

Cisco Expressway Integration

Release 23.3

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Configure Cisco Expressway

- 1. Log in to your Expressway.
- 2. On the **System** tab, select **SNMP**, and fill out the following values in the order displayed here, then click **Save**:
 - SNMP Mode: for example v2c
 - Description: (optional) for example public
 - Community Name: community string name, for example cmpreadonly

• System Contact: for example Administrator

cisco	tilitilit CISCO Cisco Expressivary/VCS Base This system has 2 dames						
Status	System Configuration	Applications Users Maintenance	A 7 Hele. or Loosed				
SNMP	Administration settings		You are here: System * SNMP				
This :	Network Interfaces	> hould install one for Expressivary or VCS, but it is not required for <u>Hybrid Services</u> .					
Configura	DNS						
	Time						
SNMP mo	SNMP						
Descriptio	Clustering	public (k)					
Communit	Protection	>					
System co	Login page	Administrator					
Location	Quality of Service						
	External manager						
Save	TMS Provisioning Extension services						

- 3. On the Maintenance tab, configure the following, then click Save:
 - 3.1. At Logging Options:
 - Set Local event log verbosity to between 1 and 4.
 - Set Media Statistics to On.
 - Set Call Detail Records (CDR) to Service and Logging.
 - Set Certification logging to Diagnostic.
 - 3.2. At **Remote syslog servers**, for **Remote syslog server 1**, insert the IP address of the Arbitrator.
 - 3.3. At System Metrics, configure the following:
 - · Set System Metrics Collection to On.
 - · Set Collection Interval (seconds) to 60.
 - At Collection server address, insert the IP address of the Arbitrator.
 - Set Collection server port to 514.

atus System Configuration	Applications	Users	Maintenance	
Lopping options	ey. You should <u>metal a</u>	ing for Expre	laway or VCS, but it	s not required for Hitera Service
Local event log verbosity		Г	4 🕶 :	
Media statistics			On 🗸	
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Remote syslog servers				
Remote syslog server 1			Address	172 30.42 169
Remote syslog server 2			Address	
Remote syslog server 3			Address	
Remate syslog server 4			Address	
System Metrics				
System Metrics Collection			On 🕶 :	
Collection Interval (seconds)			• 60	1
Collection server address			• 172.30.42.169	
Collection server port			• 514	

Set up Expressway on Arbitrator

- 1. Log in to Arbitrator.
- 2. Open the Asset Configuration page:

Click the toolbar Spanner icon (System Configuration), then click the Assets icon.

- 3. Choose relevant probe group.
- 4. Click the Plus icon (+) at the bottom of the Assets panel to add Expressways as assets.
- 5. Scroll down to the **Properties** tab, then fill out IP address, asset name, description, host name, type, address, and other relevant details. Save your changes.

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ASSET CONFIGURATION						Save	
Groups Group Name	Assets IP Address Asse	t Name	Description	Туре	Monitor Profile		
	Properties Interfaces						~
CSP Shared Architecture 3	Enabled			Model			
CYCLETRONIC 5	Maintenance Mode			Version			
ELITETECHS 7	IP Address	172.30.42.120		MAC Address			
FBX 1	Asset Name	ELITE-EXP-C		Alias			
	Description	ELITETECHS		Manufacturer			
	Host Name	ELITE-EXP-C		Time Zone	UTC		
Redline 2	Туре	Server voice	~	Customer	~		
	Address	London		Site	~		
	External URL						
Video End Points 0	Filter All Fp	ilter attern		Sort IP Address ~	Displaying 1 - 8 of 8 as	sets « first prev next last » 2	0 ~

6. Create credentials for Expressway API and Expressway SNMP.

1 4 6 ± ± • •					
	Name	Username	Password	Confirm	
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	POLYX50	•••••	•••••	•••••	×
	POLYX30	•••••	•••••		 Image: A set of the set of the
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	PANDA-AXL	******	•••••	••••••	<u> </u>
	SA-AXL	•••••			
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	vmwarev3-101-2-auth		•••••	•••••	
	vmwarev3-101-2-priv	******	•••••	•••••	
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	exp-snmpv2	•••••		•••••	
	EXPRESSWAY-API	username	password	password	~
	EXPRESSWAY-SNMP	community	community	community	.
	•				•

7.	Assign the followin	a probes to the	Expressway	assets, and	d configure v	values as i	ndicated i	in the table:
•••		9 0.0000 10 1.10						

Probe	Configuration
PING Monitor	 Select Enabled Set Frequency to 1 Minute Set Credential 1 to None Select Start Time as immediate Select Days, each day of the week
Cisco Expressway-API	 Select Enabled Set Frequency to 10 Minutes Set Credential 1 to Expressway Set Credential 2 to None Select Start Time as immediate Select Days, each day of the week
Cisco Expressway Call Detail-API	 Select Enabled Set Frequency to 10 Minutes Set Credential 1 to Expressway Set Credential 2 to None Select Start Time as immediate Select Days, each day of the week
Cisco Expressway - SNMP	 Select Enabled Set Frequency to 5 Minutes Set Credential 1 to exp-snmpv2 Set Credential 2 to exp-snmpv2 Select Start Time as immediate Select Days, each day of the week

	_				
MONITOR PROFILE » ELITE	EXP-E				
Groups		Templates/Profiles			
Probe Group		Name Freque	ncy Credenti	als 1 & 2 Enabl	Enabled
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> 1b-PING Monitor	1	10 Minutes V	tronesteer		
▶ 4-Cisco CUCM Version	1	Credentiel 1 Expressway ~	Days 🕑 that 🗹 that ✔ that		
▷ 5-Cisco RTMT	•	Credential 2			
▶ 6.Cisco Expressway-API	2	Name	Prabled		
▶ 6a.Cisco Expressway Call Detail-API	•	6.Cisco Expressway-API Frequency	Fallover		
» 6b.Cisco Expressway - SNMP	2	10 Minutes V	Immediate?		
> 7.CUCM Perfmon AXL Counters	•	Expressway	Days Sun 🗹 Mon 🗹 Tue	🗹 Wed 🗹 Thu 🗹 Fit 🗹	er ⊻ Set
▶ 8.Cisco Unity Perfmon AXL Counters		Credentiel 2 None]		
▶ 9.Cisco IMP Perfmon AXL Counters	•	Name	Enabled		
» 9a.CUCM-END USER		Frequency	Failover Start Time		
▶ 9b.VOSS4UC		5 Minutes V Credential 1	Immediate?		
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▶ AudioCodes1		exp-snmpv2 ~			
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