ARGENT®



Argent Omega for SNMP

www.Argent.com

GC33-4001-1

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Introduction

In today's complex network of switches, routers, and servers, managing all these devices is a challenging task – the network sooner or later encounters issues and slows down. It is critical for system administrators to monitor the entire network closely and to see the network as a whole, not just as single devices.

Network devices support the network management protocol, sharing management information. There are various protocols available to support network management, including the popular Simple Network Management Protocol (SNMP) that comes pre-bundled with SNMP agents for most network devices.

SNMP is an application-layer protocol for monitoring and managing network devices on a local area network (LAN) or wide area network (WAN).

Argent Omega for SNMP communicates with all devices, allowing network administrators to track network performance, diagnose and manage network faults, and plan network capacity and growth.

Argent Omega for SNMP Tool Sets provide Instant Best Practices for monitoring SNMP-compliant devices. Both sides of SNMP are supported by proactively checking SNMP statistics while also listening for SNMP Traps. All SNMP-enabled devices or applications, such as bridges, hubs, switches, routers, network servers, power supplies, and environmental controls, can be monitored.

Log-On Screen

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Argent has been i management busi and has over 2,00 worldwide.	the systems Argent Omega	
Argent is the Indu Monitorian and At	stry Leader in	
	User Name	
Read More	Enter Name	
	Password	
	Enter Password	
	Keep Me Signed In	
	Log In	
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	Copyright © 1991-2025 Argent Software. All Rights Reserved	

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

Three types of user accounts can be logged into Argent Omega:

- Windows User Accounts
- Argent Demo Accounts
- Argent Internal Accounts

Argent Omega uses Windows authentication to login Windows user accounts. If the Argent server is in Active Directory Domain environment, then users are authenticated by Active Directory. If the machine is Standalone or Workgroup, local Windows user authentication is used. **To use Windows user accounts, a better approach is to create a separate user group for Windows users and assign the required rights.**

Argent Demo Accounts can be created in the Argent Omega Security section and are used for demonstration purposes. These are read-only accounts and use Argent private authentication to login to Argent Omega. Usually, Argent Demo Accounts are used for a few days or weeks and the access is limited to specific IP addresses.

Argent Internal Accounts also can be created in Argent Omega Security section, and behave like normal Windows accounts. It uses Argent private authentication for login.

Argent Omega username is case insensitive and Password is case sensitive.

Home Screen

After login, Argent Omega redirects to Home screen, shown below (note the very useful Super Find):



Meraki Prerequisites

To use the Meraki feature, the Meraki API key is specified in the Argent Omega settings under **Generator Settings**. Meraki is a cloud-based management protocol for Cisco wireless access points (APs). A common use case is identifying the current wireless clients of a selected Meraki device.

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Gane Omega for Oracle Argent Omega for Oracle Argent Omega for SNUP Argent Omega for SNUP Argent Omega for SNUP Argent Omega for VMware Argen	Send Internal Events To Email Address: Internal Events For Notification G Shared Task Executor Process Pool Size: Default Monitoring Interval (Low,Normal,High,Critical): Max Relator Trace Log Size: Purge Workflow Audit Logs Older Than: Keep Task Execution Info For Days: Prevent Firing The Same Internal Event Within Interval: Delay Firing Internal Event: Max Allowed Lapse For Active Generator:	Escalate Resolvable Events If They Are Not Resolved (default) 10 30,15,5,1 10 KB 3055 Days 7 Truncate Task Execution History Daily 60 Hinutes 00 Seconds 15 Minutes	(Separated By	(Commae)			
Argent Omega of Argent Alert Mechanism of Argent Forecaster of Argent SIEM-Complete Security Gredential Manager Metwork Scan Event Logs	Auto Logori: Meraki API Key: Default Location: Default Contact: Default LINUX/Unix Relay Agent: Default Log Event Format: Administrative Protection Password: Run System Integrity Check	IS FINDLES THERUVANANTHAPURAM Individual Combined With Latest Event Message Individual	Combined W	ith Full Event Message			

CMDB-X

In the software industry, CMDB stands for <u>C</u>onfiguration <u>M</u>anagement <u>D</u>ata<u>B</u>ase. Argent added the 'X' for e<u>X</u>tensible.

A recent example highlighting the importance of this flexibility is a customer who added a custom field to their CMDB-X to track the license expiry of their firewall. By enabling custom fields, Argent CMDB-X allows customers to utilize it as a comprehensive IT Asset Management tool.

Argent CMDB-X provides an easy and streamlined way to manage all critical servers and devices, as well as all server and device properties and licensing, **all from a single screen.** Argent CMDB-X simplifies the process of adding multiple servers and devices in one batch – 11 or 77,000 -- license them to multiple Argent Omega Products and assign them to existing or new Locations and Network Groups, **all with a <u>single</u> click**.

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

It also supports importing data from Excel files.

Additionally, Argent CMDB-X allows manual addition or removal of servers and devices, bulk licensing, and connectivity testing of monitored assets.

To access CMDB-X, select 'CMDB-X' from the Home Screen:



The CMDB-X screen is shown below:

=	ARGENT O	MEGA (2.2A-250)	-в)				Home	🔅 Theme -	(1) Argent Instant Help	? About	්) Logout	D2
Ø	Search					Server Or Device Net	twork Group	Scan Network	Properties		✓ C + 3	× 0 🗎
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	✓ First Network Group	Network Group				косні			Туре	Net	work Group	
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	192.168.110.102	Windows Server		Yes		MUMBAI			Contact			
6	192.168.110.54	Windows Server		Yes		MUMBAI			Preferred Generators			
STRACE.	192.168.110.61	Windows Workstation		Yes		MUMBAI			Default Credentials			
園	192.168.110.63	Windows Workstation		Yes		MUMBAI			Extended Properties			
EE0	192.168.110.65	Windows Workstation		Yes		MUMBAI			Description			
B	192.168.110.73	IP Device		Yes		NEW YORK						
	192.168.110.75	IP Device	WIN2022-TEST01	Yes		NEW YORK						
	192.168.111.1	IP Device		Yes		UAE						
	192.168.111.2	IP Device		Yes								
	192.168.111.3	IP Device		Yes								
	192.168.111.4	IP Device	APC_UPS_003	Yes		косні						
0.0	192.168.111.7	IP Device		Yes								
×	192,168.111.8	IP Device		Yes		UAE						
_	192.168.96.106	IP Device	switchbecab4	Yes		DALLAS			Display Options		Reset	Refresh
0	AI-MFC-102-W10	Windows Workstation				MUMBAI			Group Or Key	Valu		4
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and the second s	ARGENT	URL Object	Argent Website	Yes		JAPAN			Group Name	-		
	ARGENT_HELP	URL Object		Yes		косні		-	Monitoring Group			
Copyright (1991-2025 Argent Software. All Rights	Reserved						Admin Usi	ar: Anytime-Support\Triv (Clier	it IP: 192.168	.37.195 Security:	Smart)

Argent Omega for SNMP supports monitoring the following types of servers and devices:

- IP Devices
- Linux
- Windows Server

To add SNMP-compliant devices to Argent CMDB-X, either use network scan option **Discover SNMP Devices**, or use **Manually Add Server/Device** context menu option.

For automatic discovery of SNMP devices, choose **Discover SNMP Devices** from **Scan Network** popup menu:

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i i i	Enterprise Applications	Network Group						Discover SNMF	P Devices		First Network Group	p
	✓ First Network Group	Network Group				косні		Windows Clust	er		Network Group	
F	192.168.108.126	Linux/UNIX		Yes		NEW YORK		VMware Infras	tructure		KOCHI	
	192.168.110.102	Windows Server		Yes		MUMBAI		Azure Virtual R	Resource			
16	192.168.110.54	Windows Server		Yes		MUMBAI		Meraki Devices	5			
- And a	192.168.110.61	Windows Workstation		Yes		MUMBAI		Network And P	rivate Printers	-		
A	192.168.110.63	Windows Workstation		Yes		MUMBAI		Import From A	al Excel File	-		
E O	192.168.110.65	Windows Workstation		Yes		MUMBAI		- Import Externa	Description			
	192.168.110.73	IP Device		Yes		NEW YORK						
124	192.168.110.75	IP Device	WIN2022-TEST01	Yes		NEW YORK						
	192,168.111.1	IP Device		Yes		UAE						
	192.168.111.2	IP Device		Yes								
	192.168.111.3	IP Device		Yes								
	192.168.111.4	IP Device	APC_UPS_003	Yes		косні						
Real Property lies	192.168.111.7	IP Device		Yes								
×	192.168.111.8	IP Device		Yes		UAE						
_	192.168.96.106	IP Device	switchbecab4	Yes		DALLAS			Display Options		Res	et Refresh
3	AI-MFC-102-W10	Windows Workstation				MUMBAI			Group Or Key		Value	-
_	AJS-TEST	Windows Server				THIRUVANANTHAPURAM			Show Objects		41	
Ci i	AJS-TEST-ONE	Windows Server				THIRUVANANTHAPURAM			Organize By Group Categ	ory	Network Group	
	ARGENT	URL Object	Argent Website	Yes		JAPAN			Group Name			
	ARGENT_HELP	URL Object		Yes		косні			Monitoring Group			
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The following dialogs are displayed when asking the SNMP parameters to scan SNMP devices:

=	ARGENT OM	EGA (2.2A-2501-B)					A Home	🔅 Theme -	(*) Argent Instant Help Abo	ل ut Logout	D2
Ø.	Search					Server O	r Device Network Group	Scan Network	Properties	✓ ¢ +	× 0 m
	Network Group Or Machine	Туре	SNMP Managed Devices Scanning	1			D2I ×		Group Or Key	Value	<u>é</u>
i	Active Directory	Network Group							Name	10.34.43.102	
	First Network Group	Network Group	SNMP Credentials:				+ / ×		Licensed Products	Argent Omega for VM	hvare
	▼ VMware	Network Group	Version				vel		Alias		
	10.34.43.102	VMware ESX Host	SNMPv3	8	puser	Authentication	n And Privacy		Serial Number		
D.	10.34.43.122	VMware ESX Host							Category		
	Cluster1	VMware Cluster							Subcategory		
鳳	Resources	VMware Resource Pool							▼ ESX Host		
	TVMDatacenter	VMware Datacenter	Network Segments:	Query Local Interface	Query Switch Interface	+ /	* 8 8		Domain	VMware	
bd.	VMware vCenter Server	LINUX	Start IP Address				ent		IP Address		
			192.168.97.1		255.255.240.0		Add SNMP Credential		FOON	D2A ×	
			SNMP Port: Timeout:	161 🗘 3 🗘 Seconds			SNMP Version: SNMP User: Security Levels: Auth. Password:	SNMPv3 puser Authentic	ation And Privacy		
675			Retry:				Auth. Protocol:	MD	8		
			Thread Limit:	20 20 20 20 20 20 20 20 20 20 20 20 20 2	hor Switches		Encryption Password	1:			
				Set Ignore Flag For Newly Di	scovered Down Ports		Context Names:			-	
C				Compose Link Objects				(Separated	d By Commas)	ler	set Refresh
				ок	Cancel		0		Cancel Short Organize By Group Category Group Name Activate W	Network Group	
									Monitoring Group	to activate Windo	WS:
Copyright (5 1991-2025 Argent Software. All Rights Reserv	red							Admin User: ANYTIME-SUPPORT\Tri	v (Client IP: ::1 Secur	ity: Smart)

There are two ways to configure SNMP parameters:

- Directly specify the SNMP parameters in the above scan dialog.
- Configure the in the Credential Manager and specify the Credential in the scan dialog.

Configure SNMP credentials in Credential Manager:

=	ARGENT OMEGA					🔮 🔅 Home Theme -	رہ) ع Argent Instant Help About	لاة Logout
APR.	Tool Sets	Credential Manager				Search 🕇 🗶 🔗	Properties	V C
×	Alerts Monitoring Groups	Name	Туре	Value	Description		Group Or Key	
***	Relators	&CRED AZURE ARG DEV	Microsoft Entra ID	18fde038-fc92-4c07-974c-			Name	&CRED_SNMP_V3
	Workflows	ACRED AZURE ARGENT SOFTWARE	Microsoft Entra ID	b52611e0-46a6-4c6e-bd40-			т Туре	SNMP
	Macros	ACRED PASS ATDA ADMIN	User Password	2888100799cc			SNMP Version	SNMPv3
	Calendars	&CRED_PASS_GIRI	User Password	ANYTIME-SUPPORT\Giri			Port	(default)
1-1	License (Admin Only)	&CRED_PASS_RDP_USER	User Password	ANYTIME-SUPPORT\Triv			User Account	puser
XQ.	Generator Settings	&CRED_PASS_TRIV	User Password	ANYTIME-SUPPORT\Triv			Security Level	Authentication And Privacy
	e de Argent Omega	&CRED_SNMP_V1_PUBLIC	SNMP	public			Auth Centered	115
凤	e Argent Alert Mechanism	&CRED_SNMP_V2C_PUBLIC	SNMP	public			Addit Protocol	MD
Cardo I	> of Argent Forecaster	&CRED_SNMP_V3	SNMP	puser		- A	Auth Password	*******
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Do the connectivity test of configured Credential:

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ÆZ	> 🚾 Tool Sets	Credential Manager				Search	+ × 8	Properties	v C
X	Alerts Monitoring Groups	Name	Туре	Value	Description			Group Or Key	
曲	🕨 🚾 Relators	&CRED_AZURE_ARG_DEV	Microsoft Entra ID	18fde038-fc92-4c07-974c- 8c6736b6670e				Name	&CRED_SNMP_V3
	Workflows	SCRED AZURE ARGENT SOFTWARE	Microsoft Entra ID	b52611e0-46a6-4c6e-bd40-				т Туре	SNMP
	Macros		Have Been used	2888100/9900				SNMP Version	SNMPv3
	Calendars	ACRED_PASS_ATDA_ADMIN	User Password	ANYTIME-CURRORTIGIE	-			Port	{default}
	 Administration 	ACRED_PASS_DIRU	User Password	ANYTIME-SUPPORT THE				United and the	
THE	🗣 License (Admin Only)	ACRED_PASS_RDP_OSER	User Password					User Account	puser
a constant	👻 🔜 Generator Settings	SCRED SNMD V1 DUBLTC	SNMD	million addressed and				Security Level	Authentication And Privacy
A	ø Argent Omega	&CRED SNMP V2C PUBLIC	SNMP	public				Auth Protocol	MD
10	 o^o Argent Alert Mechanism 	&CRED_SNMP_V3	SNMP	puser				Auth Password	******
	of Argent Forecaster	&CRED_VIM_VMC	VMware	10.34.43.110				Encrypt Algorithm	DES
M	Security							Encrypt Password	******
	G Credential Manager							Description	
ÎŶĨ	Network Scan								1
	Event Logs								
	SuperMaps								
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0.0	Locations								
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0	🎩 Knowledge Base								
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C									
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Specify the Credential in scan dialog:

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	First Network Group		SNMP Credential			+ / ×		Туре	Network Group
122	₩ Vilksara	Network Group	Version			Security Level		Location	KOCHI
	10.34.42.102	VMware ESX Host						Contact	
100	10.34.43.122	VMware ESX Host			No data to display			Preferred Generators	
Manual	Cluster1	VMware Cluster						Default Credentials	
感	Resources	VMware Resource Pool						Estended Properties	
	TVMDatacenter	VMvare Datacenter	Network Segr	d SNMP Credential		D2A x c R R		Description	
P.S	VMware vCenter Server	LINUX	Start IP Addres	SNMD Version:	SNMD-2				
			50.166.97.1 SINAP Port: Timeout: Retry: Thread Limit:	SNMP User: Security Levels: Auth. Protocol: Encryption Algorithm: Context Names:	puser Authoritication And Privacy MD DES (Separated By Commas) Cancel	Select A SNMP Credential Credential &CRED_SNMP_V1_P &CRED_SNMP_V2C_F &CRED_SNMP_V3		×.	
¢.								Display Options	Reset Refresh
				OK		Cancel		Group Or Key	Value
								Show Objects	All
								Organize By Group Category	Network Group
								Group Name Activate	Windows
								Manitoring Group	gy to including thing only.
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The following SNMP parameters should be configured:

SNMP Version:

Default value is SNMPv1. It can be SNMPv1, SNMPv2c or SNMPv3.

Community:

The Community string is like a user ID or password allowing access to a router or other device's statistics. SNMP community strings are used only by devices that support the SNMPv1 and SNMPv2c protocol and the default value is **public**.

SNMPv3 uses username/password authentication, along with an encryption key.

SNMP User (For SNMPv3 Only):

SNMPv3 username

Auth. Password (For SNMPv3 Only):

SNMPv3 authentication password

Auth. Protocol (For SNMPv3 Only):

SNMPv3 authentication protocol. It can be MD, SHA, SHA256, or SHA512

Encryption Password (For SNMPv3 Only):

SNMPv3 encryption password

Encryption Algorithm (For SNMPv3 Only):

SNMPv3 encryption algorithm. It can be DES, AES, 3DES, AES192, or AES256

Start IP Address:

IP address to start the scanning for SNMP devices

End IP Address:

IP address to serve as the end of the IP range to scan for SNMP devices

Network Mask:

Network mask

SNMP Port:

Default value is 161

Timeout:

Timeout in seconds, the range is 3 to 60. The default value is 3.

Retry:

The range is 1 to 10. The default value is 1.

Thread Limit:

This is the thread pool size performing the SNMP scanning. The range is 1 to 100. The default value is 30. Check **Poll Directly Connected Neighbor Switches** option to query neighbor switches connected to the switch.

Press OK button to scan the network for SNMP devices using specified parameters:

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Ø	Search					Server Or Device Netwo	rk Group Scan Network	Properties	🗸 C 🕂 X Ø 🗎
	Network Group Or Machine	Туре	SNMP Managed Devices Scan	ning		D2	l ×	Group Or Key	Value
**	Active Directory	Network Group						Name	First Network Group
	▶ First Network Group	Network Group	SNMP Credentials:			+ / ×		Туре	Network Group
	▼ VMware	Network Group	Version	Community	SNMP User	Security Level		Location	коснт
	10.34.43.102	VMware ESX Host	SNMPv3	¥	puser	Authentication And Privacy		Contact	
١.	10.34.43.122	VMware ESX Host						Preferred Generators	
	Cluster1	VMware Cluster						Default Credentials	
鳳	Resources	VMware Resource Pool						Extended Properties	
	TVMDatacenter	VMware Datacenter	Network Segments:	Query Local Interface	Query Switch Interface	+ 🖌 🗶 🖻		Description	
bd	VMware vCenter Server	LINUX	Start IP Address	End IP Address	Network Mask	Site/Comment			
			192.168.96.1 SNMP Port: Timeout:	192.168.96.255	255.255.240.0				
			Retry: Thread Limit:	1 C	nbor Switches				
6				Compose Link Objects	scovered bown Ports			Display Options	Reset Refresh
				OK				Group Or Key	Value
				UK	Cance				All
								Oracelas Ru Casus Cabasas	Math and Cause
								Corganize by Group Category	Sectors Group
								Monitoring Group	*
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Copyright (© 1991-2025 Argent Software. All Rights Reser	ved						Admin User: ANYTIME-SUPPORT\Triv	(Client IP: ::1 Security: Smart)

The scanning results are shown in a list box as below:

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曲	Active Directory	Network Group							Name	SNMP
_	First Network Group	Network Group	Network Scanni				D2D ×		Туре	Network Group
	▼ VMware	Network Group							Location	
-	10.34.43.102	VMware ESX Host	Ignored				Domain		Contact	
÷۵	10.34.43.122	VMware ESX Host		192.168.96.106	IP Device	switchbecab4			Preferred Generators	
1000	Cluster1	VMware Cluster		LINK_1.3.6.1.4.1.9.6.1.83.52.1	. Link Object	192.168.96.106-10.34			Default Credentials	
風	Resources	VMware Resource Pool		LINK_1.3.6.1.4.1.9.6.1.83.52.1	Link Object	192.168.96.106-10.34			Extended Properties	
0	TVMDatacenter	VMware Datacenter					2		Description	
bal	VMware vCenter Server	LINUX								
	SNMP	Network Group								
4										
59							•			
649			Save to Netw	vork Group: SNMP		1				
				Keep Origi	nal Network Group					
			_							
13			Log	Toggle	ОК	Cancel				
42									Display Options	Reset Refresh
									Group Or Key	Value
									Show Objects	All
									Organize By Group Category	Network Group
									Group Name	*ndows
Consider	D 1001 2025 Argent Software, All Disks D	ж.						_	Monitoring Group	*
Copyright (g 1991-2025 Argent Software. All Rights Reserve	a							Admin Oser: ANT TIME-SUPPORT (Inv	(calencin: 11 Security: Smart)

Press OK button to add the scanned devices under specified Network Group in CMDB-X.

Use Save To Network Group combo box to select the Network Group.

It is possible to skip the saving of specific devices by checking **Ignored** check box in list.

Use Toggle button to switch the selection in **Ignored** check box.

The scanned device will be added to CMDB-X as shown below:

	ARGENT OME	GA (2.2A-2501-B)						Home	theme •	() ? Argent Instant Help Abo	ර ut Logout
Æ	Search						Server Or Device Netw	ork Group	Scan Network	Properties	🗸 C 🕂 X 8 🛢
	Network Group Or Machine	Туре	Alias	Licensed	Suspend/Maintenan	Location	Contact			Group Or Key	Value
i	Active Directory	Network Group								Name	SNMP
	First Network Group	Network Group				KOCHI			_	Туре	Network Group
FA	▼ SNMP	Network Group						1		Location	
-	192.168.96.106	IP Device	switchbecab4			MUMBAI				Contact	
jai.	LINK_1.3.6.1.4.1.9.6.1.83.52.1_switch8994_	Link Object	192.168.96.106-10.34.43.100			MUMBAI				Preferred Generators	
and a second sec		Network Group								▶ Default Credentials	
鳳	10.34.43.102	VMware ESX Host		Yes		NEW YORK				Extended Properties	
	10.34.43.122	VMware ESX Host		Yes		NEW YORK				Description	
E	Cluster1	VMware Cluster		Yes		NEW YORK					
	Resources	VMware Resource Pool		Yes		NEW YORK					
र्द्भ	TVMDatacenter	VMware Datacenter		Yes		NEW YORK					
44	VMware vCenter Server	LINUX		Yes		NEW YORK					
¢										Display Options	Reset Refresh
										Group Or Key	Value
										Show Objects	IIA
										Organize By Group Category	Network Group
										Group Name Activate W	indows
										Monitoring Group	eto activate windows.
Copyright (> 1991-2025 Argent Software. All Rights Reserved	l.								Admin User: ANYTIME-SUPPORT\Tri	v (Client IP: ::1 Security: Smart)

When adding the SNMP device, the CMDB-X property named **SNMP Managed** is set to **Yes** state.

The SysObjectId and device type are automatically retrieved – SysObjectId contains the vendor's identification of an SNMP managed object type:

	ARGENT OME	GA (2.2A-2501-B)						Home Theme •	ර්) ? Argent Instant Help Abou	U it Logout
Æ	Search						Server Or Device Net	vork Group Scan Network	Properties	🗸 C 🕂 X 🖉 🖴
	Network Group Or Machine	Туре	Alias	Licensed	Suspend/Maintenan	Location	Contact		Group Or Key	Value
i	Active Directory	Network Group							Name	192.168.96.106
_	First Network Group	Network Group				косні			Licensed Products	
EH.	* SNMP	Network Group							Allas	switchbecab4
	192.168.96.106	IP Device	switchbecab4		(MUMBAI			Serial Number	
<u>ā</u>	LINK_1.3.6.1.4.1.9.6.1.83.52.1_switch8994	Link Object	192.168.96.106-10.34.43.100			MUMBAI			Category	
	▼ VMware	Network Group							Subcategory	
鳳	10.34.43.102	VMware ESX Host		Yes		NEW YORK			IP Device	
	10.34.43.122	VMware ESX Host		Yes		NEW YORK			▼ SNMP Managed	Yes
bd.	Cluster1	VMware Cluster		Yes		NEW YORK			SysObjectId	1.3.6.1.4.1.9.6.1.83.52.1
	Resources	VMware Resource Pool		Yes		NEW YORK			Credential	&CRED_SNMP_V3
1	TVMDatacenter	VMware Datacenter		Yes		NEW YORK			Default Context Name	
4	VMware vCenter Server	LINUX		Yes		NEW YORK			+ Hardware	
									TCP Parameters	
									System Info Caching Minutes	30
S.G.									Monitoring Level	Normal
×									Tier	Not Specified
-									▶ Tag	
O									Roles	
-									Location	MUMBAI
¢.									Display Options	Reset Refresh
									Group Or Key	Value
									Show Objects	All
									Organize By Group Category	Network Group
									Group Name Activate Wi	ndows
									Go to Settings t Monitoring Group	•
Copyright	9 1991-2025 Argent Software. All Rights Reserve	1							Admin User: ANYTIME-SUPPORT\Triv	(Client IP: ::1 Security: Smart)

To manually add an SNMP device to CMDB-X, select **Manually Add Server/Device** from the right click menu. Add the Name/IP of the device and select the **Type**:

	ARGENT O	MEGA (2.2A-2501-	в)					# Home	🔅 Theme -	िं) Argent Instant Help	? About	b Logout	D2
Ø	Search						Server Or Device Netwo	ork Group	Scan Network	Properties		- C	+ × 0 m
	Network Group Or Machine	Туре	Alias	Lic	ensed s	Suspend/Maintenan	Location	Contact	ŕ	Group Or Key		Value	
i	Enterprise Applications	Network Group								Name		First Network Gr	oup
	✓ First Network Group	Network Group					косні			Туре		Network Group	
	192.168.108.126	Linux/UNIX			Yes		NEW YORK			Location		KOCHI	
	192.168.110.102	Windows Server			Yas		MUMBAT			Contact			
6	192.168.110.54	Windows Server	Manua	lly Add An Entry			UZB X			Preferred Generators			
23mCs	192.168.110.61	Windows Workstation	Nam	e:	192.16	8.111.18				Default Credentials			
同	192.168.110.63	Windows Workstation	Alias		-					Extended Properties			
EE0	192.168.110.65	Windows Workstation	IP A	ddress:	_					Description			
	192.168.110.73	IP Device	Type	:	IP Add	ress	-						
	192.168.110.75	IP Device	W1 Netw	ork Group:	First N	etwork Group							
	192,168.111.1	IP Device	Loca	tion:	THIRU	VANANTHAPURAM	-						
Ţ.	192.168.111.2	IP Device											
	192.168.111.3	IP Device		ок		C	ancel						
1	192.168.111.4	IP Device	API										
	192.168.111.7	IP Device			162								
×	192.168.111.8	IP Device			Yes		UAE						
-	192.168.96.106	IP Device	switchbecab	4	Yes		DALLAS			Display Options			
	AI-MFC-102-W10	Windows Workstation					MUMBAI			Group Or Key		alue	-
	AJS-TEST	Windows Server					THIRUVANANTHAPURAM			Show Objects	A		
G	AJS-TEST-ONE	Windows Server					THIRUVANANTHAPURAM			Organize By Group Categ	ory N	etwork Group	
and a second	ARGENT	URL Object	Argent Web	site	Yes		JAPAN			Group Name	-		
	ARGENT_HELP	URL Object			Yes		косні		-	Monitoring Group			
	9 1991-2025 Argent Software. All Rights								Admin Us	l er: Anytime-Support\Triv (Cli	ent IP: 192	168.37.195 Se	curity: Smart)

The new server is listed in CMDB-X:

Network Group Or Machine	Туре	-				Sourcestoup Sourcestourk	Troperdes	
Enterprise Applications SNMP_UPS_VIEW		Allas	Licensed	Suspend/Maintenan	Location	Contact	Group Or Key	Value
SNMP_UPS_VIEW	Network Group						Name	192.168.111.18
	Enterprise Application Object		Yes				Licensed Products	
SNMP_VIEW	Enterprise Application Object		Yes				Alias	
SQL_VIEW	Enterprise Application Object		Yes				Serial Number	
VM_OBJECTS_VIEW	Enterprise Application Object		Yes				Category	
WINDOWS_AND_LINUX_VIEW	Enterprise Application Object		Yes				Subcategory	
WINDOWS_VIEW	Enterprise Application Object		Yes				▼ IP Device	
192.168.111.18	IP Address				THIRUVANANTHAPURAM		IP Address	
▼ First Network Group	Network Group				косні		FQDN	
192.168.108.126	Linux/UNIX		Yes		NEW YORK		Vendor	
192.168.110.102	Windows Server		Yes		MUMBAI		Make	
192.168.110.54	Windows Server		Yes		MUMBAI		Model	
192,168,110.61	Windows Workstation		Yes		MUMBAI		Ignore Disabled Ports	No
192.168.110.63	Windows Workstation		Yes		MUMBAI		Use Meraki	No
192.168.110.65	Windows Workstation		Yes		MUMBAI		Access Point	No
192.168.110.73	IP Device		Yes		NEW YORK		WIFI PS Rule	
192.168.110.75	IP Device	WIN2022-TEST01	Yes		NEW YORK		Display Options	Reset
192.168.111.1	IP Device		Yes		UAE		Group Dr Key	Value
192.168.111.2	IP Device		Yes				Show Objects	All
192.168.111.3	IP Device		Yes				Organize By Group Category	Network Group
192.168.111.4	IP Device	APC_UPS_003	Yes		косні		Group Name	

The following SNMP-specific properties need to be configured to monitor the device using Argent Omega for SNMP Tool Sets:

Connect Parameters	Select Default to connect using default parameters. Select Explicit to define the parameters explicitly. The below parameters need to be defined.
SNMP Version	Can be SNMPv1, SNMPv2c, or SNMPv3. SNMPv3 requires authentication. If SNMPv3 is selected, valid authentication credentials need to be specified.
Port	If not specified, default 161 is used.
Community	This is the community string for SNMPv1 and SNMPv2. If not specified, default public is used.
User Account	SNMPv3 username
Auth Protocol	SNMPv3 authentication password
Auth Password	SNMPv3 authentication protocol. It can be MD, SHA, SHA256, or SHA512.
Encrypt Algorithm	SNMPv3 encryption algorithm. It can be DES, AES, 3DES, AES192, or AES256.
Encrypt Password	SNMPv3 encryption password

A connectivity test can be run to verify the licensed SNMP device configured in the Argent CMDB-X.

Select **Test Connectivity** from the right click menu or click from properties to execute the connectivity test:

ARGENT O	MEGA (2.2A-250)	- 8)				Home	🔅 Theme -	্রে) Argent Instant Help A	e Cogout
Search					Server Or Device M	letwork Group	Scan Network	Properties	✓ C + ×
Network Group Or Machine	Туре	Alias	Licensed	Suspend/Maintenan	Location	Contact		Group Or Key	Value
192.168.111.1	IP Device		Yes		UAE	_		Name	192.168.111.4
192.168.111.2	IP Device		Yes					Linnard Braduate	Argent Compliance Automator,
192.168.111.3	IP Device		Yes					Licensed Products	Omega Baseline, Argent Omega SNMP
192.168.111.4	IP Device	Pafreeb	Yes		косні			Alias	APC_UPS_003
192.168.111.7	IP Device	Manually Add Server Or Device	Yes					Serial Number	456789
192.168.111.8	IP Device	Test Connectivity	Yes		UAE			Category	
192.168.96.106	IP Device	Licensing/Unlicensing	Yes		DALLAS			Subcategory	
AI-MFC-102-W10	Windows Workstation	Set Maintenance Schedule			MUMBAI			▼ IP Device	
AJS-TEST	Windows Server	Set Critical Flag			THIRUVANANTHAPURAM			IP Address	192.168.111.4
AJS-TEST-ONE	Windows Server	Set Ignore Flag			THIRUVANANTHAPURAM			FQDN	
ARGENT	URL Object	Set CMDB-X Settings	Yes		JAPAN			Vendor	
ARGENT_HELP	URL Object	Suspend Monitoring	Yes		косні			Make	APC UPS
ARGENT_MONITORING	URL Object	Reactivate	Yes		MUMBAI			Model	
ARGSOFT_TEST	Microsoft 365 Service Unit	Discover Neighbor Links	Yes		CANADA			Ignore Disabled Ports	No
ATDA-DC19	Windows Server	Wireless Clients	Yes		NEW YORK			Use Meraki	No
ATPC-102	Windows Server	Device Configuration Backups	Yes		NEW YORK			Access Point	No
ATPC-11077	Windows Server	Backup CMDR-X Database	-		THIRUVANANTHAPURAM			Diselar Outland	Pocet
ATPC-120	Windows Workstation	Restore	Yes		косні			Dispitaly Options	TYGERAS
ATPC-133	Windows Server	Generate Self-Signed Certificate			THIRUVANANTHAPURAM			Group Or Key	Value
ATS-99	Windows Server	Hide Properties			THIRUVANANTHAPURAM			Show Objects	All
ATE DOMAIN	ulladaria diseria			Maintenance 09:00:00 -	NEW YORK			Organize By Group Category	Network Group
AISTOORAN	windows server		Tes	CAL_ALL_DAYS	NEW TORK			Group Name	•
ATVM-62	Windows Server		-		THIRUVANANTHAPURAM			Monitoring Group	*

Select a server or device to execute the connectivity test and click OK:

	ARGENT OF	MEGA (2.2A-25)	D1-B)					en de la comencia de	🛟 Theme -	(*) Argent Instant Help	? Abou	U t Logout	D2
Ø	Search						Server Or Device	Network Group	Scan Network	Properties	_	V C + 1	K 8 A
-	Network Group Or Machine		Test Connect					D2L	×	Group Or Key			Ê
雦	192.168.111.1	IP Device								Name		192.168.111.4	
	192.168.111.2	IP Device	Select	ted 🔵 Node Type 🔵 Moni	itoring Grou	p & SuperConsole 🔵 🛛	Vildcards			Licensed Products		Argent Compliance Autom Omega Baseline, Argent O	hator, Argent
	192.168.111.3	IP Device	Server O				Select All C	lear Toggle				SNMP	
-	192.168.111.4	IP Device	Selected	d Machine	тур					Alias		APC_UPS_003	
163	192.168.111.7	IP Device		192,168,111,4	IP 0	Device	APC UPS 003			Serial Number		456789	
Stefs	192.168.111.8	IP Device			1945					Category			-
æ	192.168.96.106	IP Device								Subcategory			
EO	AI-MFC-102-W10	Windows Workstation								* IP Device			
	AJS-TEST	Windows Server								IP Address		192.168.111.4	
	AJS-TEST-ONE	Windows Server								FQDN			
	ARGENT	URL Object								Vendor			
	ARGENT_HELP	URL Object								Make		APC UPS	
_	ARGENT_MONITORING	URL Object								Model			
A	ARGSOFT_TEST	Microsoft 365 Service Unit	Use Gene	erator: {default}	•					Ignore Disabled Ports		No	
-	ATDA-DC19	Windows Server		{default}						Use Meraki		No	
S	ATPC-102	Windows Server		OG1			Cancel			Access Point		No	
00	ATPC-11077	Windows Server		SQL2019-TEST01						Display Ontions	_	Reset	Refresh
	ATPC-120	Windows Workstation		WIN-TEST02									1
	ATPC-133	Windows Server		(Pooled Primary Ge	neratory					Group Or Key		Value	
183	ATS-99	Windows Server					THIRUVANANTHAPURA	M.		Show Objects		All	
16 2	ATS-DOMAIN	Windows Famor			Vec	Maintenance 09:00:00 -	NEW YORK			Organize By Group Categ	iory	Network Group	
		Willdows Server			Tes	CAL_ALL_DAYS	NEW TORK			Group Name			
	ATVM-62	Windows Server					THIRUVANANTHAPURA	M		Monitoring Group		•	-
	© 1991-2025 Argent Software. All Rights R								Admin Us	er: Anytime-Support\Triv (Cli	ient IP: 1	92.168.37.195 Security:	Smart)

The Results are shown:

≡ ARGENT	OMEGA (2.2A-2207-A)			A Home	🔅 Theme -	ে) Argent Instant Help	ව About Logout
Search				Server Or Device N	etwork Group	Scan Network	Properties	✓ 3 + × 9
Network Group Or Machine	Туре	Alias	Licensed Suspend	Location	Contact		Group/Key	Value
) Demo Group	Network Group						Name	192.168.111.4
+ First Network Group	Network Group			MUMBAI		_	Licensed Products	Argent Omega for SNMP
192.168.108.97	Linux/UNIX	Connectivity Test Results		(LEGGORY CONTS)		×	Alias	APC_UPS_003
192.168.111.1	IP Device	Argent Omega 2.2.2207.21 Copyri	ght (c) 2022 Argent Softwa	re			▶ IP Device	
192.168.111.18	IP Device	For Argent Instant Help 7 by 24 wi	th an Argent engineer, plea	se see http://help.Argent.com/help.p	hp		SNMP Managed	Yes
192.168.111.2	IP Device	Target Machine: 192.168.111	1.4				+ TCP Parameters	
192.168.111.3	IP Device	Test At- AI-2019-000	1				System Info Caching Minutes	30
192.168.111.4	IP Device		(UTC)				Monitoring Level	Normal
192.168.111.5	IP Device	Test Time: Tue, 26 Jul 2	2022 09:40:18 (UTC)				Tier	Not Specified
192.168.37.1	IP Device	09:40:18 - Test 1: PING 09:40:18 - [VALID])⊧ Tag	
AI-2019-009	Windows Server	errore [rinne]					Location	MUMBAI
AI-MFC-102-W10	Windows 10 Pro						Contact	
ARGENT	URL Object	09:40:18 - Test 2: Access Of SNMI 09:40:18 - [VALID] sysName = AF	P Manager PC UPS 003				Owner Accounts	
DND-MFC-SQL	Windows Server						Default Settings	
FTP	FTP Object						Time Zone Settings	Same as Location
FTP_1	FTP Object						Critical	No
POP	Mail Object						Ignored	No
SMTP_1	Mail Object						Logical Dependency	
TEST_365	Microsoft 365 Service Unit						Installed Applications	
							Extended Properties	
							Description	
		Print		Close				
	l						Display Options	Refresh
							Group/Key	Value
							Show Objects	All
							Network Group	*
							Monitoring Group	
							Туре	*

Tests can also be run against other servers or device types using the same method.

Display Wireless Clients For Meraki Access Point (AP)

Meraki is the cloud-based management protocol for CISCO wireless access points (AP). One common usage is to find current wireless clients of a selected Meraki device. There is a scan option in CMDB-X to scan Meraki devices.

=	ARGENT O	MEGA (2.2A-250)	-в)				di Home	Ç Theme -	्रिं) Argent Instant Help	? About	U Logout	D2
<i>œ</i>	Search					Server Or Device Ne	twork Group	Scan Network	Properties		✓ C +	× 0 🖴
	Network Group Or Machine	Туре	Alias	Licensed	Suspend/Maintenan	Location	Contact	Active Director	У		Value	
in the second se	Enterprise Applications	Network Group						ICMP Ping Discover SNMF	Devices		First Network Group	
_	▼ First Network Group	Network Group				косні		Windows Clust	er		Network Group	
	192.168.108.126	Linux/UNIX		Yes		NEW YORK		VMware Infras	tructure		косні	
-	192.168.110.102	Windows Server		Yes		MUMBAI		Azure Virtual R	tesource			
6	192,168,110,54	Windows Server		Yes		MUMBAI		Meraki Devices				
- And a	192.168.110.61	Windows Workstation		Yes		MUMBAI		Network And P	rivate Printers	-		
a	192.168.110.63	Windows Workstation		Yes		MUMBAI		Import Externa	al Excel File			
EQ.	192.168.110.65	Windows Workstation		Yes		MUMBAI		- Import Extern	Description			
RA	192.168.110.73	IP Device		Yes		NEW YORK						
124	192.168.110.75	IP Device	WIN2022-TEST01	Yes		NEW YORK						
	192,168,111,1	IP Device		Yes		UAE						
₩.	192.168.111.18	IP Device				THIRUVANANTHAPURAM						
	192.168.111.2	IP Device		Yes								
	192.168.111.3	IP Device		Yes								
In the second	192.168.111.4	IP Device	APC_UP5_003	Yes		косні						
×	192.168.111.7	IP Device		Yes								
_	192.168.111.8	IP Device		Yes		UAE			Display Options		Rese	st Refresh
0	192.168.96.106	IP Device	switchbecab4	Yes		DALLAS			Group Or Key	N	alue	-
_	AI-MFC-102-W10	Windows Workstation				MUMBAI			Show Objects	4	al and a second s	
C	AJS-TEST	Windows Server				THIRUVANANTHAPURAM			Organize By Group Catego	ary 1	etwork Group	
	AJ5-TEST-ONE	Windows Server				THIRUVANANTHAPURAM			Group Name			
	ARGENT	URL Object	Argent Website	Yes		JAPAN			Monitoring Group			
Copyright	© 1991-2025 Argent Software. All Rights	Reserved						Admin Us	er: Anytime-Support\Triv (Cli	ent IP: 192	.168.37.195 Securi	ty: Smart)

To use this facility, Meraki API key must be specified in Argent Omega settings under Generator Settings.

Click **Meraki Devices** popup menu option to scan all Meraki devices in the network. The scanning result will be shown in a list box as shown below:

= ARGEN	IT OMEG	Network Scann	ing Result			D2D ×	e Theme -	ری) Argent Instant Help Ab	02 Out Logout
Search		Ignored	Machine	Туре	Alias	Domain	p Scan Network	Properties	V 0 + X 8
		- 0	192.168.4.183	IP Device	1				
Network Group Or Machine	Туре		10.0.0.23	IP Device	AP5		t,	Group/Key	Value
) Demo Group	Network Group		192.168.4.181	IP Device				Name	192.168.111.4
+ First Network Group	Network Group		192.168.4.180	IP Device				Licensed Products	Argent Omega for SNMP
192.168.108.97	Linux/UNIX		10.0.0.38	IP Device	AP3			Alias	APC_UPS_003
192.168.111.1	IP Device		192.168.4.210	IP Device				▶ IP Device	
192.168.111.18	IP Device		10.0.0.25	IP Device	AP4			SNMP Managed	Yes
192.168.111.2	IP Device		10.0.0.11	IP Device	405			+ TCP Parameters	
192.168.111.3	IP Device		10.0.0.22	IP Davina	402			System Info Caching Minutes	30
192.168.111.4	IP Device		10.0.0.24	10 Denies	491			Monitoring Level	Normal
192.168.111.5	IP Device		10.0.0.24	IF Device	05-			Tier	Not Specified
192.168.37.1	IP Device							▶ Tag	
AI-2019-009	Windows Server							Location	MUMBAI
AI-MFC-102-W10	Windows 10 Pro	•				•		Contact	
ARGENT	URL Object	Save to Net	work Group: First	Network Group	-			Owner Accounts	
DND-MFC-SQL	Windows Server			ann Original Natwork Group				Default Settings	
FTP	FTP Object			eep original Network Group				Time Zone Settings	Same as Location
FTP_1	FTP Object							Critical	No
POP	Mail Object		Toggle	ОК	Cancel			Ignored	No
SMTP_1	Mail Object	1						Logical Dependency	
TECT 245	Microsoft 265 Convio	a Linit		Vor	MIMPAT				

Press OK button to add the scanned devices under specified Network Group in CMDB-X.

To find out the wireless clients currently connected to a specific Meraki device, select the device and click **Wireless Clients** context menu option.

	IT OMEGA (2.2A-2207-A)			👘 🌼 Home Theme -	পে 🗧	ک but Logout
Search			Server Or D	evice Network Group Scan Network	Properties	✓ ∅ + × Ø
Network Group Or Machine	Type Alias	Licensed Suspend	Location	Contact	Group/Key	Value
👻 Demo Group	Network Group				Name	10.0.0.11
10.0.0.11	IP Device	Yes	MUMBAI		Licensed Products	Argent Omega for SNMP
10.0.0.22	IP Device Refresh		MUMBAI		Allas	AP6
10.0.0.23	IP Device Suspend Monitoring		MUMBAI		▶ IP Device	
10.0.0.24	IP Device Reactivate		MUMBAI		SNMP Managed	No
10.0.0.25	IP Device Save Changes		MUMBAI		+ TCP Parameters	
10.0.0.38	IP Device Undo		MUMBAI		System Info Caching Minutes	30
192.168.4.170	IP Device Add Property		MUMBAI		Monitoring Level	Normal
192.168.4.180	IP Device Delete		MUMBAI		Tier	Not Specified
192.168.4.181	IP Device Discover Neighbor Links		MUMBAI) Tag	
192.168.4.183	IP Device Wireless Clients		MUMBAI		Location	MUMBAI
192.168.4.210	IP Device Device Configuration Backups		MUMBAI		Contact	
192.168.96.165	IP Device Set Critical Flag	Yes	MUMBAI		Owner Accounts	
192.168.96.55	IP Device Set Ignore Flag	Yes	MUMBAI		Default Settings	
AGT-PC	Windows Manually Add Server Or Device	Yes			Time Zone Settings	Same as Location
AI-2019-001	Windows	Yes			Critical	No
AI-2019-002	Windows	Yes			Ignored	No
AI-2019-003	Windows Bulk Licensing	Yes			Logical Dependency	
AI-2019-004	Windows Export To Excel CSV	Yes			Installed Applications	
AI-2019-005	Windows Backup CMDB-X Database	Yes			Extended Properties	
AI-2019-006	Windows Restore	Yes			Description	
AI-2019-007	Windows 10 Pro	Yes				
AI-2019-008	Windows Server	Yes				
AI-76	Windows 8.1 Pro N	Yes			Display Options	Refresh
AI-AD-4	Windows 10 Pro	Yes			and the state of the	
AI-MFC-101-W10	Windows 10 Pro	Yes			Group/Key	Value
AI-QC	Windows 10 Pro	Yes			Show Objects	All
AI-QC-001	Windows Server	Yes			Network Group	*
AI-QC-02	Windows 7 Ultimate	Yes			Monitoring Group	*
AI-QC-06	Windows 10 Pro	Yes			Туре	*
AT-WER-47	Windows 10 Pro	Vas				

The wireless clients connected to the selected Meraki device will be listed in a popup dialog as shown below:

■ ARGENT ON	MEGA (2.2A-22	07-A)					A Home	🔅 Theme -	(*) E) උ but Logout	D2
Search						Server/Device	Network Group	Scan Network	Properties	V 3	+ × 0
Network Group/Machine A Type	e	Alias	Licensed	Suspend	Locatio	n	Contact	- A	Group/Key	Value	
	work Group								Name	10.0.0.11	
10.0.0.11 IP Der	evice	AP6	Yes		MUMBAI				Licensed Products	Argent Omega for SNI	MP
10.0.0.22 IP De	Wireless Clients							D2	3 × 15	AP6	
10.0.0.23 IP De	Nevice								Device		
10.0.0.24 IP De	Client	Mac Address	IP /	AP.	SSID	First Seen	Last Seen	Sent/Recv	MP Managed	No	
10.0.0.25 IP De	Nevice Columnation	2. 0.54 5.35 ba	10.01.110		II A MART	19 Jul 2022	21 Jul 2022	0/4	P Parameters		
10.0.0.38 IP De	Vevice Galaxy A12	zaicolowicoli/libc	10.0.1.142	00	Hunc WIPI	17:20:30	05:59:45	0/1	stem Info Caching Minutes	30	
192.168.4.170 IP Add	ddress 10-0-0-19	14:0a:c5:25:87:43	10.0.19	AP6	Hunt WIFI	11 May 2021 17:34:04	21 Jul 2022 05:59:45	351/576	nitoring Level	Normal	
192.168.4.180 IP De	Vevice								r	Not Specified	
192.168.4.181 IP De	Vevice										
192.168.4.183 IP De	Vevice								tation	MUMBAI	
192.168.4.210 IP De	Vevice								ntact		
192.168.96.165 IP De	Pevice								ner Accounts		
192.168.96.55 IP De	Vevice								Fault Settings		
AGT-PC Windo	dows 7 Ultimate								he Zone Settings	Same as Location	
AI-2019-001 Windo	dows 10 Pro								tical	No	
AI-2019-002 Windo	dows 10 Pro								ored	No	
AI-2019-003 Windo	dows 10 Pro								sical Dependency		
AI-2019-004 Winds	dows 10 Pro								talled Applications		
AI-2019-005 Winds	dows 10 Pro								ended Properties		
AI-2019-006 Windo	dows 10 Pro										
AI-2019-007 Windo	dows 10 Pro								scription		
AI-2019-008 Windo	dows Server			Clo	ise						
AI-76 Windo	dows 8.1 Pro N								ou Octions		Refrech
AI-AD-4 Windo	dows 10 Pro		Yes	0					ay Options		TKGH GJH
AI-MFC-101-W10 Windo	dows 10 Pro		Yes						Group/Key		
AI-QC Winds	dows 10 Pro		Yes						Show Objects	All	
AI-QC-001 Windo	dows Server		Yes						Network Group	*	
AI-QC-02 Windo	dows 7 Ultimate		Yes						Monitoring Group	*	
AI-QC-06 Windo	dows 10 Pro		Yes						Туре	*	
A1-WER-47 Winds	dows 10 Pm		Vas								

Discover Neighbor Links option finds the neighbor switches connected to the switch device.

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3	Search						Server Or Device Net	work Group Scan Network	Properties	✓ C + × Ø
	Network Group Or Machine	Туре		Alias	Licensed	Suspend/Maintenan	Location	Contact	Group Or Key	Value
Ê.	192.168.111.8	IP Device			Yes		UAE		Name	192.168.96.106
	192.168.96.106	IP Device	Poleach		Yes		DALLAS		Licensed Products	Argent Omega Baseline, Argent Omega for SNMP
	AI-MFC-102-W10	Windows Workstation	Manually Add	Server Or Device			MUMBAI		Alias	switchbecab4
	AJS-TEST	Windows Server	Test Connectiv	ity			THIRUVANANTHAPURAM		Serial Number	
Ĩ,	AJS-TEST-ONE	Windows Server	Licensing/Unlie	censing			THIRUVANANTHAPURAM		Category	
	ARGENT	URL Object	Set Maintenan	ce Schedule	Yes		JAPAN		Subcategory	
	ARGENT_HELP	URL Object	Set Critical Fla	9	Yes		косні		▼ IP Device	
	ARGENT_MONITORING	URL Object	Set Ignore Fla	g vel	Yes		MUMBAI		IP Address	
	ARGSOFT_TEST	Microsoft 365 Service U	Set CMDB-X S	ettings	Yes		CANADA		FQDN	
	ATDA-DC19	Windows Server	Suspend Monit	toring	Yes		NEW YORK		Vendor	
	ATPC-102	Windows Server	Reactivate		Yes		NEW YORK		Make	Switch
	ATPC-11077	Windows Server	Discover Neigh	nbor Links			THIRUVANANTHAPURAM		Model	
	ATPC-120	Windows Workstation	Wireless Client	s	Yes		косні	- F	Ignore Disabled Ports	No
	ATPC-133	Windows Server	Export To Exce	I CSV			THIRUVANANTHAPURAM		Use Meraki	No
	ATS-99	Windows Server	Backup CMDB	X Database			THIRUVANANTHAPURAM		Access Point	No
	ATS-DOMAIN	Windows Server	Restore		Yes	Maintenance 09:00:00 - 10:00:00.	NEW YORK		WITER DE Dada	
			Generate Self-	Signed Certificate		CAL_ALL_DAYS			Display Options	Reset Refre
	ATVM-62	Windows Server	Hide Propertie	5			THIRUVANANTHAPURAM		Group Or Key	Value
	ATVM-77	Windows Server					THIRUVANANTHAPURAM		Show Objects	All
	BMW	URL Object			Yes		KOCHI		Organize By Group Category	Network Group
	BOA	URL Object			Yes		MUMBAI		Group Name	•
	BOC	URL Object			Yes		CHINA		Monitoring Group	*
ght ©	1991-2025 Argent Software. All Rights	Reserved						Admin Us	er: Anytime-Support\Triv (Client IP:)	.92.168.37.195 Security: Smart)

	ARGENT O	MEGA (2.2A-250)					Home	🔅 Theme -	(*) Argent Instant Help	(? About	U Logout	D2
Ø	Search					Server Or Device	Network Group	Scan Network	Properties		V C + 1	¢ 8 🛍
	Network Group Or Machine	Туре	Alias	Licensed :	Suspend/Maintenan	Location	Contact		Group Or Key	N	alue	ŕ
	192.168.111.8	IP Device	Discovered Neighbors				D2H ×		Name	1	92.168.96.106	
	192.168.96.106	IP Device						_	Licensed Products	A	rgent Omega Baseline,Ar Imega for SNMP	rgent
H	AL-MFC-102-W10	Windows Workstation	System Name	IP Address	Mac Address	Port Name			Alias	5	witchbecab4	
	AJS-TEST	Windows Server	switch899408	10.34.43.100		gi1/0/12			Serial Number			
ñ.	AJS-TEST-ONE	Windows Server	SWILLINGTON	10.34.43.100		g11/0/36		_	Category			
	ARGENT	URL Object							Subcategory			
凤	ARGENT_HELP	URL Object							▼ IP Device			
	ARGENT_MONITORING	URL Object							IP Address			
bd	ARGSOFT_TEST	Microsoft 365 Service Unit							FQDN			
	ATDA-DC19	Windows Server							Vendor			
	ATPC-102	Windows Server							Make	5	witch	
1	ATPC-11077	Windows Server							Model			
0	ATPC-120	Windows Workstation							Ignore Disabled Ports	N	10	
	ATPC-133	Windows Server							Use Meraki	N	10	
00	ATS-99	Windows Server							Access Point	N	10 <u>.</u>	
×	ATS-DOMAIN	Windows Server							witer oc buils			
				1	Close			_	Display Options		Reset	Refresh
	ATVM-62	Windows Server						_	Group Or Key			ŕ
	ATVM-77	Windows Server				THIRUVANANTHAPURAM			Show Objects	A		
	BMW	URL Object		Yes		KOCHI		_	Organize By Group Categ	ory N	letwork Group	
_	BOA	URL Object		Yes		MUMBAI		_	Group Name	-		
	BOC	URL Object		Yes		CHINA			Monitoring Group	-		
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Agent Omega for SNMP Tool Sets

Select Tool Sets from the Home Screen (note the very useful Super Find):



Under Tool Sets, select Argent Omega for SNMP. The following Rules are shown.

	ARGENT OMEGA	(2.2A-2501-8) Home	🔅 Theme -	्रिं) Argent Instant Help	? About	U Logout	G2
A927	Argent Omega for Oracle	Search					
X	👻 🔚 Argent Omega for SNMP						
-	SNMP Rules	Name Description					
蘭	🕨 🚟 SNMP Trap Rules	Argent Omega Baseline					
	🕨 🔤 DeviceMagic Port Rules	Argent Compliance Automator					
	LINK Connectivity Rules	Argent Omega web Derender					
	Device Configuration Rules	Argent Omega for Evolution y					
-	🕨 🔤 CISCO VPN Tunnel Rules	Argent Omega for Exchange					
a.	CISCO Remote Access Rules	Arrient Omega for Oracle					
	🕨 🚟 Generic VPN Rules	Argent Omega for SIMP					
	🕨 🔤 PowerShell Script Rules	Argent Omega for SOL Server					0
EO	🕨 🚾 Argent Omega for SQL Server	Argent Omega for VMware					
	🕨 📁 Argent Omega for VMware						
1×4	Alerts						
	Monitoring Groups						
	Fielators						
\square	Workflows						
_	Macros						
	Calendars						
	🕶 📒 Administration						
0.0	Ticense (Admin Only)						
×	▼ 🧮 Generator Settings						
	▶ o ^o Argent Omega						
凤	▶ Ø Argent Alert Mechanism						
	▶ 0º Argent Forecaster						
Dise of the	> 0º Argent SIEM-Complete						
Œ	2 Security						
	Credential Manager						
	Network Scan						
	Event Logs	×					
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Argent Omega for SNMP incorporates the following Rules:

- SNMP Rules
- SNMP Trap Rules
- DeviceMagic Port Rules
- Link Connectivity Rules
- Device Configuration Rules
- CISCO VPN Tunnel Rules
- CISCO Remote Access Rules
- Generic VPN Rules
- PowerShell Script Rules

SNMP Rules

Any SNMP-compliant device can be monitored using SNMP Rules. These Rules poll OIDs by either manually specifying the value or using the **Argent OID Browser**. OID values can also be added by using the device specific MIB file. Custom SNMP Rules can be created based on any manufacturer's SNMP information in the MIB file. **Argent engineers can also assist with this process**.

The Tool Sets of Argent Omega for SNMP provide built-in Rules to monitor common SNMP-compliant devices, such as CISCO, 3Com, APC, Dell, Fortinet, HP, Novell, Compaq Server Hardware, IBM Server Hardware, etc.

Because the types of hardware devices vary widely, from Compaq server hardware to air conditioning units and PBXs, SNMP Rules are used to monitor all important aspects of common server hardware, such as the motherboard, power supply, and even the fans.

Following is the SNMP Rule screen:

=	ARGENT OMEGA			Home	Theme -	ে গ) Argent Instant Help	? About	U Logout	
	Argent Omega for Microsoft 365 Argent Omega for Oracle Argent Omega for SNNP SNNP Rules SNNP Rules SNNP_3COM_SWITCH_CPU_STATUS SNNP_3COM_SWITCH_FAIL_FAILURE SNNP_3COM_SWITCH_INACTIVE_PORT SNNP_3COM_SWITCH_OVER_TEMPERATURE APC Bridge (RFC 1493) CISCO Firewall	Use SNMP MIB; Enumerate SNMP Table; SNMP Context Names; SNMP Rule View; Value SNMP OID; Value Type; Metric Calculation; Scale Factor; Comparison; Object Value;	3COH:A3Com-System-r8-MB8.mbb Simple 1.3.6.1.4.1.43.2.13.8.4.0 INTEGER Get Get V Get V Get V Do Scale V V Do Scale V V V Do Scale V V V V V V V V V V V V V			+ (a3aysCpuUtii)			
	CISCO Hardware CISCO Interface CISCO IOS CISCO RTT Monitor CISCO Stack CISCO Stack Dell OpenManage Dell Storage	Fire Separate Events P Pail Rule If Data Is Not Save Performance Dat Post Event Even If The Do So Only After Ignore The Same Outs Post Event Only After I	or Each Broken Instance Available Or Nonexistent a To The Argent Forecaster Using Data Store: (default) Same Event Is Still Outstanding (Unanswered) 10 Hour 00 Minutes Since Event Is Post Landing Event If Alerts Were Fired More Than 10 Hour 00 Min tule Is Broken 20 Or More Times	• Inutes Ago					
» 5 ¢	Dell Switch Extreme Network Fortinet Foundry HP Hardware HP JetDirect HP Switch IBM ATM Switch	Reset Counter After Event Is Post After Event Is Answere After The Actual Condi Category: Subcategory: Application:	d ion Is Corrected (default)						
	1991-2025 Argent Software, All Rights Reserved				Admin L	lser: Anytime-Support\Triv (C	ient IP: 192.1	168.37.195 Security	v: Smart)

The following selections are necessary to monitor an SNMP-compliant device:

Select the MIB file from **Use SNMP MIB** combo box. **The MIB file is essentially the personality of the device.** The MIBs of all common SNMP devices are already loaded in the combo box. Click "+" button to upload a new MIB file to the combo box.

Use the **Enumerate SNMP Table** option if the Rule needs to enumerate SNMP tables defined in the selected MIB file. An **SNMP table** is an ordered collection of objects containing zero or more rows.

The table and each object in the table are identified by using an OID or Object Identifier. The information on a specific network entity will be retrieved from SNMP tables. If **Enumerate SNMP Table** option is checked, SNMP Table OID must be specified in **Table Entry OID** field.

	ARGENT OMEGA			de Home	theme -	(') Argent Instant Help	? About	() Logout	SNES
Æ	 Argent Omega for Exchange Argent Omega for Microsoft 365 	Use SNMP MIB:	3COM::A3Com-System-r8-M18.mib		-	+			^
AD	🕨 🚾 Argent Omega for Oracle	Enumerate SNMP Table:							
-	💌 🐸 Argent Omega for SNMP	Table Entry OID:							
	The SNMP Rules		Continue Enumerating OIDs Even Rule Is Already Broken			6			
-	🔻 📕 3Com	Use Custom Instance Name:							
H	SNMP_3COM_SWITCH_CPU_STATUS	Enumeration Filter:							
	SNMP_3COM_SWITCH_FAN_FAILURE	SNMP Context Names:							
int.	SNMP_3COM_SWITCH_INACTIVE_PORT	SNMP Rule View:	Simple						
1000	SNMP_3COM_SWITCH_OVER_TEMPERATURE	Value SNMP OID:	1.3.6.1.4.1.43.2.13.8.4.0			(a3sysCpuUtil)			
ca l	▶ M APC	Value Type:	INTEGER						
EO	Bridge (RFC 1493)	Metric Calculation:	Get						
-	CISCO Firewall	Scale Factor:	No Scale						
	CISCO Hardware	Comparison:	Greater Than						
	CISCO INSULACE	Object Value:	90						
Ŷ	CISCO RTT Monitor	Retrieve Performance Data F	For Argent Forecaster Only						

Either manually enter the OID or use the browse button to browse Table Entry OIDs of specific MIB file:

	ARGENT OMEGA	(2.2				4	I Ø	(®) • Argent Instant Help	? About	U Logout	SN5S
	Argent Omega for Exchange Argent Omega for Microsoft 365 Argent Omega for Oracle Argent Omega for Oracle	Us En	Use SNMP MIB: 3COM::A	3Com-System-r8-MIB.mib							
	Grigent Omega for SNMP SNMP Rules	10	Name	OID	Composed Syntax	Max Access					
	👻 📕 3Com	Us	a3sysChipEntry	1.3.6.1.4.1.43.2.13.2.1.1	SEQUENCE	NotAccessible					
	SNMP 3COM SWITCH CPU STATUS	En	a3sysMemEntry	1.3.6.1.4.1.43.2.13.3.1.1	SEQUENCE	NotAccessible					
	AC SNMD SCOM SWITCH SAN SATURE		a3sysBrdEntry	1.3.6.1.4.1.43.2.13.4.2.1	SEQUENCE	NotAccessible					
-	COM SWITCH INACTIVE DOPT	Sh	a3sysSNMPCommEntry	1.3.6.1.4.1.43.2.13.7.5.1	SEQUENCE	NotAccessible					
Q.		SN	a3sys5NMPMgrEntry	1.3.6.1.4.1.43.2.13.7.6.1	SEQUENCE	NotAccessible					
	SWIP_SCOP_SWITCH_OVER_TEMPERATORE	Va	a3sysTeinetMgrEntry	1.3.6.1.4.1.43.2.13.7.7.1	SEQUENCE	NotAccessible		(a3sysCpuUtil)			
周	P APC	Va	a3sysPasswordEntry	1.3.6.1.4.1.43.2.13.7.8.1	SEQUENCE	NotAccessible					
E O	Bridge (RFC 1493)	Me	a3sysUserBootListEntry	1.3.6.1.4.1.43.2.13.10.9.1	SEQUENCE	NotAccessible					
	CISCO Firewall	Se	a3sysIioBootEntry	1.3.6.1.4.1.43.2.13.10.10.1	SEQUENCE	NotAccessible					
B	CISCO Hardware		a3sysDfEntry	1.3.6.1.4.1.43.2.13.12.9.3.1	SEQUENCE	NotAccessible					
	CISCO Interface	Ca	a3sysIioRecoveryEntry	1.3.6.1.4.1.43.2.13.13.1.1	SEQUENCE	NotAccessible					
	CISCO IOS	OŁ									
1 1 1	CISCO RTT Monitor		Each entry in this table con	ains information about one of the chip	os installed in the CPU module	2,	1				
	CISCO Stack		Syntax:								
Δ	🕨 🕍 Compaq Hardware		Assyscripticity								
	🕨 🕍 Dell OpenManage										
In the second	🕨 🔤 Dell Storage										
X	🕨 🕍 Deli Switch										
	🕨 🕍 Extreme Network										
	🕨 🚞 Fortinet										
	Foundry			OK	Cano	el					
	HP Hardware										
	HP JetDirect										
	HP Switch										
	BIN ATM Switch										
	4						15				
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Select the Table Entry OID and click OK:

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Ø	Argent Omega for Exchange Argent Omega for Microsoft 365 Argent Omega for Oracle	Use SNMP MIB: Enumerate SNMP Table:	3COM∷A3Com-System-r8-MIB.mib			+			Î
	Argent Omega for SNMP SNMP Rules SCm	Use Custom Instance Name:	Continue Enumerating OIDs Even Rule Is Already Broken			(dosyschipentry)			
	 SMMP_3COM_SWITCH_CPU_STATUS SMMP_3COM_SWITCH_FAN_FAILURE SMMP_3COM_SWITCH_INACTIVE_PORT 	Enumeration Filter: SNMP Context Names: SNMP Rule View:	Simple 🗸						
	<pre> • SNMP_3COM_SWITCH_OVER_TEMPERATURE • APC • Bridge (RFC 1493) • Compared to the second second</pre>	Value SNMP OID: Value Type: Metric Calculation:	Gat v						
X	CISCO Firewall CISCO Hardware CISCO Interface	Scale Factor: Comparison:	No Scale Greater Than						
	CISCO IOS CISCO RTT Monitor	Object Value:	90 90 90 90 90 90 90 90 90 90 90 90 90 9						

If **Enumerate SNMP Table** is checked, check the option **Use Custom Instance Name** to define custom instance name in Performance Data. Normally, the object name (Example: *upsBatteryStatus*, upsOutputPercentLoad, etc.) is taken as instance name. By checking **Use Custom Instance Name** option, the actual instance (object name) name is appended with value of specified SNMP OID. The SNMP OID can be specified in **Instance OID** field. There is also a provision to browse the Instance OID.

=	ARGENT OMEGA	(2.2A-2501-8)		着 Horne	🔅 Theme -	(*) Argent Instant Help	? About	ن Logout	SNES
Æ	 Argent Omega for Exchange Argent Omega for Microsoft 365 	Use SNMP MIB:	3COM::A3Com-System-r8-MIB.mib		•	+			ŕ
	🕨 📁 Argent Omega for Oracle	Enumerate SNMP Table:							
-	👻 🐸 Argent Omega for SNMP	Table Entry OID:	1.3.6.1.4.1.43.2.13.2.1.1			(a3sysChipEntry)			
	SNMP Rules		Continue Enumerating OIDs Even Rule Is Already Broken						
-	* 📕 3Com	Use Custom Instance Name:							
	SNMP_3COM_SWITCH_CPU_STATUS	Instance OID:							
	SNMP_3COM_SWITCH_FAN_FAILURE	Use Group of Regular Expression:							
ั ดเ	SNMP_3COM_SWITCH_INACTIVE_PORT	Enumeration Filter:							
- Jaco	SNMP_3COM_SWITCH_OVER_TEMPERATURE	SNMP Context Names:							
(a)	▶ 🚾 APC	SNMP Rule View:	Simple						
EO	Bridge (RFC 1493)	Value SNMP OID:							
	CISCO Firewall	Value Tume:							
	CISCO Hardware	value rype.							
	 CISCO Interface CISCO IOS 	Metric Calculation:	Car ·						
100	CISCO PTT Monitor	Scale Factor:	No Scale						
	CISCO Stock	Comparison:	Greater Than						
	Compage Hardware	Object Value:	00						
	Dell OpenManage	Retrieve Performance Data For	Argent Forecaster Only						
-	> Month Dell Storage	Fire Separate Events For Each	Broken Instance						
X	> 📶 Dell Switch	Fail Rule If Data Is Not Availab	le Or Nonexistent						
	🕨 🚾 Extreme Network	Save Performance Data To The	Argent Forecaster Using Data Store: (default)	-					
	> 📒 Fortinet	Post Event Even If The Same E	vent Is Still Outstanding (Unanswered)	0					
Ø	🕨 🗮 Foundry	Do So Only After 1	Hour 0 0 Minutes Since Event Is Post						
Long to 1	🕨 🚾 HP Hardware	Ignore The Same Outstanding	Event If Alerts Were Fired More Than 1 Hour 0 Minutes	s Ago					
C	HP JetDirect	Post Event Only After Rule Is B	troken 2 Or More Times						
	🕨 🔚 HP Switch	Parat Counter							
	Field IBM ATM Switch	After Event Is Post							
									-
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If **Enumerate SNMP Table** is used, check the **Enumeration Filter** option to apply a filter for querying OID values from the SNMP table. The Rule will be validated only if the specified filter condition is satisfied. Filters can be applied to specific SNMP OIDs. The type of OID value and filter condition also needs to be specified. Specify OID in **Filter On SNMP OID** field to which filter is applied.

Select OID value type from Filter OID Type combo box.

Select filter condition from Filter Condition combo box.

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	Argent Omega for Exchange Argent Omega for Microsoft 365 Argent Omega for Oracle	Use SNMP MIB: Enumerate SNMP Table:	3COM::A3Com-System-r8-MIB.mib		* +		
	Argent Omega for SNMP SNMP Rules	Table Entry OID:	1.3.6.1.4.1.43.2.13.2.1.1		(a3sysChipEntry)		
	✓ III 3Com	Use Custom Instance Name:					
	 SNMP_3COM_SWITCH_CPU_STATUS SIMP_3COM_SWITCH_FAN_FAILURE SIMP_3COM_SWITCH_INACTIVE_PORT SIMP_3COM_SWITCH_OVER_TEMPERATURE 	Enumeration Filter: Filter On SNMP OID: Filter OID Type:	StableOID5.3 OCTESTRING		(a3sysChipName)		
	 ▶ ■ APC ▶ ■ Bridge (RFC 1493) ▶ ■ CISCO Firewall 	Filter Condition: SNMP Context Names: SNMP Rule View:	Dee Not Contain				
	 CISCO Hardware CISCO Interface CISCO IOS 	Value SNMP OID: Value Type: Metric Calculation:	v Get v				
	CISCO RTT Monitor CISCO Stack Compaq Hardware	Scale Factor: Comparison: Object Value:	No Scale Greater Than 90				
*	Dell OpenNanage Dell Storage Dell Switch Extreme Network	Retrieve Performance Data F Fire Separate Events For Eac Fail Rule If Data Is Not Availa	or Argent Forecaster Only h Broken Instance able Or Nonexistent				
8	Fortinet Foundry HP Hardware	Save Performance Data To Ti	he Argent Forecaster Using Data Store: (default) Event Is Still Outstanding (Unanswered)	*			
	HP JetDirect HP Switch MEM ATM Switch	Do So Only After 1 Ignore The Same Outstandin Post Event Only After Rule Is Reset Counter	Hour 0 Minutes Since Event Is Post g Event If Alerts Were Fired More Than 1 Hour 0 Minute Broken 2 Or More Times 1	es Ago			
	© 1991-2025 Argent Software. All Rights Reserved			Adm	nin User: Anytime-Support\Triv (C	lient IP: 192.168.37.195 Sect	urity: Smart)

SNMP Rule View defines the way in which SNMP parameters are configured in the Rule to retrieve SNMP OID values. There are three types of views, namely: **Simple, Multi-Level** and **Advanced.**

Simple

This is the simplest way to configure SNMP parameters.

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1	🖡 💻 Argent Omega for Exchange	SNMP CONTExt Names:							-
Æ	🕨 📁 Argent Omega for Microsoft 365	SNMP Rule View:	Simple 👻						
	🕨 📒 Argent Omega for Oracle	Value SNMP OID:							
##*	Argent Omega for SNMP	Value Type:	*						
LIIII)	▼ SNMP Rules	Metric Calculation:	Get 👻						
	▼ 3Com	Scale Factor:	No Scale 👻						
	SNMP_3COM_SWITCH_CPU_STATUS	Comparison:	Greater Than						-
-	SNMP_3COM_SWITCH_FAN_FAILURE	Object Value:	90						
đ.	SNMP_3COM_SWITCH_INACTIVE_PORT	Retrieve Performance D	ata For Argent Forecaster Only						
and a second	SNMP_3COM_SWITCH_OVER_TEMPERATURE								
B	APC	Fire Separate Events H	r Each Broken Instance						
EE0	bill CIECO Eleverall	Fail Rule If Data Is Not	Available Or Nonexistent						
	CISCO Hardware	Save Performance Data	To The Argent Forecaster Using Data Store: (defaul	-)					
		Post Event Even If The	Same Event Is Still Outstanding (Unanswered)						
_		Do So Only After	1 😳 Hour 0 💭 Minutes Since Event Is Post						
f \$₹	CISCO BTT Monitor	Ignore The Same Outst	anding Event If Alerts Were Fired More Than 🛛 👔 🕻	Hour 0 💭 Minutes Ago					
	CISCO Stack	Post Event Only After R	ule Is Broken 2 💭 Or More Times						
	🕨 🚾 Compag Hardware	Reset Counter							
1	Dell OpenManage	After Event Is Post							
and the second	Dell Storage	After Event Is Answere	1						
X	Dell Switch	After The Actual Condit	on Is Corrected						
	Extreme Network	Lange State Street							
	🕨 🚾 Fortinet	Category:							
Ø	Foundry	Subcategory:							
Den 1	🕨 🚾 HP Hardware	Application	Edofault3						
C.	HP JetDirect	Appreciation.	[frequer.]						
_	Field HP Switch	Reference URL:	{default}						
	IBM ATM Switch	Console Comment:	*** High CPU Usage ***		Customize				
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Following Parameters need to be configured:

Value SNMP OID: Object ID to query. Either manually enter the OID or browse by clicking browse button.

Value Type: Type of OID value

Metric Calculation: Different SNMP Metric Calculation Methods are available, such as Get, Delta Since Last Poll, Delta Per Second, Delta Per Minute, Delta Per Hour and Delta Wait.

Scale Factor: Scale of measurement of metric value

Comparison: Operator to compare the given threshold against the metric value.

Object Value: Threshold to compare

Multi-Level

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

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	🕨 🚃 Argent Omega for Exchange	SWMP CONTExt Names:							-
Æ	Argent Omega for Microsoft 365	SNMP Rule View:	Multi-Level 👻						
	Argent Omega for Oracle	Value SNMP OID:							
m	 Argent Omega for SNMP 	Value Type:							
6.222	- SNMP Rules	Metric Calculation:	Get 👻						
	* acom	Scale Factor:	No Scale 👻						
	SNMP_3COM_SWITCH_CPU_STATUS	Comparison:	Equal To 👻						
	SNMP_3COM_SWITCH_FAN_FAILURE	Acceptable Limit Value:	0 2						
	SNMP_3COM_SWITCH_INACTIVE_PORT	Approaching Limit Value	e: 0 Plan						
	SWIP_SCOP_SWITCH_OVER_TEMPERATURE	At Limit Value:							
風	Bridge (RFC 1493)	Exceeding Limit Value:							
	CISCO Firewall	Major Overland Value:							
	🕨 📁 CISCO Hardware	Patriaus Darfamanas D							
124	🕨 🚾 CISCO Interface	Retrieve Performance L	ata For Argent Forecaster Only						
	🕨 🔚 CISCO IOS	Fire Separate Events Fo	or Each Broken Instance						
\square	🕨 🚾 CISCO RTT Monitor	Fail Rule If Data Is Not	Available Or Nonexistent						
	🕨 🚾 CISCO Stack	Save Performance Data	To The Argent Forecaster Using Data Store: {default}	×					
A	🕨 📁 Compaq Hardware	Post Event Even If The	Same Event Is Still Outstanding (Unanswered)						
	🕨 🚾 Dell OpenManage	Do So Only After	1 🗧 Hour 🛛 0 💭 Minutes Since Event Is Post						
A.G	🕨 🐖 Dell Storage	Ignore The Same Outst	anding Event If Alerts Were Fired More Than 1 Hour	0 📄 Minutes Ago					
K	Dell Switch	Post Event Only After R	ule Is Broken 2 🔵 Or More Times						
_	Extreme Network	Reset Counter							
8	Fortinet	After Event Is Post							
	Foundry	After Event Is Answere	1						
102	P HP Hardware	After The Actual Condition	ion Is Corrected						
48	P HP JetDirect								
	F IDM ATM Switch	Category:							
		Subcategory:							
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Advanced

Multiple conditions can be specified in Advanced Rule view. Rule broken logic options are available.

Sub-rule Logic combo box

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	Argent Omega for Oracle	Sub-rule Logic:	Rule Is Broken If Any Is True 🔹						
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	▼ 3Com	Object Name	un a		Condition				
	SNMP_3COM_SWITCH_CPU_STATUS								
	SNMP_3COM_SWITCH_FAN_FAILURE								
6	SNMP_3COM_SWITCH_INACTIVE_PORT								
	SNMP_3COM_SWITCH_OVER_TEMPERATURE								
A	▶ 📕 APC								
EQ	Bridge (RFC 1493)								
	CISCO Firewall								
	CISCO Hardware								
	CISCO Interface								
100	CISCO IOS	Retrieve Performance Data	For Argent Forecaster Only						
1	 CISCO RTI Monitor CISCO REDAK 								
	k Compage Hardware	Fire Separate Events For Ea	ach Broken Instance						
	Dell OpenManage	Fail Rule If Data Is Not Ava	illable Or Nonexistent						
	Dell Storage	Save Performance Data To	The Argent Forecaster Using Data Store: (default	}					
X	> Dell Switch	Post Event Even If The Sam	ne Event Is Still Outstanding (Unanswered)						
0	Extreme Network	Do So Only After 1	Hour 0 Minutes Since Event Is Post						
	🕨 📒 Fortinet	Ignore The Same Outstand	ling Event If Alerts Were Fired More Than 1	Hour 0 💭 Minutes Ago					
õ	Foundry	Post Event Only After Rule	Is Broken 2 💭 Or More Times						
In second	🕨 🚾 HP Hardware	Reset Counter							
Œ	🕨 🔝 HP JetDirect	After Event Is Post							
and a second	🕨 🔚 HP Switch	After Event Is Answered							
	🕨 🔤 IBM ATM Switch	After The Actual Condition ?	Is Corrected						
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Rule condition can be added by clicking "+" button. A sub-rule definition dialog is displayed where the Rule condition is defined.

There are two Sub-rule Types available in Advanced Rule View, **SNMP OID** and **Formula Expression**. The required details for both are specified in the sub window **SN5A**.

In **SNMP OID** type, Rule condition is defined based on retrieved SNMP OID value.

Select A SNMP OID		SN5A	*
Sub-rule Type: Value SNMP OID: Object Name:	SNMP OID)	
Value Type: Metric Calculation: Scale Factor:	Get		
Use As variable Only:	OK Cancel	ļ	

All parameters described in the **Simple** view (Value SNMP OID, Object Name, Value Type, Metric Calculation, Scale Factor, Comparison and Object Value) are configured here. The extra parameter is Variable Name. Instead of alerting, it is possible to keep the metric value in a user-defined variable by checking **Use As Variable** option – the variable can be used later in **Formula Expression** for metric calculation. Specify the variable name in **Variable Name** field. Formula Expression offers added flexibility in monitoring SNMP Metrics.

For example, if an environmental monitor returns the temperature of the server room in Celsius, the metric can be converted to Fahrenheit. Alternatively, the uptime of a server or device can be measured by converting TIMETICKS to hours (TIMETICKS are hundredths of a second). Multiple SNMP metrics can also be added together to get a total traffic figure.

Formula Name: Disk Usage Formula: (VAR_DISK_USAGE *100) / VAR_DISK_CAPACITY	
Formula: (VAR_DISK_USAGE *100) / VAR_DISK_CAPACITY	
Scale Factor: No Scale Comparison: Greater Than	•
Object Value: 90 🗘	

Specify a name in Formula Name field

Specify the formula expression in **Formula** field. The formula specified in the screenshot VAR_DISK_USAGE * 100 / VAR_DISK_CAPACITY, where VAR_DISK_USAGE and VAR_DISK_CAPACITY are variables defined using SNMP OID sub-rule type.

Scale Factor defines the scale of measurement of the metric value result.

Comparison defines the operator to compare the given threshold against the metric value result.

Object Value defines the threshold to compare.

Following is a sample Advanced type Rule configured:

	ARGENT OMEGA	(2.2A-2501-B)			n de comenta de coment	Ç Theme -	ে) Argent Instant Help	? About	U Logout	SN5S
		Use SNMP MIB: Enumerate SNMP Table: SNMP Context Names:		-MIB.mib	* +					
	✓ Fortinet ♦ SNMP_FORTINET_CPU_STATUS	SNMP Rule View:	Advanced	•						
Ш	SNMP_FORTINET_DISK_STATUS	Object Name		OID	Condition					
Ø.	 ♦ SNMP_FORTINET_INTERFACE_DOWN ♦ SNMP_FORTINET_MEMORY_STATUS 	fgSysDiskUsage fgSysDiskCapacity Formula(Disk Usage)		1.3.6.1.4.1.12356.101.4.1.6.0 1.3.6.1.4.1.12356.101.4.1.7.0 (VAR DISK USAGE * 100) / VAR DISK CAPACITY	Use As Variable: VA Use As Variable: VA Argent Forecaster (/AR_DISK_USAG /AR_DISK_CAPA Only	GITY			
	 SMMP_FORTINET_VPN_SSL_TUNNEL_TOTAL SMMP_FORTINET_VPN_SSL_USER_TOTAL Goundry 									
	HP Hardware HP JetDirect HP Switch									
	IBM AIM SWICH IBM Director Imm Interface (RFC 1213)	Retrieve Performance Data F	or Argent Forecaster Only							
×	 ► CAN Manager ► Manager ► Cannet ► Manager ► Cannet 	Fail Rule If Data Is Not Avail	able Or Nonexistent he Argent Forecaster Using Data Stor	e: {default}						_
6	 NetApp Netscreen Novell 	Post Event Even If The Same Do So Only After	e Event Is Still Outstanding (Unanswe Hour O Minutes Since E	red) vent Is Post						
¢	 OS Printer (RFC 2707) 	Post Event Only After Rule Is Reset Counter	s Broken 2 Or More Times							
	 minter (RFC 2790) System UPS 	After Event Is Post After Event Is Answered After Event Is Answered	Corrected							
	Windows MP Trap Rules Movement Rules	Category:	Corrected				Activa Go to S	ite Windo ettings to act	WS ivate Window	s.
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Check **Retrieve Performance Data For Argent Forecaster Only** option to only **save** performance metrics to Argent Forecaster, no Alert is fired.

Fire Separate Events For Each Broken Instance option fires separate Alerts for each broken condition.

SNMP Trap Rules

SNMP Traps are unsolicited SNMP information packets sent from any SNMP-compliant device to an SNMP manager, such as Argent Omega.

Traps can be sent for many reasons, such as hard drive failures, cooling fans that are not spinning at the right speed (or spinning at all), network interfaces suddenly dropping, or even for simple informational reasons like the SNMP service starting.

SNMP Rules run in Relators at scheduled intervals, so issues like a fan problem that occurs briefly might not be noticed. However, if the device sends an SNMP trap indicating the fan is not running properly, Argent can notify immediately.

SNMP Trap Monitor definitions can be defined to listen for specific traps or specific information <u>within a trap</u>. If a trap matches an SNMP Trap Monitor definition that is in Production Mode, Alerts are fired.

The Argent for SNMP comes equipped with the following highlighted pre-defined SNMP Trap Monitor definitions for a wide variety of devices.

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<i>1</i> 20	* Barracuda	Name	Description						
	+ TRP_BARRACUDA_VPN_EVENT	Amerit Omerin Baseline							
	* 🐸 CheckPoint	Argent Compliance Automator							
	TRP_CHECKPOINT_FIREWALL_EVENT	Argent Omega Web Defender							
E-	* 🧰 CISCO	Argent Omega for Active Directory							
	# TRP_CISCO_PIX_ADDR_SPOOF_DETECT	Argent Omega for Exchange							
161	TRP_CISCO_PIX_DOS_ATTACK	Argent Omega for Microsoft 365							
1000	TRP_CISCO_PIX_INVALD_PAK_ATTACK	Argent Omera for 3200		-					
R	# TRP_CISCO_PIX_PACKET_FWD_ATTACK	Argent Omega for SQL Server							
EE0	A TRP_CISCO_PDC_RECON_DETECT	Argent Omega for VMware							
	TRP_CISCO_PIX_SVC_SPOOF_DETECT								
[A]	TRP_CISCO_PIX_THIRDPARTY_ATTACK								
	* 🧰 Extreme Network								
S.	TRP_EXTREME_CONFIG_CHANGED								
	TRP_EXTREME_CPU_HEALTH_CHECK_FAILED								
A	TRO EXTREME_DOS_ATTACK_DETECTED								
-	A TRO EXTREME HIGH CON OPPORES								
8	+ TRP EVTREME INVALID LOGIN ATTEMPT								
0.0	* TRP EXTREME OVERHEATED								
	+ TRP EXTREME POWER FAILURE								
Ø	A TRP_EXTREME_STACK_MEMBER_OVERHEAT								
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Q.	🕨 🔚 Juniper								
	👻 🔤 SonicWall								
	A TRP_SONICWALL_FIREWALL_ATTACK								
	# TRP_SONICWALL_FIREWALL_SYSTEM_ERROR								
	TRP_SONICWALL_FIREWALL_WIRELESS_INTRUSION								
	# TRP_SONICWALL_VPN_TUNNEL_STATUS_CHANGES								
	* VPN								
	TRP_CISCO_VPN_SEC_TUNNEL_EARLY_TERMINATION								
	A INP_CISCO_VPN_SEC_TUNNEL_NO_SA								
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×	Argent Omega for Pricesoft 365	Enterprise OID:	1.3.6.1.4.1.9.9.147.2.0			
	Argent Omega for SNMP	Trap Name:	cfwSecurityNotification			
	SNMP Rules	Tran Type:	entermriseSpecific 2			
	💌 🔚 SNMP Trap Rules	Custom Trap Idenfication				
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jó.		Object Name				
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0.0	VPN	Automatic Resolution	Condition is corrected in Receiving A SNMP hap specified Below			
×	DeviceMagic Port Rules	Message Display:	Full Detail			
_	LINK Connectivity Rules	Trap Event Format:	System Default			
周	Device Configuration Rules	Save Performance Data To	The Argent Forecaster Using Data Store: (default)			
	CISCO VPN Tunnel Rules	Post Event Even If The San	ne Event Is Still Outstanding (Unanswered)			
1	CISCO Remote Access Rules	Do So Only After 1	🗧 Hour 💦 0 😂 Minutes Since Event Is Post			
G	Generic VPN Rules	Ignore The Same Outstand	ing Event If Alerts Were Fired More Than 1 🗧 Hour 0 😂 M	Minutes Ago		
	PowerShell Script Rules	Post Event Only After Rule	Is Broken 2 Or More Times			
	Argent Omega for SQL Server	Reset Counter				
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The following options are configured to handle SNMP Traps:

Select MIB file from **Use SNMP MIB** combo box. **The MIB file is essentially the personality of the device.** The MIB files govern what is possible to do or see via SNMP for a particular device. The MIBs of all common SNMP devices are already loaded in the combo box. Click "+" button to upload a new MIB file to the combo box.

Specify trap Enterprise OID in Enterprise OID field.

Whenever an SNMP Trap is sent, it includes an Enterprise OID. This includes the manufacturer ID, and perhaps a particular class or section of traps related to the sending application.

For example, if a server running Dell OpenManage detects a power supply failure, it can send a trap to Argent. The Enterprise OID will start with ".1.3.6.1.4.1.674.10892.1". In this example, "674" is Dell's manufacturer ID, and "10892" is part of OpenManage.

Traps can be filtered by specific trap names and types. Specify **Trap Name** and **Trap Type** to define the Trap filter. This differentiate between trap events – to distinguish between a trap indicating a power supply failure and a trap showing a fan was inserted more specific information is needed. Otherwise, any trap with a specified Enterprise OID would create the same alert. Trap Name can also be browsed and selected from selected MIB file.

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	Argent Omega for Hicrosoft 365 Argent Omega for Microsoft 365 Argent Omega for SNMP SNMP Rules SNMP Rules	Use SNMP MIB: Enterprise OID: Trap Name: Trap Type: Custom Trap Idenfication	1.3.6:1.4.1.2620.1:1.0 fwTrap enterpriseSpecific		•	•			2
	Biller Inde Police Biller Inde Police GeckPoint TRP_CHECKPOINT_FIREWALL_EVENT GISCO	Sub-rule Logic: Selected Trap Message Variable OID Object Name	Rule is Broken If Any Is True		Condition		+	• ×	+ +
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Rule broken logic can be selected from **Sub-rule Logic** combo box:

A sub-rule condition can be added by clicking the "+" button. A sub-rule definition dialog will pop up, where the rule condition can be defined. Sub-rule conditions should be added in the same way as in SNMP rules.

Condition Is Corrected If Receiving A SNMP Trap Specified Below option can be used to trigger a condition corrected event when receiving a specific SNMP trap.

In many cases, one SNMP Trap is effectively canceled out by another SNMP Trap. For instance, if the power fails trap is sent; then the UPS kicks in and a different trap is sent.

If utility power is restored (hopefully before the battery dies), the UPS could send a trap indicating as such. Argent can be configured to mark the event generated by the **"on battery"** trap when the **"back on normal power"** trap comes through. Check the option **Condition Is Corrected If Receiving A SNMP Trap Specified Below**, then define the Trap Enterprise OID List and Trap SNMP Filter sections in the same way as above, but with the settings for the **"normal power"** trap.

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Ŷ		Object Name	OID		(Condition				
â	CISCO VPN Tunnel Rules CISCO Remote Access Rules Generic VPN Rules									
×	Generation of the second									
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DeviceMagic Port Rules

DeviceMagic Port Rules monitors the switches without dealing with individual, explicit MIBs and OIDs.

DeviceMagic Port Rules monitors the following for switch host as well as individual ports:

- Up/Down Status
- In/Out Bandwidth Usage (MBPS)
- Packet Latency and Packet Loss



Check the option **Do Ping Test On Device** to check the connectivity of a SNMP device by doing a Ping test.

Check the option **Do Ping Test On Connected Neighbors** to check the connectivity of neighbor switches connected to a switch by doing a Ping test.

Check the option **Report Down Switch Ports** to Alert when the status of any switch port is down. Sample Rule execution result is below:

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Ø	→ III CISCO	Do Ping Test On Device						ŕ
	Extreme Network	Do Ping Test On Connected Neighbors	_					
	P in Fortigate	Report Test Rule	×					
	 SonicWall 	Report First time test status of port 'gi30' (Down)	^					
	> WDN	IGNORED port 'g132'. Reason: CMDB-X settings						
	DeviceManic Port Rules	IGNORED port 'gi3'. Reason: CHDB-X settings IGNORED port 'gi34'. Reason: CHDB-X settings						
	DPT_PORT_COMPREHENSIVE	IGNORED port 'gi35'. Reason: CMDB-X settings IGNORED port 'gi36'. Reason: CMDB-X settings						
in.	DPT PORT DOWN	Test Pir IGNORED port 'gi37', Reason: CMDB-X settings First time test status of nort 'gi38' (Down)						
a. San Ca	DPT PORT MBPS PREDICTOR ONLY	Test Po						
-		First time test status of port 'gi41' (Down)						
EO	DPT PORT PACKET LOSS	IGNORED port 'g142'. Reason: CMDB-X settings IGNORED port 'g143'. Reason: CMDB-X settings						
	DPT PORT STATUS	Test Po First time test status of port 'gi44' (Up) IGNORED port 'gi45', Reason: CMDB-X settings						
	DRT PORT STATUS CHANGED	Only Te IGNORED port 'gi46', Reason: CMDB-X settings	-					
		SNMP C First time test status of port 'gi48' (Up)						
~	LINK Connectivity Rules	First time test status of port 'gi49' (Up) First time test status of port 'gi50' (Up)						
T.	Device Configuration Roles	Fa First time test status of port 'gi51' (Up) First time test status of port 'gi52' (Up)						
	CISCO VPN Tunnel Rules	S First time test status of port 'Pol' (Up)						
A	CISCO Remote Access Rules	IGNORED port 'Po3'. Reason: C/DB-X settings						
-	F Generic VPN Rules	IGNORED port 'Po4', Reason: CMDB-X settings IGNORED port 'Po5', Reason: CMDB-X settings						
	PowerSneil Script Rules	IGNORED port 'Po6', Reason: CPDE-X settings	-					
and the second s	Argent Omega for SQL Server	Pro Data David David						
	Argent Omega for VPiware	Print Download Result Close						
8	Alerts							
	Balatara	After Event Is Answered						
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Check the option **Report Switch Port When Status Changes** to Alert when the status (Up or Down) of any switch port is changed.

Check the option **Test Ping Blast Packet Loss** to check packet loss (%) for a device connected to each port of SNMP managed switch. The packet loss % threshold value needs to be configured. Also, the ping blast parameters, such as number of ping requests, packet buffer size and Time To Live (TTL), need to be configured.

Time To Live (TTL) refers to the amount of time or "hops" that a packet is set to exist inside a network before being discarded by a router.

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	Configuration Rules VPN Tunnel Rules Remote Access Rules VPN Rules Intell Script Rules Integra for SQL Server Integra for VMware I) Groups	Ping Blast Parameters Ping Requests To Send: 10 Send Buffer Size: 32 Bytes Time To Live (TTL): 64 Seconds	9 0					
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The following is a sample Rule:

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Image: Control of Cont	CLSCO Extrame Network Fortigate SonicWall VPN DPT_PORT_COMPREHENSIVE DPT_PORT_COMPREHENSIVE DPT_PORT_DOWN DPT_PORT_DOWN DPT_PORT_MACKET_LATENCY	Test Ping Blast Packet Loss	
Image: Argent Omega for SQL Server Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware Image: Argent Omega for VMware	DPT_PORT_PACKET_LOSS DPT_PORT_STATUS DPT_PORT_STATUS LTNK Connectivity Rules Device Configuration Rules CISCO VPN Tunnel Rules CISCO Remote Access Rules Generic VPN Rules Generic VPN Rules	Test Po only Te SNMP C V152.168.111.4\SIMP Switch(192.168.111.4)\% Packet Loss = 0.00 Ping Ping Ping Ping Trace Information Pirst Time checking mutch ports Successfully Pinged 192.106.111.4 Send Send Send Time Ping Blatt Packet Loss = 0.00 Y	
Reset Counter Reset Counter Administration Reset Counter Administration Admi	Argent Omega for SQL Server Argent Omega for SQL Server Argent Omega for VMware Argent Argents Argent	Fr Print Download Result Close S S Post Event Event If The Same Event Is Still Outstanding (Unanswered) So So Only After So So Only After So 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	

Check the **Test Ping Blast Packet Latency** option to check the packet latency in milliseconds for a device connected to the port of SNMP managed switch. The packet latency milliseconds threshold value needs to be configured. Also, the ping blast parameters, such as number of ping requests, packet buffer size and Time To Live (TTL), also need to be configured. Time To Live (TTL) refers to the amount of time or "hops" that a packet is set to exist inside a network before being discarded by a router.

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	DPT_PORT_COMPREHENSIVE DPT_PORT_DOWN DPT_PORT_PORT_PACKET_LATENCY DPT_PORT_PACKET_LATENCY DPT_PORT_PACKET_LOSS DPT_PORT_STATUS DPT_PORT_STATUS_CHANGED DPT_DORT_STATUS_CHANGED DPT_DORT_STATUS_CHANGED DEVICe Configuration Rules	Major Overload Value: 1000 ms Retrieve Performance Data For Argent Forecaster Only Test Port In Mbps Test Port Only Mbps Test Port In/Out Mbps 0 0 0 Only Test Ports Matching Criteria 0 0 SNMP Context Names: 0 0					
₽	CISCO VPH Tunnel Rules CISCO VPH Tunnel Rules CISCO Remote Access Rules PowerShell Script Rules Margent Omega for SQL Server Argent Omega for VMware Argent Omega for VMware Monitoring Groups	Ping Blast Parameters Ping Requests To Send: 10 Send Buffer Size: 22 Bytes Time To Live (TTL): 64 Seconds					
Copyright	Relators Workflows Macros Calendars Administration 1911-2025 Argent Softwars. All Rights Reserved	Post Event Even If The Same Event Is Still Outstanding (Unanswered) Do So Only After I I Hour O Minutes Since Event Is Post Ignore The Same Outstanding Event If Alerts Were Fired More Than I O Minutes Ago Post Event Only After Rule Is Broken 2 Or More Times	Admin U:	er: Anytime-Support\Triv (Cl	ient IP: 192.10	68.37.195 Securit	y: Smart)

And the Rule result looks like the following:

	ARGENT OMEGA	(2.2A-2501-B) #Ome	theme - Argent Instant Help About Logout
	ARGENT OMEGA	2.2.4.2.501-8) Norme Report surface status changes Test Ping Blast Packet Loss Test Ping Blast Packet Loss Test Ping Blast Packet Loss Test Ping Only Ye Test Ping Augest Forecaster Data Test Ping Only Ye Test Ping Only Ye Test Ping Only Ye	Theme * Argent Instant Help About Logout
6	Argent Omega for VMware Argent Omega for VMware Monitoring Groups Gelators Workflows Monitoring Argent State Monitoring Argent State Monitoring Argent State Monitoring Argent State Monitoring Argent State	Print Download Result Close Point Download Result Close Post Event Even If The Same Event Is Still Outstanding (Unanswered) Do so Only After Image: Close Since Event Is Post Ingore The Same Outstanding Event If Alerts Were Find More Than Image: Close Since Event Is Post Minutes Ago Post Event Only After Rule Is Broken Image: Close Since Event Times Image: Close Since Event Since E	
Copyright	© 1991-2025 Argent Software. All Rights Reserved		Admin User: Anytime-Support\Triv (Client IP: 192.168.37.195 Security: Smart)

Use options **Test Port In Mbps**, **Test Port Out Mbps** and **Test Port In/Out Mbps** to test a switch port's In and Out bandwidth usage.

Use option Only Test Ports Matching Criteria to check the switch ports that match specified criteria.

=	ARGENT OMEGA		# Home	🔅 Theme •	(*) Argent Instant Help	? About	U Logout	SN2S
	CLSCO Extrame Network Fortigate SonicWall Over Network DeviceMagic Port Rules DPT_PORT_COMPREHENSIVE DPT_PORT_COMPREMENSIVE DPT_PORT_MONS_PREDICTOR_ONLY DPT_PORT_DOWN DPT_PORT_PORT_PACKELLATENCY	Acceptable Limit Value: 100 ms Approaching Limit Value: 20 ms Exceeding Limit Value: 100 ms Retrieve Performance Data For Argent Forecaster Only Test Port In Mbps Test Port In/Out Mbps Test Port In/Out Mbps						
	DPT_PORT_PACKET_LOSS DPT_PORT_STATUS DFT_PORT_STATUS_CHANGED LINK Connectivity Rules Device Configuration Rules CISCO VPN Tunnel Rules CISCO CREmote Access Rules	Only Tock of D Packing Cited a Out mills SIMP Context Names: ? Ping Blast Parameters Ping Requests To Send: 10 Send Buffer Size: 32 Bytes Time To Live (TTL): 64		Innos				
× ***	Generic VPR Nules Generic VPR Nules Generic VPR Nules Generic VPR Nules Generic Omega for SQL Server Generic Omega for VMware Generic Omega for SQL Server Generic Omega for Server Generic Omega for Server G	Fail Rule If Data Is Not Available Or Nonexistent Save Performance Data To The Argent Forecaster Using Data Store: Post Event Even If The Same Event Is Still Outstanding (Unanswered) O So Only After Ignore The Same Outstanding Event If Alerts Were Fired More Than Post Event Only After Rule Is Broken Post Event Only After Rule Is Broken Control After Event Is Post After Event Is Answered After Event Is Answered	Minutes Ago					
	© 1991-2025 Argent Software. All Rights Reserved			Admin U	ser: Anytime-Support\Triv (C	ient IP: 192.1	68.37.195 Securit	y: Smart)

And the Rule result looks like below:

	ARGENT OMEGA	(2.2A-2501-8) Home	skos روا کې دی. Theme + Argent Instant Help About Logout
Ø	CISCO Extreme Network	Acceptatie Unit Value: 100 5%	ĺ
		E Test Rule 50/2019-TEST01 50/2019-TEST01 R Test Time: Hon, 27 Jan 2025 08:40:33 (UTC) 50/2019-TEST01	
	DeviceMagic Port Rules DPT_PORT_COMPREHENSIVE DPT_PORT_DOWN	Test Dir Test User: ANVTIDE-SUPPORT\Triv A A A A A A A A A A A A A	
	 DPT_PORT_MBPS_PREDICTOR_ONLY DPT_PORT_PACKET_LATENCY DPT_PORT_PACKET_LOSS DPT_PORT_STATUS 	Argent Forecaster Data (1922.168.111.4)SMP Switch(192.168.111.4)\% Packet Loss = 0.00 (192.168.111.4)SMP Switch(192.168.111.4)\Ping Latency (ms) = 10.00	
	DPT_PORT_STATUS_CHANGED MELINK Connectivity Rules Merice Configuration Rules	R Test Po First Time checking suitch ports Successful) Plaqued 192.108.111.4 Test Po Sent 10 ping requests Plant 100 (Successful) Plant	
		Test Po Ping Blast Packet Loss = 0.00% ping Blast Packet Loss = 0.00% Successfully connected and queried sysObjectId: 1.3.6.1.4.1.318.1.3.27 Successfully connected port Status SNMP C IGGRED FINDOXE, Fort came: JFINDOXE Very TyPORXXX: Sort came: JFINDOXE	IFINDEX#2
×	 Margent Omega for SQL Server Margent Omega for VMware 	Ping Print Download Result Close	
3	Alerts Monitoring Groups Relators	Send Time To Live (TTL): 64 Seconds	
¢	Workflows Macros Calendars	Fail Rule If Data Is Not Available Or Nonexistent	
	Administration	Save Performance Data to the Argent Porecaster using Data Store: (default)	
Copyright	© 1991-2025 Argent Software. All Rights Reserved		Admin User: Anytime-Support\Triv (Client IP: 192.168.37.195 Security: Smart)

LINK Connectivity Rules

These Rules fire alerts if either a new connection to a neighbor switch is established or an existing neighbor switch connection is lost.

	ARGENT OMEGA			Но	ne Theme -	(1) Argent Instant Help	? About	U Logout	SN3S
Ø	fool Sets fool Sets for Argent Omega Baseline for Argent Compliance Automator for Argent Omega Web Defender for Argent Omega for Active Directory	Rule Is Broken If Any Connection To I New Connection Is D	r Of Following Condition Is True elighbor Switch isscovered						ĺ
	Argent Omega for Exchange Argent Omega for Microsoft 365 Argent Omega for Oracle Argent Omega for SNMP SNMP Rules	Use SNMP Context N Fail Rule If Data Is N Save Performance D Post Event Even If T	ames 🥐 ot Available Or Nonexistent tata To The Argent Forecaster Using Data Store: (default) he Same Event Is Still Outstanding (Unanswered)		3				
	SIMP Trap Rules SiMP Trap Rules Link Connectivity Rules UNK Connectivity Rules UNK_ANY_CHANGE Simulation Reference Simulation Reference	Do So Only After Ignore The Same Ou Post Event Only After Reset Counter @ After Event Is Post	Hour D Minutes Since Event Is Post Standing Event If Alerts Were Fired More Than Soft	our 0 🌍 Minutes Ago					
○	Signification Rules Generic VPN Tunnel Rules Generic VPN Runnel Rules Generic VPN Rules	After The Actual Con Cotegory: Subcotegory:	ittor Is Corrected						
*	PowerShell Script Rules Margent Omega for SQL Server Argent Omega for VMware Margent Omega for VMware	Application: Reference URL: Console Comment:	{default} v (default) (default) ====================================						
۲	Monitoring Groups	Access Control: ? Description: B Z U Format Block This sample Rule fire alerts if	(default) ▼ (Group) (default) ▼ Font ▼ ▼ ▼ ▼ ether a new neighbor link is established or neighbor link is lost	(Others) (Owner:	ANYTIME-SUPPORT	Triv 1)		Full	Screen
	© 1991-2025 Argent Software. All Rights Reserved				Admin	User: Anytime-Support\Triv (C	lient IP: 192.1	68.37.195 Securit	ty: Smart)

Check the option **Lose Connection To Neighbor Switch** to fire and Alert if the connection to an existing neighbor switch is lost.

Check the option **New Connection Is Discovered** to fire an Alert if a new neighbor switch connection is established.

Device Configuration Rules

Cisco and **Cisco-like** devices can be configured to allow the execution of the **show running-config** or **show run** commands. These commands compile the current configuration and dump out to terminal.

This facility uses the same mechanism to back up the device's configuration to the central Argent SQL database. Customers can then view all the versions that have been backed up.

This new facility is a completely automated control and patch management solution for all Cisco and Cisco-like devices.

The device backup can be configured in the CMDB-X section.

=	ARGENT O	MEGA (2.2A-2501-						# Home	🔅 Theme -	(1) Argent Instant Help Abc	ut Logout
Ø	Search						Server Or Device N	etwork Group	Scan Network	Properties	
	Network Group Or Machine	Туре	Alias	Lic	ensed	Suspend/Maintenan	Location	Contact	-	Group Or Key	Value
i	192.168.108.126	Linux/UNIX			Yes		NEW YORK			Access Point	No
_	192.168.110.102	Windows Server			Yes		MUMBAI			WIFI PS Rule	
	192.168.110.54	Windows Server			Yes		MUMBAI			Guest SSID	
	192.168.110.61	Windows Workstation			Yes		MUMBAI			▶ Ports	
ñ.	192,168.110.63	Windows Workstation			Yes		MUMBAI			Neighbors	
0.000	192.168.110.65	Windows Workstation			Yes		MUMBAI			Device Terminal	Not Configured
風	192.168.110.73	IP Device		Device Backup			×			Device Backup	Not Configured
0	192.168.110.75	IP Device	WIN2022-TEST	Value:	ot Confi	aured	-			▶ SNMP Managed	Yes
bd	192.168.111.1	IP Device		N	ot Confi	gured				▶ Hardware	
	192.168.111.18	IP Device		S	SH/Telne	et				▶ TCP Parameters	
10m	192.168.111.2	IP Device		S	CP					System Info Caching Minutes	720
1	192.168.111.3	IP Device			Yes					Monitoring Level	Normal
	192.168.111.4	IP Device	APC_UPS_003		Yes		косні			Tier	1
	192.168.111.7	IP Device			Yes					▶ Tag	
0.0	192.168.111.8	IP Device			Yes		UAE			Roles	
×	192.168.96.106	IP Device	switchbecab4		Yes		DALLAS			Location	косні
-	AI-MFC-102-W10	Windows Workstation					MUMBAI			Display Options	Reset Refr
0	AJS-TEST	Windows Server					THIRUVANANTHAPURAM			Group Or Key	Value
	AJS-TEST-ONE	Windows Server					THIRUVANANTHAPURAM			Show Objects	All
	ARGENT	URL Object	Argent Website		Yes		JAPAN			Organize By Group Category	Network Group
_	ARGENT_HELP	URL Object			Yes		косні			Group Name	-
	ARGENT_MONITORING	URL Object			Yes		MUMBAI		-	Monitoring Group	
Copyright @	9 1991-2025 Argent Software. All Rights								Admin Us	er: Anytime-Support\Triv (Client IP:	192.168.37.195 Security: Smart)

Select the protocol and click OK. The following highlighted CMDB-X properties need to be configured:

	ARGENT O	MEGA (2.2A-250)	-в)				A Home	🔅 Theme -	(්) Argent Instant Help	ල උ About Logout	D2
Ø	Search					Server Or Device	Network Group	Scan Network	Properties		× 8 📫
	Network Group Or Machine	Туре	Alias	Licensed	Suspend/Maintenan	Location	Contact		Group Or Key	Value	(
Ē	192.168.110.54	Windows Server		Yes		MUMBAI			▶ Ports		
	192.168.110.61	Windows Workstation		Yes		MUMBAI			Neighbors		
	192.168.110.63	Windows Workstation		Yes		MUMBAI			Device Terminal	Not Configured	
-	192.168.110.65	Windows Workstation		Yes		MUMBAI			Device Backup	SSH/Telnet	
Đ.	192.168.110.73	IP Device		Yes		NEW YORK			Keep Last Versions	10	
_	192.168.110.75	IP Device	WIN2022-TEST01	Yes		NEW YORK			▶ Group 1		
扇	192.168.111.1	IP Device		Yes		UAE			▶ Group 2		
	192.168.111.18	IP Device				THIRUVANANTHAPURAM			F Group 3		
E	192.168.111.2	IP Device		Yes					SNMP Managed	Yes	1
	192.168.111.3	IP Device		Yes					Hardware		
Ŕ	192.168.111.4	IP Device	APC_UPS_003	Yes		косні			TCP Parameters		
	192.168.111.7	IP Device		Yes					System Info Caching Minutes	s 720	

Argent Omega for SNMP Tool Sets contains Device Configuration Rules to backup and monitor the configuration changes.

=	ARGENT OMEGA			# Home	🔅 Theme •	ر ئ Argent Instant Help	? About	U Logout	SN6S
<i>8</i>	Tool Sets Argent Omega Baseline Argent Compliance Automator Argent Compliance Automator Argent Omega Web Defender Argent Omega for Active Directory	Device Monitor Optio Backup Configuratio Backup Configuratio	on on Only on And Fire Event If Device Configuration Has Changed						
	Argent Omega for Exchange Argent Omega for Nicrosoft 365 Argent Omega for Oracle Argent Omega for SNMP STMP Rules SIMP Trap Rules Overleakagic Port Rules	Command Response Fail Rule If Failed To Save Performance I Post Event Even If Do So Only After	Timeout: Seconds Deconnect To Device Data To The Argent Forecaster Using Data Store: (default) The Same Event Is Still Outstanding (Unanswered) 1 0 Hour To D Hinters Since Event Is Post Utstanding Event Valuet Were Stered Mero Thoro						
	LINK Connectivity Rules LINK Connectivity Rules	After Event Is Answ After The Actual Co	ered dittion Is Corrected						
≫ 	Generic VPN Rules Generic VPN Rules	Category: Subcategory: Application: Reference URL: Console Comment: Access Control: ?? Description:	(default) (default) *** Backup Only *** (default) (default) (default)	(Others) (Owner: ANYTII	ME-SUPPORT\Tri	v 1)			
	Catendars Mannistration 1091-2025 Argent Software. All Rights Reserved	B Z U Format Block This sample rule saves device	Font ▼ T ▼ ▲ ▼ ≥ ▼ E = = = = = = = = = = = = = = = = = =		Admin U	ser: Anytime-Support\Triv (Cl	ient IP: 192.1	Full 5	Screen y: Smart)

Choose Backup Configuration Only option to back up the device's configuration to the Argent SQL database.

Choose **Backup Configuration And Fire Event If Device Configuration Has Changed** option to backup and fire Alert for configuration changes.

CISCO VPN Tunnel Rules

Merely deploying a Virtual Private Network (VPN) alone does not guarantee smooth IT operations -- constantly monitoring of VPN connections (VPN Tunnel Monitoring) for possible bandwidth constraints and security threats is needed.

Argent Omega can show the full picture of VPN activities, including:

- Who logon user
- Where remote IP and geolocation of city, region, and country
- When start time, end time, and duration of the VPN session
- What protocol, in/out total bytes, and calculated bandwidth usage

Argent Omega offers the following set of Rules to monitor CISCO VPN Tunnels:

Global Statistics Rules

Configure Global Statistics Rules to monitor the following parameters:

- Site-to-Site VPN tunnel count
- In/Out Bandwidth Usage
- Bad VPN connections and connections that drops too many packets

	ARGENT OMEGA (2.2A-	2501-B)			di Home	🔅 Theme -	ে) Argent Instant Help	? About	U Logout	SN9S
	SHMP Trap Rules Contended of the second se	Rule Is Broken If Any Active Tunnel Count E Average In Bandwidt Average Out Bandwid Average In/Out Bandwi In Drop Packets Excee Out Drop Packets Exce	Of Following Condition I exceeds Usage Exceeds th Usage Exceeds width Usage Exceeds eds eaeds	10 Megabits/s 100 Megabits/s 100 Megabits/s 100 Megabits/s 100 Packets/s 100 Packets/s						
	CISCO_TUNNEL_COLOBAL_TOO_MANY_TUNNELS CISCO_TUNNEL_GLOBAL_TOO_MANY_TUNNELS CISCO_TUNNEL_VPN_CNE_TUNNEL_ONE_LOCATIONS CISCO_TUNNEL_VPN_ONE_TUNNEL_CREATED CISCO_TUNNEL_VPN_TUNNEL_CREATED CISCO_TUNNEL_VPN_TUNNEL_TERMINATED Per Lost CISCO Remote Access Rules CISCO Remote VPN RULE CISCO REMOTE VPN RULE CISCO REMO	Use SNMP Context Na Retrieve Performance Fail Rule If Data Is No Save Performance Da Post Event Even If Th Do So Only After Ignore The Same Out Post Event Only After	mes 😗 Data For Argent Forecaster t Available Or Nonexistent ta To The Argent Forecaste e Same Event Is Still Outst 1 😋 Hour 💿 😨 standing Event If Alerts We Rule Is Broken 🛛	r Only r Using Data Store: (default) anding (Unanswered) Minutes Since Event Is Post rer Fired More Than 1 Hour Or More Times	0 🗘 Minutes Ago	•				
» 8	FowerShell Script Rules Fore Topological Content of the second	Reset Counter After Event Is Post After Event Is Answer After The Actual Cond Category: Subcategory: Application: Reference URL:	ed lition Is Corrected (default): (default):			_				
	1991-2025 Argent Software. All Rights Reserved		foorable?			Admin U	ser: Anytime-Support\Triv (C	ient IP: 192.1	68.37.195 Securit	y: Smart)

Check **Active Tunnel Count Exceeds** option to alert if Site-to-Site VPN tunnel count exceeds specified threshold.

Use options Average In Bandwidth Usage Exceeds, Average Out Bandwidth Usage Exceeds and Average In/Out Bandwidth Usage Exceeds to monitor the bandwidth usage.

Use options **In Drop Packets Exceeds** and **Out Drop Packets Exceeds** to monitor the VPN connections dropping too many packets.

	ARGENT OMEGA (2.2A-				de Home	Theme -	(ٹ) Argent Instant Help	? About	ம் Logout	SN95
	SIMP Trap Rules Concerning R	Rule Is Broken If Any Active Tunnel Count Average In Bandwid Average Out Bandwi Average In/Out Band In Drop Packets Excc Out Drop Packets Exc	Of Following Condition Is To Exceeds h Usage Exceeds tht Usage Exceeds width Usage Exceeds eds eeds	ue 100 Megabits/s 100 Megabits/s 100 Megabits/s 100 Megabits/s 100 Packets/s 10 Packets/s						
	CLSC_TUNNE_GLOBA_JINT_FRO CLSC_TUNNE_GLOBAL_TOO_MANY_TUNNELS VPN Tunnel Activity CLSCO_TUNNE_VPN_ENCM_ALLOWED_LOCATIONS CLSCO_TUNNE_VPN_ONE_TUNNE_CONE_LOCATION CLSCO_TUNNE_VPN_TUNNE_CREATED CLSCO_TUNNEL_VPN_TUNNEL_CREATED CLSCO_TUNNEL_VPN_TUNNEL_CREATED CLSCO_TUNNEL_VPN_TUNNEL_TERMINATED CLSCO Remote Access Rules CLSCO REMOTE A	Use SNMP Context N Retrieve Performance Fall Rule If Data Is N Save Performance D Post Event Even If T Do So Only After Ignore The Same Ou Post Event Only After	ames 🧭 2 Data For Argent Forecaster On ot Available Or Nonexistent sta To The Argent Forecaster US te Same Event IS Still Outstandi 1 Hour 0 Hur tstanding Event If Alerts Were F r Rule Is Broken 2 0 C	Y ng Data Store: (default) ng (Unanswered) utes Since Event Is Post red Hore Than 1 Hour r More Times	0 🍧 Minutes Ago	-				
× •	BowerShell Script Rules BowerShell Script Rules Alers Alerts Alerts Monitoring Groups Relators Workflows Galendars Calendars	Reset Counter After Event Is Post After Event Is Anove After The Actual Con Category: Subcategory: Application: Reference URL:	red dition Is Corrected (default) (default)							

VPN Tunnel Activity Rules

Configure VPN Tunnel Activity Rules to alert for the following VPN activities:

- New VPN connection created
- Existing VPN connection terminated
- VPN connection coming from location that should have no employees working
- Multiple connections coming from the same remote IP, which is unusual unless both residents work for the same company

III	ARGENT OMEGA (2.2A-			de Home	🔅 Theme -	८ ७) Argent Instant Help	? About	ئ Logout	SN75
Ø	Grgent Omega for Exchange Grgent Omega for Microsoft 365 Grgent Omega for Microsoft 365 Grgent Omega for Oracle	Rule Is Broken If Any	Of Following Condition Is True Exceeds						
	Argent Omega for SNMP SNMP Rules	VPN Connection Com	es From Locations Not Allowed: THIRUVANANTHAPURAM tions Come From Same IP Addres THIRUVANANTHAPURAM			Ĭ			
	Simp Irap Koles DeviceMagic Port Rules EINK Connectivity Rules	New VPN Tunnel Is E	stabilshed) Terminated						
١Щ.	Device Configuration Rules GISCO VPN Tunnel Rules Global Statistics	Use SNMP Context N	ames 👩						
	VPN Tunnel Activity CISCO_TUNNEL_VPN_FROM_ALLOWED_LOCATIONS	Fail Rule If Data Is N	ot Available Or Nonexistent ata To The Argent Forecaster Using Data Store: (default)		•				
	CISCO_TUNNEL_VPN_ONE_TUNNEL_ONE_LOCATION CISCO_TUNNEL_VPN_TUNNEL_CREATED CISCO_TUNNEL_VPN_TUNNEL_TERMINATED	Post Event Even If T Do So Only After	ne Same Event Is Still Outstanding (Unanswered)	Minutes Ann					
	Eleven Lost Generic VPN Rules	Post Event Only Afte	r Rule Is Broken 2 0 Or More Times	Trinutes Age					
	PowerShell Script Rules Argent Omega for SQL Server	After Event Is Post After Event Is Answe After The Actual Con	red Vilition Te Corrected						
	Argent Omega for VMware Main Alerts Monitoring Groups	Category:							
	Relators Workflows	Subcategory: Application:	{default}						
	Calendars Administration	Reference URL:	{default}						
Copyright	1991-2025 Argent Software. All Rights Reserved				Admin U	ser: Anytime-Support\Triv (C	ient IP: 192.1	68.37.195 Security	y: Smart)

Check **VPN Connection Come From Locations Not Allowed** option to alert if VPN connection comes from specific locations. Locations need to be selected from the combo box.

Check **Multiple VPN Connections Come From Same IP Address** option to alert if multiple VPN tunnels come from same IP address.

Check New VPN Tunnel Is Established option to alert when a new VPN tunnel is created.

Check VPN Tunnel Has Been Terminated option to alert when an existing tunnel is terminated.

Peer Lost Rules

This Rule monitors the connectivity health of Site-to-Site VPN Tunnels. A spike of peer lost errors indicates deteriorating network connections. Configure this to alert if the number of peer lost failures exceeds the threshold within a specific period.

	ARGENT OMEGA (2.2)		et de la composition de la com	🔅 Theme -	ڑ¢) Argent Instant Help	? About	U Logout	SN8S
ÆV.	Argent Omega Baseline	Rule Is Broken If Peer Lost Failures Exceed 10 🗘 In Past 5 🗘 Minutes						1
×#	🕨 🖬 Argent Omega Web Defender	Use SNMP Context Names						
	Argent Omega for Active Directory	Fail Rule If Data Is Not Available Or Nonexistent						
	Argent Omega for Exchange	Save Performance Data To The Argent Forecaster Using Data Store: {default}		~				
	Argent Omega for Microsoft 365	Post Event Even If The Same Event Is Still Outstanding (Unanswered)						
EH.	Argent Omega for Oracle	Do So Only After 1 Hour 0 Minutes Since Event Is Post						
	 Argent Omega for SNMP 	Innore The Same Outstanding Event If Alerts Were Fired More Than	0 Minutes Ago					
ĥ	SNMP Rules	Post Event Only After Rule Is Broken 2 Or More Times						
-Jaco	SNMP Trap Rules							
a	Devicenagic Port Rules	After Event Is Post						
EQ	Device Configuration Rules	After Event Is Answered						
	CISCO VPN Tunnel Rules	After The Actual Condition Is Corrected						
	Global Statistics							
	VPN Tunnel Activity	Category:						
Ŕ	👻 🔜 Peer Lost	Subcategory:						
	B CISCO_TUNNEL_PEER_LOST_SPIKE	A well waters						
	F 🐸 CISCO Remote Access Rules	Approarton.						
	🕨 🔜 Generic VPN Rules	Reference URL: (default)						
	🕨 🐸 PowerShell Script Rules	Console Comment: === VPN Peer Lost Spike ===						
×	🕨 🐸 Argent Omega for SQL Server		(Others) (Owner		(POORT) Taby			
	Argent Omega for VMware	Access Control: 7	(outers) (owner	- ANTTIME SC				
周	Alerts	Description:						
	Monitoring Groups	B Z U Format Block ▼ Font ▼ 17 ▼ A ▼ 💆 ▼ 🗟 🗐 🗃 🗄	E == <i>I</i> x ↔				Ful	Screen
100	Relators	This sample Rule detects spike of VPN peer-lost failure						
95	Workflows							
	Macros							
	r Calendars							
	© 1991-2025 Argent Software. All Rights Reserved	MIT		Admin U	ser: Anytime-Support\Triv (C	ient IP: 192.1	68.37.195 Securi	tv: Smart)

Check the Rule Is Broken If Peer Lost Failures Exceed option and specify the threshold.

CISCO Remote Access Rules

CISCO Remote Access enables tracking of all users connecting remotely to the organization's network, which is an important aspect of monitoring logins, logoffs, bandwidth usage, session duration, etc.

Argent Omega offers the following set of Rules to monitor remote access VPN users:

Global Statistics

Configure Global Statistics Rules to monitor following parameters of remote access VPN:

- Remote access VPN session count
- Bandwidth used by download over VPN
- Bandwidth used by upload over VPN
- Bad VPN connections and connections that drops too many packets

=	ARGENT OMEGA (2.2A-				Home	Theme •	(१) Argent Instant Help	? About	U Logout	SNITS
	Argent Omega for Microsoft 365 Argent Omega for Vicrosoft 365 Argent Omega for SNNP SIMP Rules SIMP Rules DeviceMagic Port Rules DeviceMagic Port Rules Device Configuration Rules CISCO VPN Tunnel Rules CISCO VPN Tunnel Rules CISCO VPN Tunnel Rules CISCO CALCOBAL_BAD_VPN_CONNECTIONS CISCO_RA_GLOBAL_BAD_VPN_CONNECTIONS CISCO_RA_GLOBAL_HIGH_VPN_DOWNLOAD CISCO_RA_GLOBAL_TOO_MANY_SESSIONS CISCO_RA_GLOBAL_TOO_MANY_SESSIONS CISCO_RA_GLOBAL_TOO_MANY_SESSIONS Argent Omega for SQL Server CISCO_RA_GLOBAL_HIGH_VPN_UPLOAN CISCO_RA_GLOBAL_TOO_MANY_SESSIONS Argent Omega for SQL Server Argent Omega for SQL Server Argent Omega for SQL Server CISCO_RA_GLOBAL_SOL Server Argent Omega for SQL Serve	Rule Is Broken If Any Active Session Count Average In Bandwidt Average In Bandwidt Average In/Out Band In Drop Packets Exc Out Drop Packets Exc Use SHMP Context N Retrieve Performance Fail Rule If Data Is N Save Performance Di Post Event Even If IT D So Sonly After Reset Counter After Event Is Post After Event Is Post After The Actual Con Category: Subcategory: Application: Reference URL:	of Following Condition Is Exceeds h Usage Exceeds th Usage Exceeds eds ceeds ames ames ames	True Too © Megabity/s Too © Megabity/s Too © Megabity/s Too © Packets/s Too © Packets/s Only Using Data Store: (default) Minutes Since Event Is Post e Fired More Than 1 © Hour Or More Times	□ 🗘 Minutes Ago					
	© 1991-2025 Argent Software. All Rights Reserved					Admin U	ser: Anytime-Support\Triv (C	ient IP: 192.1	168.37.195 Secur	ity: Smart)

Check **Active Session Count Exceeds** option to alert if Site remote access VPN session count exceeds threshold.

Use options Average In Bandwidth Usage Exceeds, Average Out Bandwidth Usage Exceeds and Average In/Out Bandwidth Usage Exceeds to monitor the bandwidth consumptions.

Use options **In Drop Packets Exceeds** and **Out Drop Packets Exceeds** to monitor the VPN connections that drop too many packets.

Remote Access Activity Rules

Configure Remote Access Activity Rules to Alert for the following VPN activities:

- Extreme bandwidth usage
- Very long duration (forgot to sign off?)
- VPN connection coming from location that should have no employees working
- Multiple connections coming from the same remote IP, which is unusual unless both residents work for the same company

	ARGENT OMEGA (2.2A-					A Home	😨 Theme -	(*) Argent Instant Help	? About	ن Logout	SN12S
19927	Argent Omega for Microsoft 365	Rule Is Broken If Any	Of Following Condition	Is True							
×.	Argent Omega for Oracle	Incoming Bandwidth	Usage Exceeds	100	Megabits/s						
	Argent Omega for SNMP SNMP Bulles	Qutoping Bandwidth	Usage Exceeds	100	Megabits/s						
₩,	SNMP Trap Rules				The sector of th						
	DeviceMagic Port Rules	In/Out Bandwidth Us	age Exceeds	100	Megabits/s						
FR	Field LINK Connectivity Rules	Session Duration Exc	eeds:	01:00:00							
-	Device Configuration Rules	VPN Connection Com	es From Locations Not Allo	owed:							
6	CISCO VPN Tunnel Rules	Multiple VPN Connect	tions Come From Same IP	Address							
- And a	👻 📶 CISCO Remote Access Rules		Record and a					<i>i</i>			
	Global Statistics	VPN User:	Matches		-						
Ed	👻 🚾 Remote Access Activity	Client Vendor String:	Matches		-						
	CISCO_VPN_USER_ARCHIVE_ONLY	Use SNMP Context N	ames 🥐								
	CISCO_VPN_USER_FROM_ALLOWED_LOCATIONS	Retrieve Performance	a Data For Argent Forecast	er Only							
	<pre>CISCO_VPN_USER_HIGH_BANDWIDTH_USAGE</pre>	Fail Rule If Data Is N	ot Available Or Nonexister	t							
ि	CISCO_VPN_USER_LONG_DURATION	Save Performance Da	ata To The Argent Forecast	er Using Data Store:	{default}		-				
~	CISCO_VPN_USER_ONE_USER_ONE_LOCATION	Post Event Even If T	ne Same Event Is Still Out	standing (Unanswered							
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	© 1991-2025 Argent Software. All Rights Reserved	Application:	If default?				Admin U	ser: Anytime-Support\ <u>Triv (C</u>	ient IP: 192.16	8.37.195 Security	: Smart)
and the second											

Use options Incoming Bandwidth Usage Exceeds, Outgoing Bandwidth Usage Exceeds and In/Out Bandwidth Usage Exceeds to monitor the extreme bandwidth usage.

Check **Session Duration Exceeds** option to Alert for sessions that exceed specified duration.

Check **VPN Connection Come From Locations Not Allowed** option to alert if VPN connection comes from specific locations. Locations need to be selected from the combo box.

Check **Multiple VPN Connections Come From Same IP Address** option to alert if multiple VPN tunnels come from same IP address.

The Rule provides the options to filter the sessions of specific VPN User and Client Vendor String.

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XII -	Argent Omega for Oracle	Rule Is Broken If Any Of Following Condition Is True						
	T Argent Omega for SNMP	Incoming Bandwidth Usage Exceeds 100 Megabits/s						
***	CNMD Pulse	Outgoing Bandwidth Usage Exceeds 100 🗘 Megabits/s						
	SNMP Tran Rules	In/Out Bandwidth Usage Exceeds 100 💭 Megabits/s						
	DeviceMagic Port Rules	Session Duration Exceeds: 01:00:00						
	LINK Connectivity Rules	VIEN Connection Comes From Locations Not Allowed: THIRD MANANTHABURAN						
	Device Configuration Rules							
Đ.	CISCO VPN Tunnel Rules	Multiple VPN Connections Come From Same IP Address						
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	EISCO_VPN_USER_ARCHIVE_ONLY	Use SNMP Context Names 🥐						
	EISCO_VPN_USER_FROM_ALLOWED_LOCATIONS	Retrieve Performance Data For Argent Forecaster Only						
	CISCO_VPN_USER_HIGH_BANDWIDTH_USAGE	Fail Rule If Data Is Not Available Or Nonexistent						
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	Alerts	After Event Is Post						
Õ	Monitoring Groups	After Event Is Answered						
	F 🚧 Relators	After The Actual Condition Is Corrected						
G	Workflows	Category:						
	Macros	20 0.02						
	Calendars	Subcategory:						
		Application:						

Logon Failure Rules

This Rule detects spikes of VPN logon failures, which could indicate ongoing hacking activity.

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APR.	Argent Compliance Automator	Rule Is Broken If Logon Failures Exceed	30 🗘 In Past 5 🗘 Minutes						
×#	🕨 📑 Argent Omega Web Defender	Use SNMP Context Names (2)							
	🕨 🚟 Argent Omega for Active Directory	Eail Bule If Data Is Not Available Or Non	existent						
	🕨 🚧 Argent Omega for Exchange	Save Performance Data To The Argent F	energeter Heles Data Steres (default)						
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	INK Connectivity Rules	Reset Counter							
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	Global Statistics	Category:							
127	Remote Access Activity	Subcategory:							
~	👻 🚾 Logon Failure								
	EISCO_RA_BAD_AUTH_SPIKE	Application: {default}	•						
	Generic VPN Rules	Reference URL: {default}							
land and	PowerShell Script Rules	Console Comment:	trication Failure Colke ***		1				
X	Argent Omega for SQL Server	VPR Addle							
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100	Relators	This sample Rule detects spike of VPN authetication	failure spike						
	Macroe								
	Calendars								
	Administration								
Copyright	Copyright © 1991-2025 Argent Software. All Bights Reserved Admin User: Anytime Support/Yin/ (Client IP: 192.168.37.195 Security: Smart)								

Generic VPN Rules

Argent Omega for SNMP provides a set of Generic VPN Rules that target any non-CISCO VPN devices. The following vendors are supported out of the box:

- Check Point
- Fortinet
- Juniper
- SonicWall
- Zyxel

The Rule gathers common performance metrics, such as total tunnels and in/out bandwidth usage. More importantly, it provides unique security features for real-time alerts for potential hacking:

- VPN tunnel creation
- VPN tunnel termination
- VPN connection coming from locations that should have no employees working
- Multiple connections coming from the same remote IP, which is unusual unless both residents work for the same company

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	Argent Orrega for SMMP Argent Orrega for SMMP DeviceMagic Port Rules DeviceMagic Port Rules Device Configuration Rules CISCO VPN Tunnel Rules CISCO VPN Tunnel Rules CISCO Remote Access Rules CISCO Remote Acces	Device Vendor: SonicWAll Rule Is Broken If Any Of Following Condition Is True Active Tunnel Count Exceeds 100 ° Average In Bandwidth Usage Exceeds 100 ° Average Out Bandwidth Usage Exceeds 100 ° Average In/Out Bandwidth Usage Exceeds 100 ° VPN Connection Comes From Locations Not Allowed: Megabits/s Multiple VPN Connections Come From Same IP Address New VPN Tunnel Is Established VPN Tunnel Has Been Terminated VPN Tunnel Has Been Terminated			*			
	VPN_SONICWALL_RROM_LLIOWED_LOCATIONS	Use SNMP Context Names Retrieve Performance Data For Argent Forecaster Only Fail Rule If Data Is Not Available Or Nonexistent Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Argent Forecaster Using Data Store: Save Performance Data To The Arge	Minutes Ago	•				
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PowerShell Script Rules

This Rule allows the creation of custom PowerShell scripts to monitor SNMP-enabled devices. Two built-in Rules are available to demonstrate this:

• How to enumerate SNMP OID table using PowerShell Script

=	ARGENT OMEGA (2.2A-2		n an	Theme -	्रि Argent Instant Help	? About	U Logout	SN14S
(and	🔻 🕌 Tool Sets	24 \$rootOld = "1.3.6.1.2.1.2.2.1.1"						
1. Ale and the second s	🕨 🚟 Argent Omega Baseline	<pre>25 \$snmp = \$PSPlayer.GetSnmpContext()</pre>						
	Argent Compliance Automator	28 SthisOid = \$rootOid						
曲	🕨 📒 Argent Omega Web Defender	29 30 Sourcess # Strue						
	Argent Omega for Active Directory	31						
	🕨 🚾 Argent Omega for Exchange	32 While(ssuccess) {						
H	🕨 📁 Argent Omega for Microsoft 365	<pre>34 \$success = \$snmp.GetNextSingleValue(\$this0id, \$false, \$false) 35</pre>						
-	Argent Omega for Oracle	36 \$ifIndex = \$snmp.value						
403	💌 🚾 Argent Omega for SNMP	38 \$thisOid = \$snmp.oid						
-Viets	SNMP Rules	<pre>39 40 \$indexOid = \$snmp.GetTableIndex(\$rootOid)</pre>						
-	SNMP Trap Rules	41 42 if ([string]::TsHullOrFenty(SinderOid)) {						
鳳	DeviceMagic Port Rules	43 \$PSPlayer.WriteStatus("End of branch")						
	LINK Connectivity Rules	44 break 45 }						
N	Device Configuration Rules	46 else { 47 \$status0id = "1.3.6.1.2.1.2.2.1.8." + \$index0id						
124	CISCO VPN Tunnel Rules	48 49 Seurgars - Senen GatSingleValue/SetaturOid Sfalse Sfalse)						
	CISCO Remote Access Rules	50						
Ω.	Generic VPN Rules	51 if (\$success) { 52 \$value = \$snmp.value -as [int]						
	PowerShell Script Rules	<pre>53 switch(\$value) { 54 1 { SPSPlaver.WriteStatus("Port#" + SifIndex + ": Up") } </pre>						
	DE CET DOPT STATUS	<pre>55 2 { \$P\$Player.WriteStatus("Port#" + \$ifIndex + ": Down") } </pre>						
	PS_GET_FORT_STATUS	50 5 { \$P\$Pilger.WriteStatus("Port# + \$ifIndex + ": Unkown (" + \$snmp.value + ")") }						
	PS_GET_SYSDESCR	58 }						
X	Argent Omega for SQL Server	60 else { 61 SOCDIavan MniteStatus("Pont#" + Siftnday + ": (Failed to guary " + SetatusOid + ")")						
	Argent Omega for VMware	62 }						
	Alerts	65 } 64 }						
0	Monitoring Groups							
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	© 1991-2025 Argent Software. All Rights Reserved	The second data is a second		Admin U	er: Anytime-Support\Triv (Cl	ient IP: 192.1	58.37.195 Securi	ty: Smart)

How to read a single SNMP device metric using PowerShell Script

=	ARGENT OMEGA (2.2A-	501-8) #Ome	stua: راف کو کل Theme * Argent Instant Help About Logout
		321 Ssrap = §FSPlayer.detSingDevalue("1.3.6.1.2.1.1.1.0", \$false, \$false) 225 Ssrucess = ssnap.detSingDevalue("1.3.6.1.2.1.1.1.0", \$false, \$false) 226 SpSPlayer.WriteStatus("SyDescr Value = " + \$snap.Value) 23 SpSPlayer.WriteStatus("Fsiled to query OID") 33 } Timeout: 30 30 Seconds Rule Is Broken If Script Timeout (default) 33 > Do So Only After 1 1 Hour 0 Minutes Ag Post Event Only After Rule Is Broken 2 2 Or More Times 1	•
	CISCO Remote Access Rules Generic VPN Rules Generic VPN Rules Generic Stript Rules Generic Stript Rules Generic Stript Rules Generic Stript Rules	Reset Counter © After Event Is Post. After Event Is Answered After The Actual Condition Is Corrected	
•	PS_GET_SYSDESCR Gragent Omega for SQL Server Gragent Omega for VMware Alerts	Category: Subcategory: Application: {default}	
0	Monitoring Groups Monitoring Groups	Reference URL:	
¢	Workflows Macros Calendars	Console Comment:	er: ANYTIME-SUPPORT\Triv 1)
Convright	Administration Administration 1001-2025 Accent Software, All Binkts Reserved	Description:	Admin Lizer: Anutime Sumpart/Triv / (Tiart 10: 102 168 37 105 Security: Smart)
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