Cisco Expressway Integration

Release 25.1

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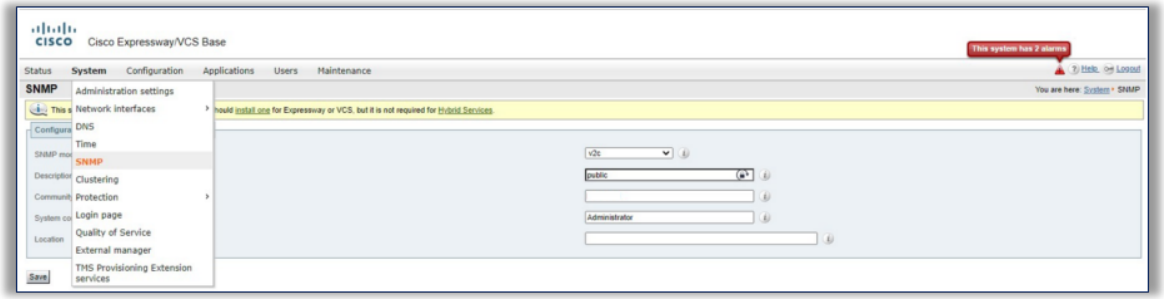
Configure Cisco Expressway

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`



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*.

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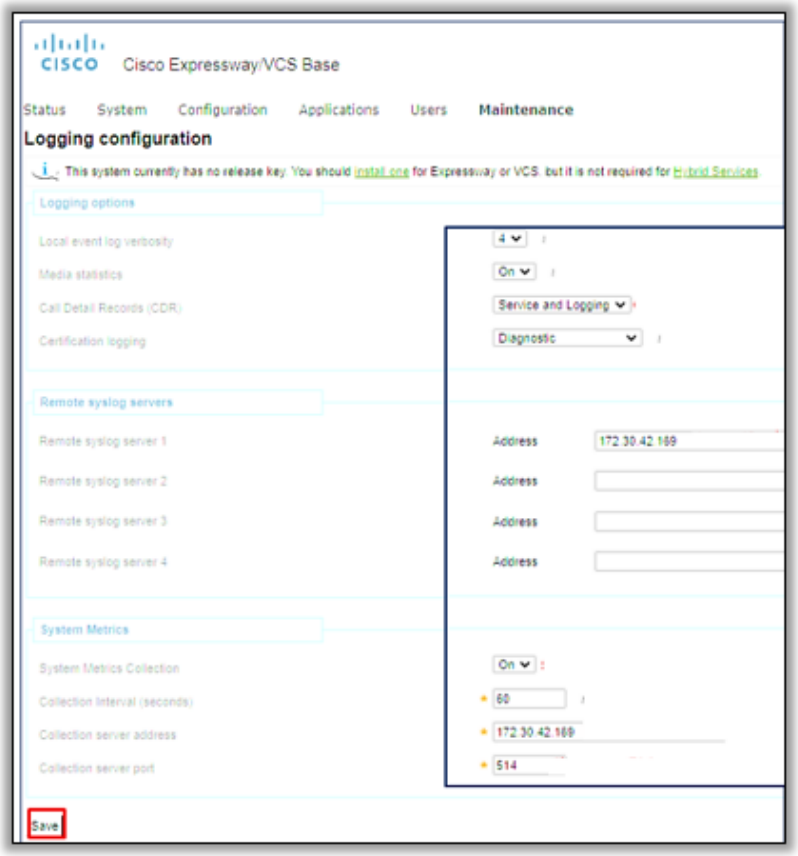

Set up Expressway on Arbitrator

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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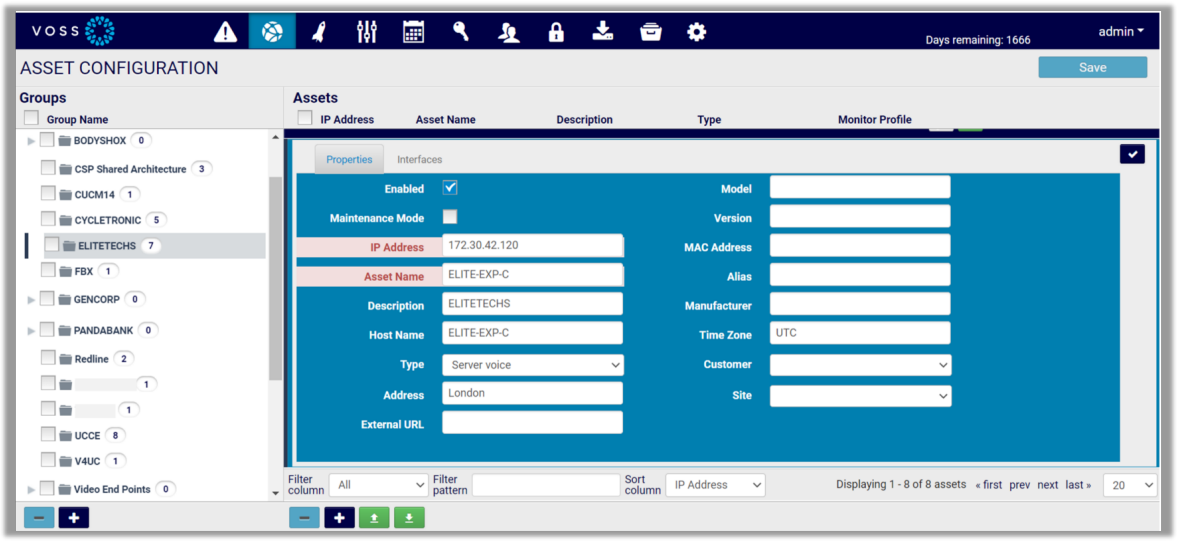
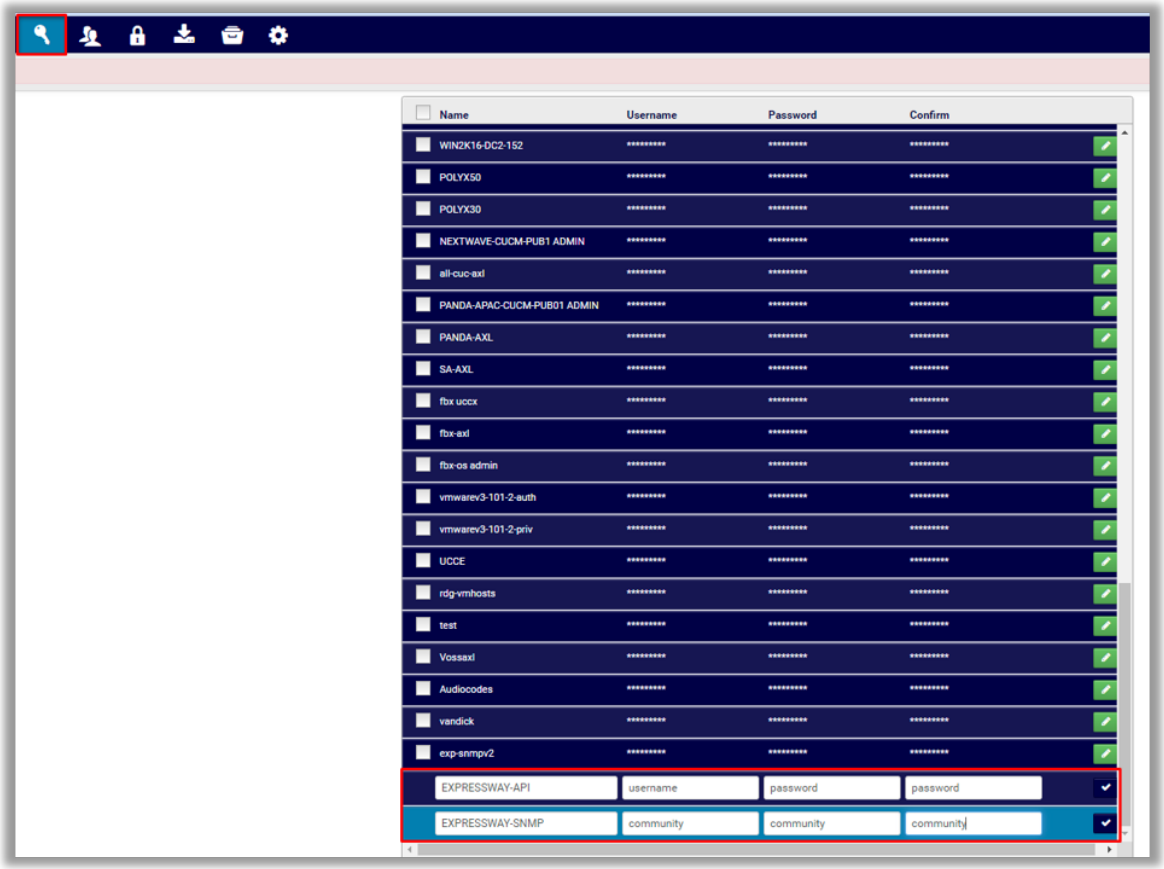


6. Create credentials for Expressway API and Expressway SNMP.



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7. Assign the following probes to the Expressway assets, and configure values as indicated in the table:

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

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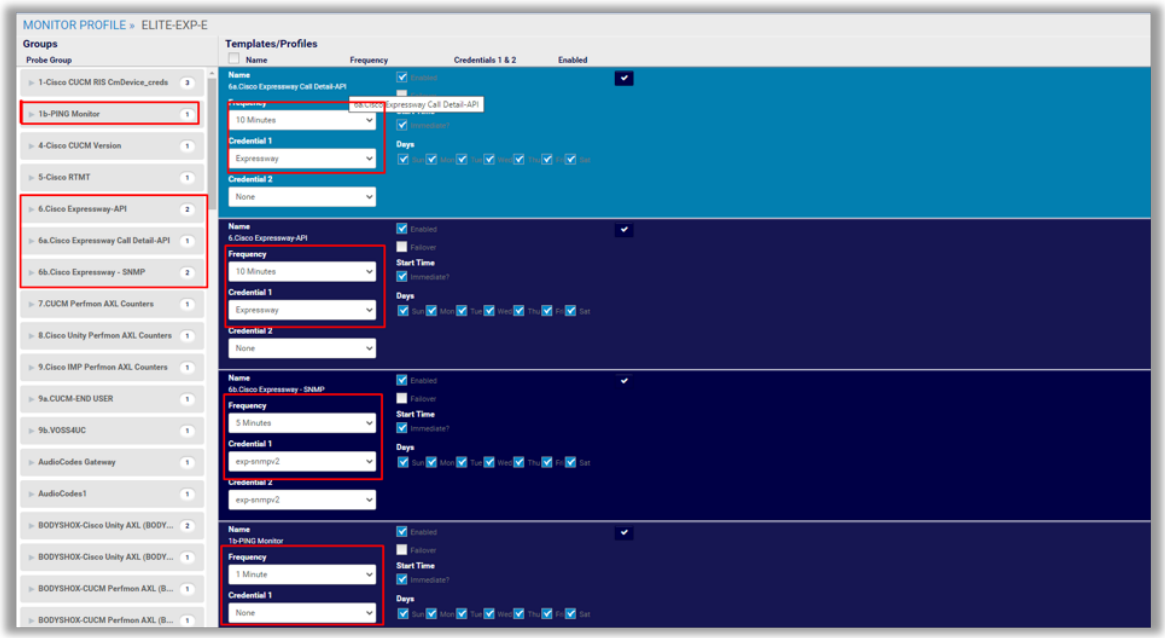

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