alert Web Session Rules if the number

of hops to Trace Route website's web server exceeds the threshold.

Configure **Over N Seconds To Resolve The URL By DNS** option to alert Web Session Rules if time taken to resolve the URL by DNS exceeds the threshold.

Select HTTP response status codes in **Encountering Any Of Page Errors** section, so that the Web

Session Rules will break if any recorded script statement return any of the selected status codes. There is

an option to exclude URLs from status code checking. Configure the URLs to be excluded in Exclude

Following URLs From Error Checking section.

By checking the option **Ping Web Server And DO NOT Run Sessions If URL Is Inaccessible**, the Rule will not execute the session script if the ping to the website's web server is failed. By checking the option **Attach Detailed Task Log To Email Alert If URL Is Inaccessible**, the Rule will

attach the task log to email alert if the website URL is inaccessible.

By checking the option **Ignore Errors Of All URLs Other Than Target URL And Subfolders**, the Rule will ignore errors of URLs other than main website URL and it's sub URLs.

Website Availability Rules

The Website Availability Rules in Argent Omega Web Defender checks the availability of website specified in URL object. It also checks the availability of URLs configured in **Vital URLs To Check** CMDB-X property. There is an option to save the predictor data (1 = site is UP, 0 = site is DOWN) to the Argent Forecaster:

= ARGENT OME	GA (2.2A-2207-A		🚮 Home	🔅 Theme -	ر ئ Argent Instant Help	? About	U Logout	RW3S
	Rule Is Broken If Web; Save Performance Dai Tag 1: Tag 2: Tag 3: Post Event Even If The Do So Only After Ignore The Same Out Post Event Out) After After Event Is Post After Event Is Post After Frent Is Answer After Frent Is Answer After Frent Is Answer After Cuntler Console Comment:	site Is Not Available ta To The Argent Forecaster Using Data Store: (default) e Same Event Is Still Outstanding (Unanswered) 1 Hour	•					
Workflows		web Page is Not Available						
Macros	Description:							
Calendars	Check Availability Of Web Page						FU	li Screen
Administration License (Admin Only)								
✓ Generator Settings								
► 🕫 Argent Omega								
 or Argent Alert Mechanism 								
o° Argent Forecaster								
• oº Argent SIEM-Complete								
2 Security								

Website Response Time Rules

The Argent Web Site Response Time Rules ensure a website is fully loaded within a given number of seconds. This Rule can be configured to alert if the website loading (response) time exceeds the configured threshold.

The **Save Predictor Data Only** option ensures that no alerts will be fired, it only saves the response time value to Argent Forecaster:

■ ARGENT OME	GA (2.2A-2207-A) CO CO Home Theme - Argent listant Help About Logout
	Save Predictor Data Only Rule Is Broken If Response Time In Seconds Is Greater Than Threshold Threshold 1 (Critical): 30 \$ Not Used Threshold 2 (Medium Priority): 0 \$ Not Used Threshold 3 (Low Priority): 0 \$ Not Used Ignore Base URL Ignore Base URL
🕨 🚞 Email Performance Rules	Check Following Lower-Level URLs Below Base URL + 🗶 🕇 🦊
	No data to display
Argent Omega for SQL Server	
Alerts	
Monitoring Groups	
Relators	
Workflows	ino data to display
Macros	
 Calendars Administration 	
 License (Admin Only) Generator Settings oP Argent Omega oP Argent Alert Mechanism oP Argent SIEM-Complete Security 	Save Performance Data To The Argent Forecaster Using Data Store: (default) Tag 1: Tag 2: Tag 2: Tag 3: Post Event Even If The Same Event Is Still Outstanding (Unanswered) Do So Only After Tag 3: D
 Metwork Scan Event Logs 	Jose Service Same Outstanding Event If Alerts Were Fired More Than 1 Hour 0 Minutes Ago

Configure the response time threshold in Rule Is Broken If Response Time In Seconds Is Greater Than

Threshold section.

The Ignore Base URL option is for checking ONLY the lower-level URLs listed. Specify the lower-level

URLs in Check Following Lower-Level URLs Below Base URL section.

This Rule also checks for a given string within the embedded content of a web site. Configure this in Rule

Is Broken If The Following Conditions Are True section.

Website Reliability Rules

The Argent Website Reliability Rules check <u>EVERY</u> hyperlink within a website. This feature goes through a website checking for broken links, missing images, etc. You can adjust the depth of the scan by setting the control variable **Maximum Number Of Pages To Process**. Set here the maximum number of pages to monitor. Use 9,999 if there is no limit to the number of pages to monitor.

Check **Cancel Downloading If Broken Link Is Found** option to cancel downloading if a broken link is found.

Configure URLs in Exclude Following URLs From Checking section to skip it from checking:

■ ARGENT OME	GA (2.2A-2207-A			🔥 Home	🛟 Theme -	ری) Argent instant Help	? About	U Logout	RWE
▼ 🐸 Tool Sets	Rule Is Broken When A	ny Bad Or Missing Links Are Detected							
🕨 🕍 Argent Omega Baseline	11-1-1-1-0(r								
Argent Compliance Automator	Maximum Number Of F		Ð						
👻 🖬 Argent Omega Web Defender	Cancel Downloading I	f Broken Link Is Found							
Website Availability Rules	Exclude Following URLs From	n Checking						+ ×	↑ ↓
🕨 🐸 Website Response Time Rules									
👻 🔤 Website Reliability Rules									
WR_CHECK_HOME_PAGE									
WR_QUICK_CHECK			No data to display						
Email Performance Rules									
FTP Site Rules									
Windows Service Rules	Rule Is Broken If Any	Error Occurred							
Windows Performance Rules	Save Performance Da	a To The Argent Forecaster Using Data Store	{default}	-					
Web Session Rules	Tag 1:	a to the signification costs of only bala otorer							
Argent Omega for Microsoft 365	Tag 2:		\equiv						
Argent Omega for SNMP	Tag 2.								
Argent Omega for SQL Server	Tag 3:								
Alerts	Post Event Even If The	e Same Event Is Still Outstanding (Unanswered)							
Monitoring Groups	Do So Only After	1 Hour 0 C Minutes Since Event	Is Post						
Relators	Ignore The Same Out	standing Event If Alerts Were Fired More Than	1 🗘 Hour 🛛 0 💭 Minutes Ago						
 Workflows Massas 	Post Event Only After	Rule Is Broken 2 Or More Times							
 Macros En Calendare 	Denot Country								
	Reset Counter								
License (Admin Only)	Article Leten is a road								
Generator Settings	Area Event a subset								
Orienticol Securitys									
Of Argent Alert Mechanism	Application:								
of Argent Forecaster	Reference URL:								
OP Argent SIEM-Complete									
Security	Console Comment:	*** Found Broken Links in Home Page ***							
Network Scan	Description:								
		V V V							() ()

Email Performance Rules

Note:

Please read Configure Mail Object in CMDB-X section to configure Mail object in CMDB-X.

The Argent Email Performance Rules monitor the email sending and receiving capabilities of a SMTP, POP3 and IMAP objects and test round-trip email performance. The performance data is saved for trend analysis using the Argent Forecaster. A round-trip email is a synthetic email message generated by Argent. Then Argent sends the email to the **Destination Email Address** configured in CMDB-X and calculates the time consumption of the entire process:

■ ARGENT OMEGA	(2.2A-2207-A) Home Theme * Argent Instant Help About Logout			
👻 🔚 Tool Sets	- Tet Enail Information			
🕨 🔚 Argent Omega Baseline				
Argent Compliance Automator	Subject: Test Performance of Email Server			
👻 🖬 Argent Omega Web Defender	Attachment:			
Website Availability Rules	Morrane: This is a sample of Email Deformance Monitor			
Website Response Time Rules	ressage: This is a sample of Email Performance Promotion			
🕨 🔤 Website Reliability Rules				
🔻 🐸 Email Performance Rules	Checking For New Incoming Mail Every 60 Seconds			
ERTT_EMAIL_PERFORMANCE_ROUND_TRIP_DEBUG	🖉 Broken if Total Round Trip Time Exceeds 180 🗧 Seconds			
ERTT_EMAIL_PERFORMANCE_ROUND_TRIP_TEST	Retain Email Message In User's Mailbox			
ERTT_EMAIL_PERFORMANCE_SEND_TEST_ONLY	Rule Is Broken If Any Error Occurred			
ERTT_EMAIL_PERFORMANCE_TREND_ANALYSIS	Conservations of the foreign foreign foreign foreign and the foreign of the forei			
FTP Site Rules	Save ventimance bata to the Argent Porecaster Using Data store: (toeauty)			
Windows Service Rules	Idy I.			
Windows Performance Rules	Tag 2:			
Web Session Rules	Tag 3:			
Argent Omega for Microsoft 365	Post Event Even If The Same Event Is Still Outstanding (Unanswered)			
Argent Omega for SNMP	Do So Only After 1 Hour 0 Minutes Since Event Is Post			
Argent Omega for SQL Server	Innore The Same Outstanding Event If Alerts Were Fired More Than			
Alerts	Ignore me same outsaming event it were rice wore rinem in hour of minutes ago			
Monitoring Groups	Post Event Only After Kule is Broken 2 C Or More Times			
Relators	- Reset Counter			
Workflows	After Event Is Post			
Macros	After Event Is Answered			
Calendars	After The Actual Condition Is Corrected			
✓ Multiple Administration				
🖣 License (Admin Only)				
▼ Generator Settings	Reference URL:			
Ø Argent Omega	Console Comment: *** Email Clourdown Detected ***			
 o^o Argent Alert Mechanism 				
 o^o Argent Forecaster 	Description:			
 o^o Argent SIEM-Complete 	B Z U Format Block Fort Fort Fort Fort Fort Fort Fort Fort			
2 Security	This Rule breaks if the round trip time exceeds the limit			

Subject, Attachment and Message are the three common fields used to simulate any type of email

message.

Configure Checking For New Incoming Mail Every X Seconds to specify the number of seconds to wait

before checking for incoming email.

Broken If Total Round Trip Time Exceeds X Seconds specify the limit in seconds for an email to be sent

and re-read back. If this number of seconds is exceeded, the Rule is broken, and an alert will be fired by

the Argent Alert Mechanism.

Check **Retain Email Message In User's Mailbox** option to retain email messages in the user's mailbox -typically used for troubleshooting purposes, or to retain a record of each test.

FTP Site Rules

Note:

Please read **Configure FTP Object in CMDB-X** section to configure FTP objects in CMDB-X.

The Argent FTP Site Rules test the existence of a file by downloading files from an FTP server. The Rule is broken if one of the specified files doesn't exist, or optionally does exist, depending on the Rule settings:

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■ ARGENT OMEGA	(2.2.4-22.0.7-A) Home Theorem Argent Instant Help About Logaut
▼ 📶 Tool Sets	Files At FTP Site To Download For This Test (Wildcards Allowed) + X 🕇 🕂
🕨 🔚 Argent Omega Baseline	/pub/SOME_VITAL_FILE
Argent Compliance Automator	
🔻 🔚 Argent Omega Web Defender	
Website Availability Rules	
Website Response Time Rules	
Website Reliability Rules	
Email Performance Rules	Toggle "Rule Is Broken If File Exists"
✓ I FTP Site Rules	Check Only Files With File Size Value is Greater Than 0 Bytes
FTPS_EXIST_PUB_FILES	
<pre>FTPS_EXIST_VITAL_FILE</pre>	Check Only Files With Last Write Time Older Than O Older Than O Older Than O Minutes
FTPS_NOT_EXIST_PUB_FILES	🕜 Do Not Traverse Subdirectories
Windows Service Rules	Check File Existence Only
Windows Performance Rules	
Web Session Rules	Wue is broken When Any Error Occurred
Argent Omega for Microsoft 365	Save Performance Data To The Argent Forecaster Using Data Store: {default}
Argent Omega for SNMP	Tag 1:
Argent Omega for SQL Server	Tag 2:
Alerts	Tag 3:
Monitoring Groups	Post Event Even If The Same Event Is Still Outstanding (Unanswered)
Relators	
Workflows	
Macros	Ignore The Same Outstanding Event If Alers Were Fired More Than
Calendars	Post Event Only After Rule Is Broken 2 💭 More Times
👻 🔚 Administration	Reset Counter
Ticense (Admin Only)	After Event Is Post
💌 🔚 Generator Settings	After Event Is Answered
• of Argent Omega	After The Actual Condition Is Corrected
 o^o Argent Alert Mechanism 	
 o^o Argent Forecaster 	Application:
 o^o Argent SIEM-Complete 	Reference URL:
2 Security	
Network Scan	Console Comment. [*** Vital File Not Found In FTP Server ***]

Specify files to be downloaded from the FTP site in Files At FTP Site To Download For This Test

(Wildcards Allowed) section.

Check the option **Do Not Traverse Subdirectories** to prevent checking the files in subfolders.

Check the option Check File Existence Only to verify only the existence of the file. No download occurs

with this option selected.

Windows Performance Rules

Argent Omega Web Defender contains set of predefined Rules to monitor the following critical performance metrics of IIS Web Server:

- Active Requests
- Active Threads Count
- Number of Current Files Cached
- Number of Current Metadata Cached
- Number of Current URIs Cached
- Rate of File Cache Hits per Second
- Current File Cache Memory Usage
- Rate of Metadata Cache Misses per Second
- Number of Metadata Cache Flushes
- Number of Metadata Cache Hits
- Rate of Metadata Cache Hits per Second
- Number of Metadata Cache Misses
- Number of Requests per Second
- Rate of URI Cache Hits per Second
- Bytes Received per Second
- Bytes Sent per Second
- Connection Attempts per Second
- Current Anonymous User Connections
- Current Non-Anonymous User Connections
- Active User Connections
- GET Requests per Second
- POST Requests per Second

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