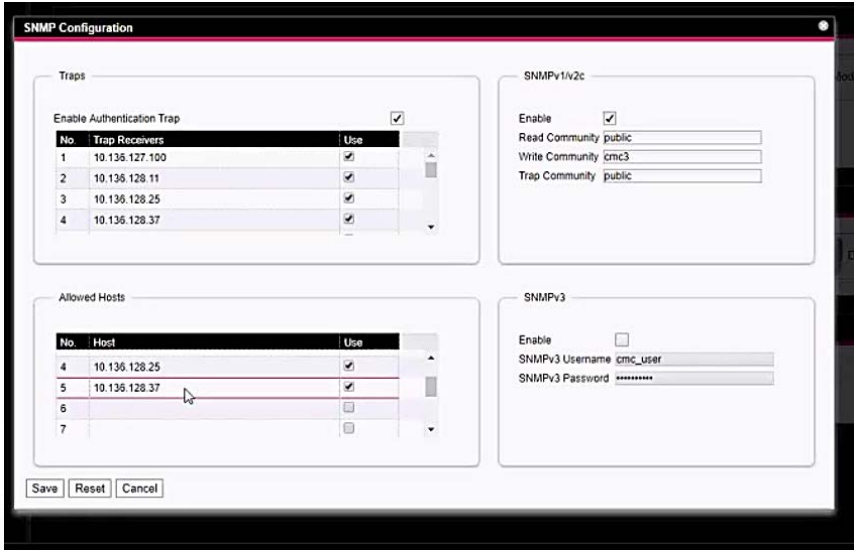




## Discover and Poll Rittal CMC III Devices

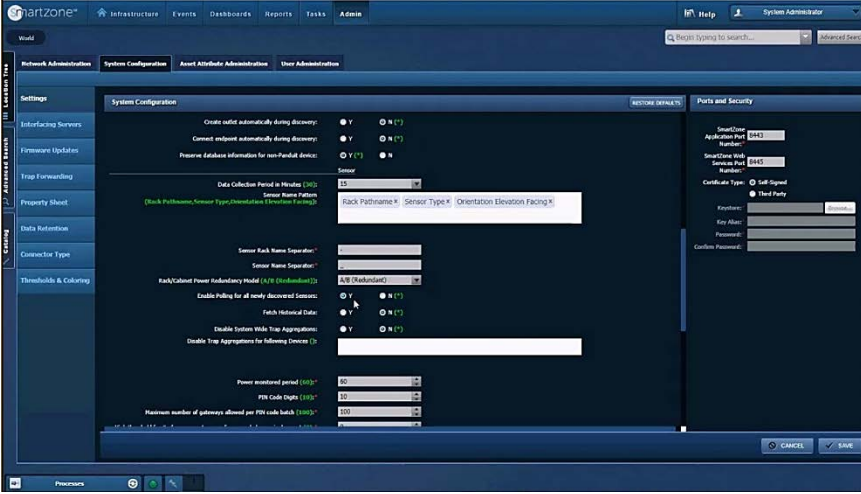
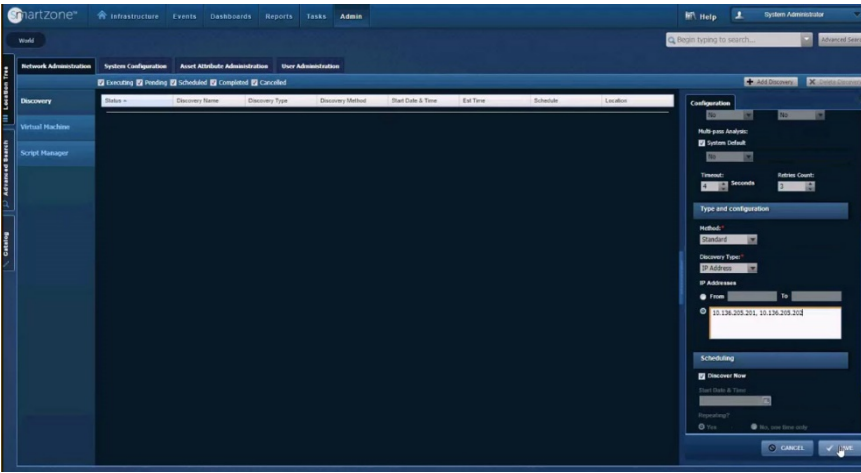
<b>Applies to:</b>	Rittal CMC III PU Compact and CMC III PDU, SmartZone Software
<b>Objective:</b>	Set up Rittal CMC III devices and SmartZone to discover and poll the devices.
<b>Documentation Reference:</b>	SmartZone DCIM User Manual, Discovery
<b>Pre-Requisites:</b>	<ul style="list-style-type: none"> <li>• The SmartZone server IP address must be included in the <b>CMC III PU Compact SNMP Traps</b> and <b>Allowed Hosts</b>. Ensure that the Read Community String is set. This is needed during the discovery phase in SmartZone.</li> <li>• The SmartZone server IP address must be included in the <b>CMC III PDU SNMP Traps</b> and <b>Allowed Hosts</b>. Ensure that the Read Community String is set. This is needed during the discovery phase in SmartZone.</li> </ul> 

### Description

For Rittal CMC III PU Compacts and CMC III network-enabled PDUs, special steps are required in the device Web Interface and SmartZone to successfully discover and poll the devices.

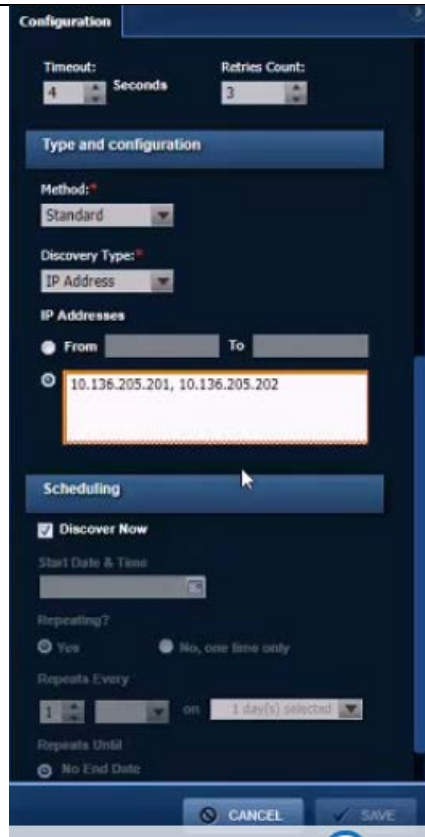
Door and handle sensors get discovered as generic BOOLEAN sensors. The user is expected to change these BOOLEAN sensors to the appropriate sensors (either door or handle) for each of the access module. This step is only needed for the access control sensors and is not applicable to environmental sensors (like temperature, humidity, etc.) and power sensors (like Amps, Volts, kWh, etc.).

## Performing the Procedure

Step	Instruction	Graphic	Result
1	Go to System Configuration in the Admin tab. Set the data collection period to 15 minutes and enable polling for newly discovered sensors.		Configuration is set for discovering the CMCIII devices. General Settings displays and you must enter the definition name and community string.
2	Go to Discovery under Network Administration. Click Add Discovery, and enter the IP address into the configuration tab. Then click Add under Protocols and add Public as a community string.		The Discovery starts.

3

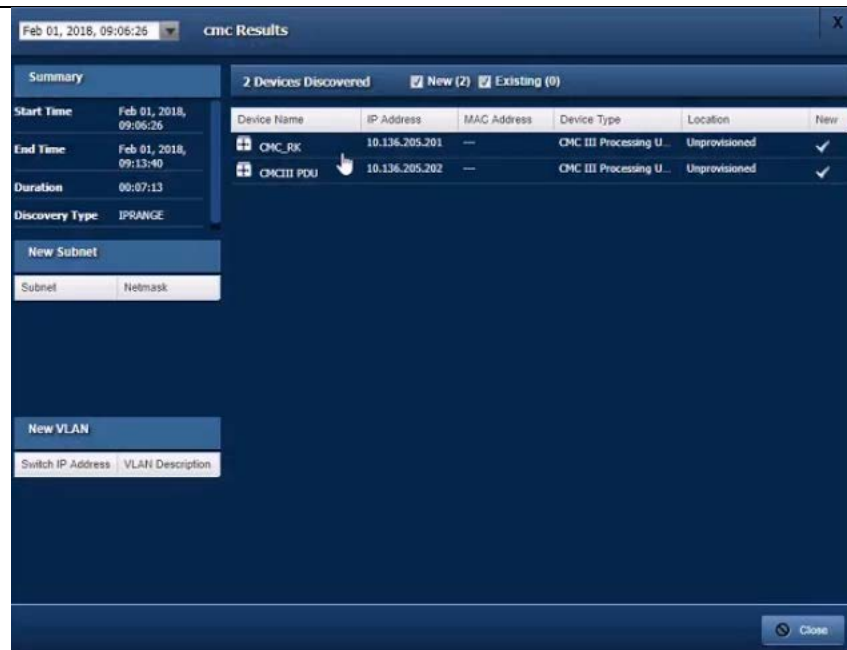
Under Discovery Type, select IP Address and then enter the IP Addresses for the CMC III devices to be discovered. Click Save.



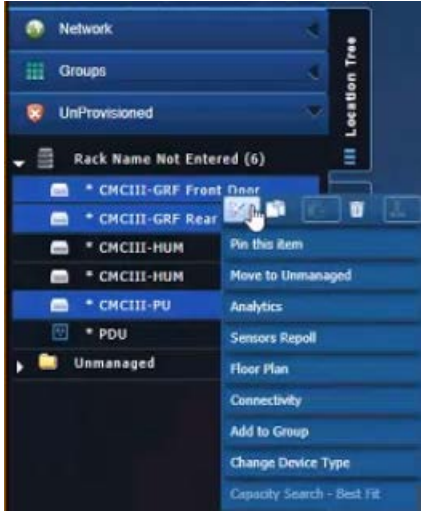
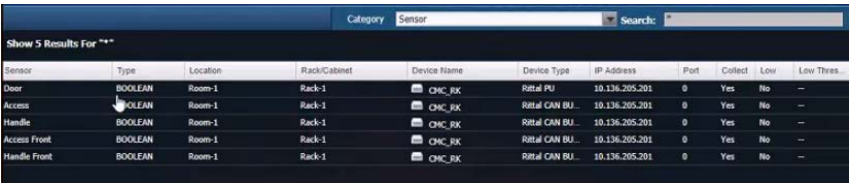
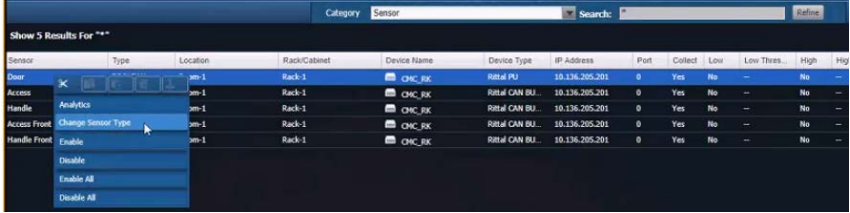
The Discovery starts.

4

When the Discovery completes, right-click the Discovery and select View Results.

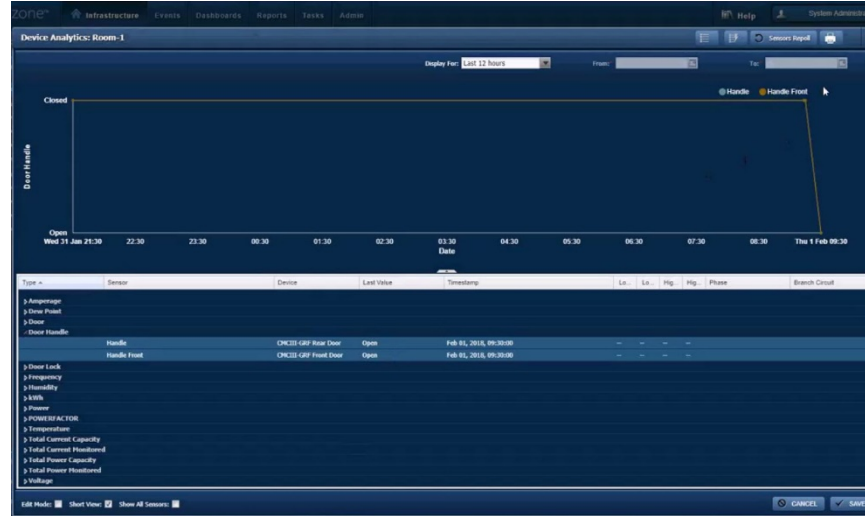


The request devices display.

<p>5</p>	<p>Select the devices from Unprovisioned and place them racks. Make sure to add all sensors associated with each device to the appropriate racks.</p>		<p>For Rittal CMC III devices, the sensors are CANBUS devices and must be added individually to the Location Tree. The sensors come into SmartZone as BOOLEAN devices.</p>																																																																														
<p>6</p>	<p>In Advanced Search, select the Sensor category and then select BOOLEAN as the Type.</p>	 <table border="1"> <thead> <tr> <th>Sensor</th> <th>Type</th> <th>Location</th> <th>Rack/Cabinet</th> <th>Device Name</th> <th>Device Type</th> <th>IP Address</th> <th>Port</th> <th>Collect</th> <th>Low</th> <th>Low Thres.</th> </tr> </thead> <tbody> <tr> <td>Door</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal PU</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> </tr> <tr> <td>Access</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal CAN BU...</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> </tr> <tr> <td>Handle</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal CAN BU...</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> </tr> <tr> <td>Access Front</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal CAN BU...</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> </tr> <tr> <td>Handle Front</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal CAN BU...</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> </tr> </tbody> </table>	Sensor	Type	Location	Rack/Cabinet	Device Name	Device Type	IP Address	Port	Collect	Low	Low Thres.	Door	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal PU	10.136.205.201	0	Yes	No	--	Access	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal CAN BU...	10.136.205.201	0	Yes	No	--	Handle	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal CAN BU...	10.136.205.201	0	Yes	No	--	Access Front	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal CAN BU...	10.136.205.201	0	Yes	No	--	Handle Front	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal CAN BU...	10.136.205.201	0	Yes	No	--	<p>All BOOLEAN type sensors display.</p>												
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<p>7</p>	<p>Right-click a sensor type and select Change Sensor Type. Select the appropriate type from the drop-down menu.</p>	 <table border="1"> <thead> <tr> <th>Sensor</th> <th>Type</th> <th>Location</th> <th>Rack/Cabinet</th> <th>Device Name</th> <th>Device Type</th> <th>IP Address</th> <th>Port</th> <th>Collect</th> <th>Low</th> <th>Low Thres.</th> <th>High</th> <th>High</th> </tr> </thead> <tbody> <tr> <td>Door</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal PU</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> <td>No</td> <td>--</td> </tr> <tr> <td>Access</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal CAN BU...</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> <td>No</td> <td>--</td> </tr> <tr> <td>Handle</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal CAN BU...</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> <td>No</td> <td>--</td> </tr> <tr> <td>Access Front</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal CAN BU...</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> <td>No</td> <td>--</td> </tr> <tr> <td>Handle Front</td> <td>BOOLEAN</td> <td>Room-1</td> <td>Rack-1</td> <td>CMC_RX</td> <td>Rittal CAN BU...</td> <td>10.136.205.201</td> <td>0</td> <td>Yes</td> <td>No</td> <td>--</td> <td>No</td> <td>--</td> </tr> </tbody> </table>	Sensor	Type	Location	Rack/Cabinet	Device Name	Device Type	IP Address	Port	Collect	Low	Low Thres.	High	High	Door	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal PU	10.136.205.201	0	Yes	No	--	No	--	Access	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal CAN BU...	10.136.205.201	0	Yes	No	--	No	--	Handle	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal CAN BU...	10.136.205.201	0	Yes	No	--	No	--	Access Front	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal CAN BU...	10.136.205.201	0	Yes	No	--	No	--	Handle Front	BOOLEAN	Room-1	Rack-1	CMC_RX	Rittal CAN BU...	10.136.205.201	0	Yes	No	--	No	--	<p>The sensor type changes and the sensor is removed from the search results table.</p>
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8

Select Device Analytics for a room and choose a sensor associated with a CMC III device.



For Rittal CMC III devices, sensor statuses are updated only at every polling interval. This is unlike SmartZone Gateways, where traps initiate an immediate polling.

**End of Steps**

## End State

Rittal CMC devices are successfully discovered and polled at the selected interval.