

# **UNIFY** Open Scape Fault Management

MONITORING OpenScape Voice

# MONITORING OpenScape Voice



# **Monitoring OpenScape Voice**

### **Requirements for monitoring with OSFM Server**

- > Access to the SNMP agent of the OpenScape Voice Assistant/Nodes
- > Setting SNMP Traps from OpenScape Voice Nodes/Assistant to OSFM Server
- Access to OpenScape Voice Assistent SOAP-Server

TASK 1 > OS Voice Assistant: Setting Access for SNMP V3 and Trap Destination

- → Log in to OS Voice Assistent/CMP: administrator@system/1SmnkS!.
- → Select MAINTENANCE -> MONITORING -> SNMP NOTIFICATIONS -> V3 USERS
- → Create SNMP V3 User for OSFM Server

UNIFY Common	Management Platform Domain: system	
	User: ad	ministrator@system
Configuration Maintenance	User Management Fault Management Performance Management	Accounting
Inventory Monitoring F	Recovery Licenses	
Alarms	📌 SNMP V3 Users	
Active <ul> <li>E911 Alarm Email Notification</li> </ul>	Onfiguration of User Management Model (USM).	
Logs		Add
Alarm System	Add SNMP V3 Users - Internet Explore     Athere is a second	e error ncryption
Remote Logging for OSV-TM	Add SNMP V3 Users	2
SNMP Notifications	Add a new SNMP V3 Users by entering Description, Engine id, User, Authentication Type, Authentication     Passphrase, Encryption Type and Encryption Passphrase	
▼ Receiver		
V3 Users	Description:	
<ul> <li>Sender</li> <li>Tools &amp; Utilities</li> </ul>	Engine id:	
Diagnostics Data Download	User:	

- → Select MAINTENANCE -> MONITORING -> SNMP NOTIFICATIONS -> DESTINATIONS
- → Add OSFM Server as Trap Target



Configuration Maintenance	Vanagement Platform Domain: system User Management Fault Management Performance Management
Inventory Monitoring F	Recovery Licenses
Alarms	🔩 Alarm Destinations (external Fault Management System)
Active E911 Alarm Email Notification	Alarms created in the system will be sent as SNMP traps to all destinations below.
Logs	
Alarm System Security	Sel:0   Items/Page: 200 V   All:0 IP address/Hostname Port Community String
Remote Logging for OSV-TM	Add Alarm Destination Internet Explorer
SNMP Notifications	Attps://10.20.100.101/management/portal/Applica Certificate error
Receiver	Add Alarm Destination
Sender     Destinations	The alarm destination is comprised of the IP address/Hostname and the
V3 Configuration	port.
Tools & Utilities	IP address/Hostname : 10.20.200.47 ×
🚼 Trace File 😨 Consistency Checker	Port: 162
Configuration Files	Community String:
	Version: 0 V2

TASK 2 > OS Voice Nodes: Setting OSFM Server as Trap Target

- → Log in to OpeScape Voice Assistent/CMP: administrator@system/1SmnkS!.
- → Select CONFIGURATION -> OPENSCAPE VOICE -> SETTINGS -> EZIP
- → Select Tab SERVERS and add OSFM Server as DESTINATION

UNIFY Common Man	🖉 EZIP Settings - Internet Ex	cplorer 🗸 🗸		
	@ https://10.20.100.101/ma	anagement/portal/Applications	s/Operation/OSV/Administrati	on, 💈 Certificate error
Configuration Maintenance Us	(UnifyAcademy]-E2	IP Settings		?
OpenScape Voice OpenScape Bran	General Remote Adr	min Routes Servers		
UnifyAcademy	SNMP Sel:0   All:1	F7IPServer - Internet Evol	Add	Edit Delete
	Destination IP	Attps://10.20.100.101/ma	anagement/portal/Application	S Certificate error
General Settings	127.0.0.1	fUnifvAcademv]-SI	NMP	2
Endpoint Templates     Routing Gateways RG2700		Destination IP	10.20.200.47 ×	
🛃 COR		Port	162	
SOAP/XML Client • Operation Mode		Version	v2c 🔽	
		Security Name	public	
Database OSB synchronization	SNMP Servers Wide Settings	Auth/Security Level	authPriv 🗸	
🎾 Report	Trap Engine ID	Auth Protocol	SHA 🔽	
RTP	License	Auth Password		
Packet Filter Rules	License Server 1:	Privacy Type	DES 🗸	
Media Servers	Licence Agent Porti			



Add OpenScape Voice Assistant Host to OSFM	
Confidure SNMD Access for V2	
Compute SNMP Access for VS	
In the tabs below you can configure IP node specific parameter like polling intervals or SNMP parameters.	
IP Parameter SNMP Parameter SNMP V1/V2c SNMP V3	
Configure SNMP Paramter Name IP Address Port SNMP Version Retries Timeout Template	
● \$ 10.20.10 10.20.100.101 8167 V1 2 0 s	
10.20.10         10.20.100.101         161         V3         2         10 s           10.20.10         10.20.100.101         161         V3         2         10 s	-
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	Template
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System Management	
In the tabs below you can configure IP node specific parameter like polling intervals or SNMP parameters.	
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In the tabs below you can configure IP node specific parameter like polling intervals or SNMP parameters.          IP Parameter       SNMP Parameter         SNMP V3       SNMP V3         Configure SNMP V3 Parameter       SNMP V4/V2C         Name       IP Address         Port       Security         State       State         State       State         State       State         State       State         Name       IP Address         Port       Security         State       State         State	vacy
In the tabs below you can configure IP node specific parameter like polling intervals or SNMP parameters. IP Parameter SNMP V3 Configure SNMP V3 Parameter Name IP Address Port Security Security Authentif Authentif Privacy P Pri S 10.2 10.20.100.101 8167 No Auth SHA AES128 S 10.2 10.20.100.101 161 Authoris stephan SHA OpenSc AES128 Op	ens Poswity Level
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In the tabs below you can configure IP node specific parameter like polling intervals or SNMP parameters.          IP Parameter       SNMP Parameter         SNMP V3 Parameter       SNMP V3         Configure SNMP V3 Parameter       Security         Name       IP Address         Port       Security         Security       Security         Authentif       Privacy P         IO 20. 100.101       8167         No Auth       SHA         AES128         IO 2       10.20.100.101         161       Authoris         Stephan       SHA         AES128       OpenSc         AES128       No	Vacy Authorisation/Encryption  Eccurity Name stephan
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In the tabs below you can configure IP node specific parameter like polling intervals or SNMP parameters.          IP Parameter       SNMP V3 Parameter         Configure SNMP V3 Parameter       SNMP V3         Name       IP Address         Port       Security         Security       Security         Authentif       Privacy P         ID 2       10.20.100.101         8167       No Auth         SHA       AES128         10.2       10.20.100.101         11       Authoris         Stephan       SHA         AES128       OpenSc         AES128       OpenSc         AES128       OpenSc	Vacy Authorisation/Encryption V V ecurity Name stephan V uthentification Protocol SHA V V outhentification Password OpenScape.1
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# TASK 4 > Setting Access to the SOAP Interfaces

# → Host object OSV Assistant: CONFIGURE the HTTPS 443 Object and accept the certificate



#### OSFM – ESSENTIALS

-					-	
v 😵	Default (IP	v4)		Nam	ne	IP Addr
- • <mark>•</mark>	Nodes I	Default (IPv4	1)		10.2	10.20.1
L	v 🕺 10.20	0.100.101			10.2	10.20.1
	🛛 🕨 🔣 Ini	terfaces				
	🗾 Ev	/ents				
	ା 🕨 🖉 ମ	NMP 8167				
	🧧 Sł	naredServic	es			
	📃 Ui	nifyAcademy	/			
	🕞 📙 HI	P8k				
	🧕 H	TTPS 443	Ever	nts		►
	ШН	TTP 8080	Ope	n		•
	I H	TTPS 104	Edit			►
	55 <u>5</u> 5	SH	S Con	figure		
	[8] SI	NMP	Prop	erties	_	_
	10.20	0.100.110	Hom	ne Page		
	System Ma	inagemen	IP			►
▶ 🥹	fe80:0:0:0:	0:0:0:0	💡 Stati	us Explar	nation	
No. 1     Sec.	Shared Sei	rvices -10.	0.100		-	
🗞 10.2	0.100.101 H	ITTPS 443	Configure	icata		8
🗞 10.2 НТТР	0.100.101 H Connection	ITTPS 443<> n Parameter	Configure Certif	V		8
S 10.2	0.100.101 H Connection	ITTPS 443<> n Parameter vant to trust th	Configure Certif	icate		<i>2</i>
NTTP HTTP Decide w	0.100.101 H P Connection hether you v	ITTPS 443<>> n Parameter vant to trust th	Configure Certif	icate		ي Thi:
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Versic Subje	0.100.101 H Connection hether you v on: V3 ct: CN=osvo ture Algorith	n Parameter vant to trust th ice, OU=Gen m: SHA1with	Configure Certif his certific: erated by RSA, OID	icate ate or not Unify Softv = 1.2.840.	ware an 113549	Contraction of the second seco
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→ A new child object "Hipath8000..." appears after accepting the certificate. Select CONFIGURE and enter CMP user in tab "HTTP Connection Parameter"



OSFM – ESSENTIALS

HTTP Connection Parameter	Certificate	]
Here you configure the connection p	arameter of a H	TTP server object.
		HTTP Login
		minstrator@system
		HTTP Password

→ Resetting the Login Counter for the SOAP Service



# **Discovery of OpenScape Voice**

Workflow:





#### View in OSFM Server





#### Illustration of OS Voice Event Set



#### Symbol hiQAccountMgmtFaultMgt (221)..... Account Manager hiQAucUscFaultMgmt (182)..... AUC, User Collection hiQAudFaultMgmt (102)..... Audit Manager hiQGlobalFaultMgt (217)..... Global hiQHardwareFaultMgt (219)..... Global hiQLicensingFaultMgt (220)..... Global hiQNmFaultMgt (107)..... Node Manager hiQOvlFaultMgmt (190)..... Overload Manager hiQSecurityFaultMgt (218)..... Security hiQSipFaultMgmt (230)..... SIP hiQSnmFaultMgt (119)..... Super Node System hiQSoapServerFaultMgmt (207)..... Soap Server hiQSolidFaultMgt (141)..... Solid Database hiQTicFaultMgmt (111)..... RTP Ticket System hiQTcaFaultMgt (216)..... Threshold Crossing Alarms hiQSurvivalAuthorityFaultMgmt (223) Survival Authority hiQUceFaultMgmt (193)..... Service Registration

#### TASK 5 > Display of systems and overviews



TASK 6 > Display of the event table





#### TASK 7 > Active alarm table



# TASK 8 > Configure Log File Access and Browse Log Files

Status Explanation		🗎 srxqry.log	
HP8k	•	🗎 startup_srx.log	
Interfaces	•	🗎 hosts_configuration.log	
Enternrise MIB	•	= 📮 create_saDevSwitch.cfg.log	
	ĺ.	create_saDevSwitch.cfg.node.cfg	
HTTPC 4700	ľ	create_sa_down.cfg.log	
HTTPS 4709	-	Create sa down.cfg.node.cfg	
SNMP	►	Host Resources 🔸 st.cfg.log	
timuc3	≯	OpenScape Voice MIB Browser	
Applications	×	Event Table	
SharedServices	•	Linstall_secur	
Laver 2	•	Browse Looffles	
MAD	÷.		
		install_conig configure Lognie Access	
		upgrade_comig.log	
.50.31.101		GenRoutesCfg.log	
ess-1 150 206 0		latest_srxctrl_log	
000 1 1 50 205 0		upd_bond_xch.log	
855-1.100.200.0		upd_bond_xch.node.cfg	
ý		Lines 293 Open Parent Open File Forma	tted Display
			and broping

MATERNA

#### **TASK 9 > Retrieve system information**

