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Opengear provides Two ZenPacks for integration into Zenoss. The ZenPacks provide enhanced performance monitoring and event interpretation. This guide will explain their installation and use.

Opengear Zenoss How-To

Opengear provide two ZenPacks available from <http://opengear.com> or <http://community.zenoss.org>. The ZenPacks provide enhanced performance monitoring and event interpretation. This guide will explain their installation and use.

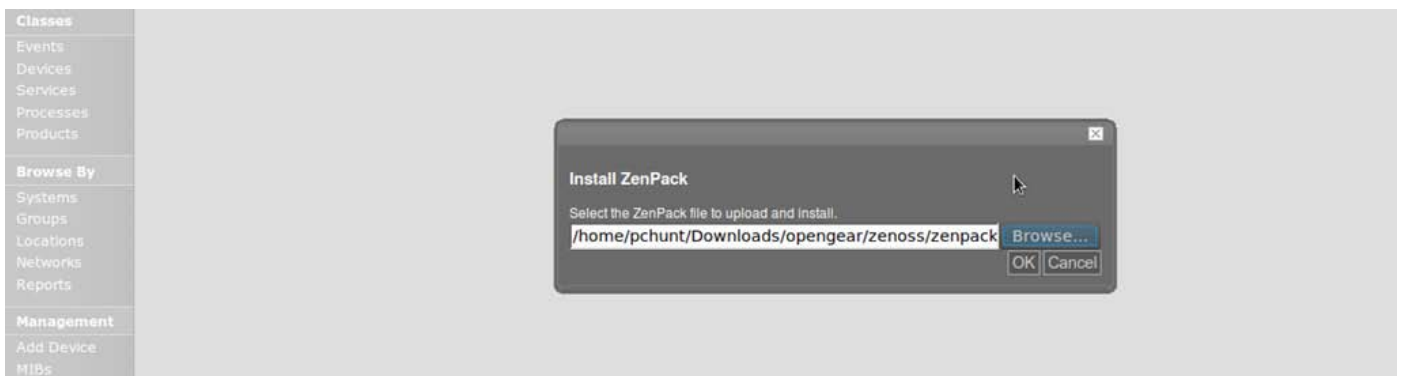
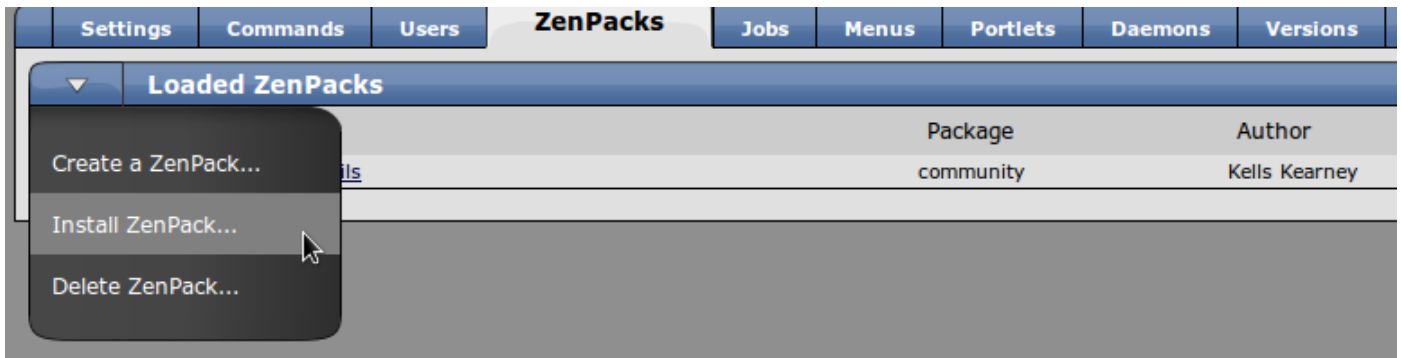
Importing the Opengear ZenPacks

ZenPack installation is explained in the Zenoss Core Administration Guide **13.2 Installing ZenPacks**. Download both the **ZenPacks.Opengear.MIBs** and **ZenPacks.Opengear.ConsoleServer** ZenPacks from the Zenoss Community web site. The ZenPacks will be in Zip Archives initially and will need to be decompressed before beginning installation.

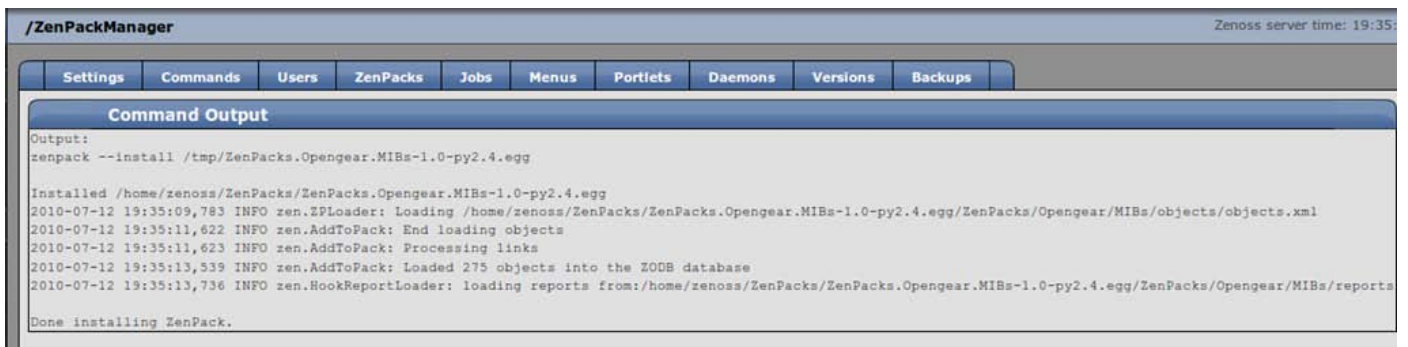
1. Open the Zenoss Web User Interface and navigate **Management > Settings > ZenPacks**.



2. From the drop down menu select **Install ZenPack...** and navigate to the folder where you saved the downloaded ZenPacks to.



3. Select **ZenPacks.Opengear.MIBs.egg** and click **OK**.
4. The ZenPack should install with no errors.



5. Repeat steps 1, 2, 3 and 4 for **ZenPacks.Opengear.ConsoleServer.egg**.

```

Settings  Commands  Users  ZenPacks  Jobs  Menus  Portlets  Daemons  Versions  Backups

Command Output

Output:
zenpack --install /tmp/ZenPacks.Opengear.ConsoleServer-1.0-py2.4.egg

Installed /home/zenoss/ZenPacks/ZenPacks.Opengear.ConsoleServer-1.0-py2.4.egg
2010-07-12 19:37:50,896 INFO zen.ZPLoader: Loading /home/zenoss/ZenPacks/ZenPacks.Opengear.ConsoleServer-1.0-py2.4.egg/ZenPacks/Opengear/ConsoleServer/objects/ob
2010-07-12 19:37:51,360 INFO zen.AddToPack: End loading objects
2010-07-12 19:37:51,362 INFO zen.AddToPack: Processing links
2010-07-12 19:37:52,023 INFO zen.AddToPack: Loaded 62 objects into the ZODB database
2010-07-12 19:37:52,167 INFO zen.HookReportLoader: loading reports from:/home/zenoss/ZenPacks/ZenPacks.Opengear.ConsoleServer-1.0-py2.4.egg/ZenPacks/Opengear/Cons
Done installing ZenPack.
  
```

- Once completed you should see both of the newly added ZenPacks in the table at **Management > Settings > ZenPacks**.

| /ZenPackManager Zenoss server time: 19:38 | | | | |
|---|----------|-----------------------------------|---------|-----|
| Settings Commands Users ZenPacks Jobs Menus Portlets Daemons Versions Backups | | | | |
| Loaded ZenPacks | | | | |
| Select: All None | | | | |
| Pack | Package | Author | Version | Egg |
| <input type="checkbox"/> ZenPacks.Opengear.ConsoleServer | Opengear | Peter Hunt <support@opengear.com> | 1.0 | Yes |
| <input type="checkbox"/> ZenPacks.Opengear.MIBs | Opengear | Peter Hunt <support@opengear.com> | 1.0 | Yes |

```

[root@zenoss ~]# /etc/init.d/zenoss restart
Daemon: zeneventlog stopping...
Daemon: zenwin stopping...
Daemon: zenprocess stopping...
Daemon: zencommand stopping...
Daemon: zenperfsnmp stopping...
Daemon: zenmodeler stopping...
Daemon: zentrap stopping...
Daemon: zenactions stopping...
Daemon: zenstatus stopping...
Daemon: zensyslog stopping...
Daemon: zenping stopping...
Daemon: zenjobs stopping...
Daemon: zenhub stopping...
Daemon: zopectl .
daemon process stopped
Daemon: zeoctl .
daemon process stopped
Daemon: zeoctl .
daemon process started, pid=4038
Daemon: zopectl .
daemon process started, pid=4044
Daemon: zenhub starting...
Daemon: zenjobs starting...
  
```

- It is recommended that Zenoss be restarted at this point.

Adding an Opengear Device

The enhanced monitoring provided by the Opengear ZenPacks uses a combination of SNMP and SSH

communication. To add a new Opengear Device:

1. Navigate to **Management > Add Device**.

2. Fill in the **Device Name** with either the IP Address or DNS Name of the Opengear Device.
3. Select **/Server/Console/Opengear** from the **Device Class Path** menu.

4. Ensure the **SNMP Community** matches the Opengear configuration. By default Zenoss will use SNMP v2c to monitor devices add as **/Server/Console/Opengear**, this can be changed later.

| | | | |
|------------------|---|---------------|-------------------------------------|
| Snmp Community | <input type="text" value="public"/> | Snmp Port | <input type="text" value="161"/> |
| Tag Number | <input type="text"/> | Serial Number | <input type="text"/> |
| Production State | <input type="text" value="Production"/> | Priority | <input type="text" value="Normal"/> |

5. Feel free to fill in other details such as the **Location Path** and the **Systems** details, then click **Add Device**.

| | | |
|-----------------|--------------------------------|---|
| Groups | <input type="text" value="/"/> | |
| New DeviceGroup | <input type="text"/> | <input type="button" value="Add"/> |
| | | <input type="button" value="Add Device"/> |

6. The Opengear Plugins will attempt to model the new device. Some errors may occur due to SNMP or SSH configuration, once the modeling has finished you can correct these.

| Time | Level | Module | Message |
|---------------------|---------|------------------|---|
| 2010-07-12 14:43:41 | INFO | zen.Device | device name '192.168.13.2' for ip " |
| 2010-07-12 14:43:41 | INFO | zen.Device | setting performance monitor to localhost |
| 2010-07-12 14:43:42 | INFO | zen.Utils | Executing command: /home/zenoss/bin/Zendisc run --now -d 192.168.13.2 --monitor localhost --deviceclass /Server/Console/Opengear --weblog |
| 2010-07-12 14:43:55 | INFO | zen.ZenDisc | Connecting to localhost:8789 |
| 2010-07-12 14:43:55 | INFO | zen.ZenDisc | Connected to ZenHub |
| 2010-07-12 14:43:55 | INFO | zen.ZenDisc | Looking for 192.168.13.2 |
| 2010-07-12 14:44:00 | INFO | zen.ZenDisc | Result: Discovered device 192.168.13.2. |
| 2010-07-12 14:44:01 | INFO | zen.ZenDisc | No WMI plugins found for 192.168.13.2 |
| 2010-07-12 14:44:01 | INFO | zen.ZenDisc | No Python plugins found for 192.168.13.2 |
| 2010-07-12 14:44:01 | INFO | zen.ZenDisc | Using SSH collection method for device 192.168.13.2 |
| 2010-07-12 14:44:01 | INFO | zen.ZenDisc | plugins: SerialPorts, Emds, Rpcs, Upss |
| 2010-07-12 14:44:01 | INFO | zen.ZenDisc | SNMP collection device 192.168.13.2 |
| 2010-07-12 14:44:01 | INFO | zen.ZenDisc | plugins: zenoss.snmp.NewDeviceMap, zenoss.snmp.DeviceMap, zenoss.snmp.InterfaceMap, zenoss.snmp.RouteMap, zenoss.snmp.IpServiceMap, zenoss.snmp.HRFileSystemMap, zenoss.snmp.HRSWInstalledMap, zenoss.snmp.HRSWRunMap, zenoss.snmp.CpuMap |
| 2010-07-12 14:44:01 | INFO | zen.ZenDisc | No portscan plugins found for 192.168.13.2 |
| 2010-07-12 14:44:01 | INFO | zen.ZenDisc | Running 2 clients |
| 2010-07-12 14:44:02 | INFO | zen.SnmpClient | snmp client finished collection for 192.168.13.2 |
| 2010-07-12 14:44:02 | INFO | zen.ZenDisc | Processing zenoss.snmp.NewDeviceMap for device 192.168.13.2 |
| 2010-07-12 14:44:02 | INFO | zen.ZenDisc | processing zenoss.snmp.DeviceMap for device 192.168.13.2 |
| 2010-07-12 14:44:02 | INFO | zen.ZenDisc | Modeler zenoss.snmp.InterfaceMap processing data for device 192.168.13.2 |
| 2010-07-12 14:44:02 | INFO | zen.ZenDisc | processing zenoss.snmp.RouteMap for device 192.168.13.2 |
| 2010-07-12 14:44:02 | INFO | zen.ZenDisc | processing zenoss.snmp.IpServiceMap for device 192.168.13.2 |
| 2010-07-12 14:44:02 | INFO | zen.ZenDisc | Modeler zenoss.snmp.HRFileSystemMap processing data for device 192.168.13.2 |
| 2010-07-12 14:44:02 | INFO | zen.ZenDisc | processing zenoss.snmp.HRSWInstalledMap for device 192.168.13.2 |
| 2010-07-12 14:44:02 | INFO | zen.ZenDisc | Processing zenoss.snmp.HRSWRunMap for device 192.168.13.2 |
| 2010-07-12 14:44:02 | INFO | zen.ZenDisc | processing zenoss.snmp.CpuMap for device 192.168.13.2 |
| 2010-07-12 14:44:11 | INFO | zen.ZenDisc | Changes in configuration applied |
| 2010-07-12 14:44:18 | ERROR | zen.SshClient | SSH login to 192.168.13.2 with username root failed |
| 2010-07-12 14:44:18 | ERROR | zen.SshClient | SSH connection aborted after maximum login attempts. |
| 2010-07-12 14:44:28 | WARNING | zen.SshClient | SSH error from remote device (code 2): Too many authentication failures for root |
| 2010-07-12 14:47:01 | WARNING | zen.ZenDisc | Client 192.168.13.2 timeout |
| 2010-07-12 14:47:01 | INFO | zen.ZenDisc | Scan time: 180.95 seconds |
| 2010-07-12 14:47:01 | INFO | zen.ZenDisc | Daemon ZenDisc shutting down |
| 2010-07-12 14:47:02 | INFO | zen.DeviceLoader | Device 192.168.13.2 loaded! |

Navigate to device [192.168.13.2](#)

Configuring SNMP and SSH

If the Opengear device default configuration has been altered you will need to configure Zenoss to match.

1. Navigate to **Main Views > Device List** and click on the newly added Opengear Device name.

The screenshot shows the Zenoss console interface for device **img4216-25**. The breadcrumb path is **/Devices /Server /Console /Opengear /img4216-25**. The status is **Up**. The device information includes:

- Device: **img4216-25**
- IP: **192.168.13.2**
- Status: **Up**
- Availability: **100.000%**
- Uptime: **Unknown**
- State: **Production**
- Priority: **Normal**
- Locks: **None**
- Last Change: **2010/07/12 14:44:11**
- Last Collection: **2010/07/12 14:44:11**
- First Seen: **2010/07/12 14:43:41**

The component type table shows the following components:

| Component Type | Status |
|---------------------|--------|
| Other | |
| laLoadInt5 | |
| memAvailReal | |
| memAvailSwap | |
| memBuffer | |

The device information section includes:

- Organizers: Location **None**, Groups **None**, Systems **None**, Collector **localhost**
- OS: Tag #, Serial #, HW Make **Opengear Inc.**, HW Model **1.3.6.1.4.1.25049.1.60**, OS Make **Unknown**, OS Version **Linux 2.6.30.2-uc0**, Rack Slot

The screenshot shows the Zenoss console interface for device **img4216-25**. The breadcrumb path is **/Devices /Server /Console /Opengear /img4216-25**. The status is **Up**. The device information includes:

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- IP: **192.168.13.2**
- Status: **Up**
- Availability: **100.000%**
- Uptime: **Unknown**
- State: **Production**
- Priority: **Normal**
- Locks: **None**
- Last Change: **2010/07/12 14:44:11**
- Last Collection: **2010/07/12 14:44:11**
- First Seen: **2010/07/12 14:43:41**

The component type table shows the following components:

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| Other | |
| laLoadInt5 | |
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The device information section includes:

- Organizers: Location **None**, Groups **None**, Systems **None**, Collector **localhost**
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The device menu is open, showing the following options:

- More
- Manage
- Run Commands
- Custom
- zProperties**
- Templates
- Administration
- Collector Plugins
- Modifications
- Event History

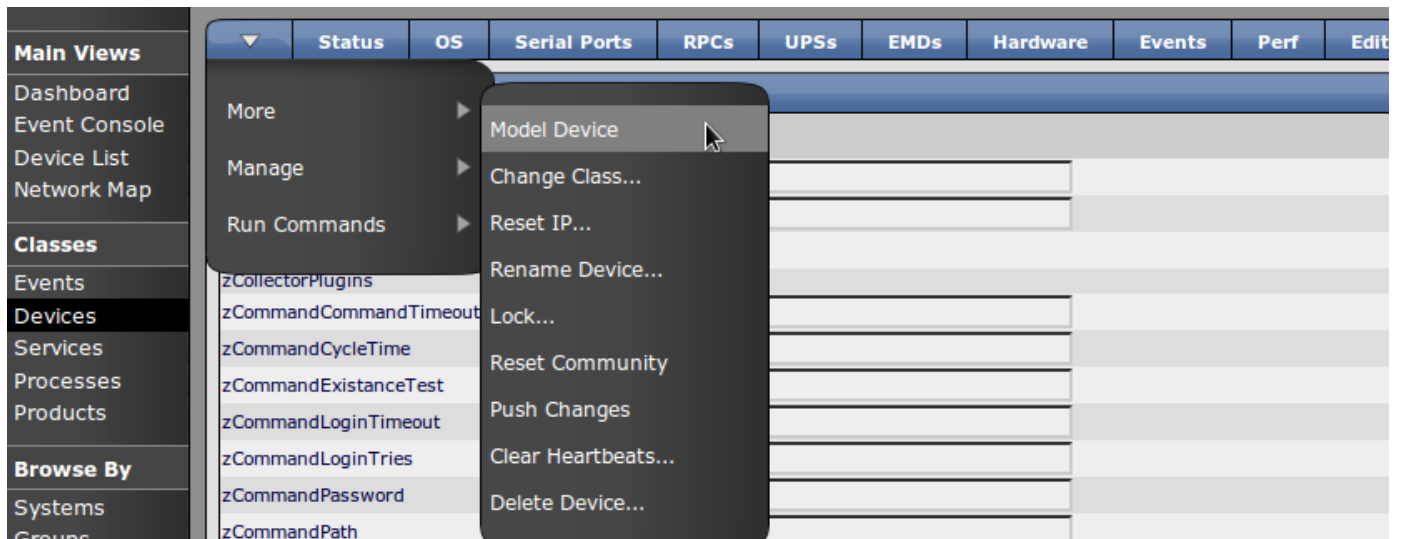
- Click on the device menu arrow the **More > zProperties**.
- Provide the password for the administration user user as **zCommandUsername** and **zCommandPassword**, **zCommandProtocol** should be **SSH**.

| zProperties Configuration | | | | |
|---------------------------|-------------------|----------|--------------------------|--|
| Property | Value | Type | Path | |
| zCollectorClientTimeout | 180 | int | / | |
| zCollectorDecoding | latin-1 | string | / | |
| zCollectorLogChanges | True | boolean | / | |
| zCollectorPlugins | Edit | lines | /Server/Console/Opengear | |
| zCommandCommandTimeout | 30.0 | float | /Server/Console/Opengear | |
| zCommandCycleTime | 60 | int | / | |
| zCommandExistenceTest | test -f %s | string | / | |
| zCommandLoginTimeout | 10.0 | float | / | |
| zCommandLoginTries | 1 | int | / | |
| zCommandPassword | ***** | password | /Server/Console/Opengear | |
| zCommandPath | \$ZENHOME/libexec | string | / | |
| zCommandPort | 22 | int | / | |
| zCommandProtocol | ssh | string | / | |
| zCommandSearchPath | | lines | / | |
| zCommandUsername | root | string | /Server/Console/Opengear | |

4. If you wish to use a different SNMP protocol version to monitor the Opengear make sure **zSnmpVer** is set to the desired version and other details such as **zSnmpCommunity** and **zSnmpAuthPassword** are set appropriately. Click **Save** when all the details are correct.

| | | | |
|------------------------|-------------------|----------|--------------------------|
| zSnmpAuthPassword | | password | / |
| zSnmpAuthType | | string | / |
| zSnmpCommunities | public private | lines | / |
| zSnmpCommunity | public | string | / |
| zSnmpMonitorIgnore | False | boolean | / |
| zSnmpPort | 161 | int | / |
| zSnmpPrivPassword | | password | / |
| zSnmpPrivType | | string | / |
| zSnmpSecurityName | | string | / |
| zSnmpTimeout | 2.5 | float | / |
| zSnmpTries | 2 | int | / |
| zSnmpVer | v2c | string | /Server/Console/Opengear |
| zSshConcurrentSessions | 10 | int | / |

5. After the SSH and SNMP details have been verified click on the menu arrow and select **Manage > Model Device**. The plugins will re-model the device and no errors should occur this time.



```

15:11:30
2010-07-12 15:11:30 INFO zen.ZenModeler No WMI plugins found for 192.168.13.2
2010-07-12 15:11:30 INFO zen.ZenModeler No Python plugins found for 192.168.13.2
2010-07-12 15:11:30 INFO zen.ZenModeler Using SSH collection method for device 192.168.13.2
2010-07-12 15:11:30 INFO zen.ZenModeler plugins: SerialPorts, Emds, Rpcs, Upss
2010-07-12 15:11:30 INFO zen.ZenModeler SNMP collection device 192.168.13.2
2010-07-12 15:11:30 INFO zen.ZenModeler plugins: zenoss.snmp.NewDeviceMap, zenoss.snmp.DeviceMap, zenoss.snmp.InterfaceMap, zenoss.snmp.RouteMap, zenoss.snmp.IpServiceMap, zenoss.snmp.HRFileSystemMap, zenoss.snmp.HRSWInstalledMap, zenoss.snmp.HRSWRunMap, zenoss.snmp.CpuMap
2010-07-12 15:11:30 INFO zen.ZenModeler No portscan plugins found for 192.168.13.2
2010-07-12 15:11:30 INFO zen.ZenModeler Running 2 clients
2010-07-12 15:11:31 INFO zen.SnmpClient snmp client finished collection for 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler Processing zenoss.snmp.NewDeviceMap for device 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler processing zenoss.snmp.DeviceMap for device 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler Modeler zenoss.snmp.InterfaceMap processing data for device 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler processing zenoss.snmp.RouteMap for device 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler processing zenoss.snmp.IpServiceMap for device 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler Modeler zenoss.snmp.HRFileSystemMap processing data for device 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler processing zenoss.snmp.HRSWInstalledMap for device 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler Processing zenoss.snmp.HRSWRunMap for device 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler processing zenoss.snmp.CpuMap for device 192.168.13.2
2010-07-12 15:11:31 INFO zen.ZenModeler Changes in configuration applied
2010-07-12 15:11:42 INFO zen.SshClient Connected to device 192.168.13.2
2010-07-12 15:11:44 INFO zen.CmdClient command client finished collection for 192.168.13.2
2010-07-12 15:11:44 INFO zen.ZenModeler processing Upss for device 192.168.13.2
2010-07-12 15:11:44 INFO zen.ZenModeler processing SerialPorts for device 192.168.13.2
2010-07-12 15:11:45 INFO zen.ZenModeler processing Emds for device 192.168.13.2
2010-07-12 15:11:45 ERROR zen.ZenModeler No EMD name provided
2010-07-12 15:11:45 ERROR zen.ZenModeler No EMD name provided
2010-07-12 15:11:45 INFO zen.ZenModeler processing Rpcs for device 192.168.13.2
2010-07-12 15:11:45 WARNING zen.ZenModeler No name found for RPC: 1, skipping
2010-07-12 15:11:45 WARNING zen.ZenModeler No name found for RPC: 1, skipping
2010-07-12 15:11:52 INFO zen.ZenModeler Changes in configuration applied
2010-07-12 15:11:55 INFO zen.ZenModeler Scan time: 25.06 seconds
2010-07-12 15:11:55 INFO zen.ZenModeler Daemon ZenModeler shutting down
2010-07-12 15:11:55 INFO zen.PerformanceConf configuration collected

```

Monitoring Serial Ports

Serial Port status is available by navigating to the new Opengear page via the **Device List** then clicking on the **Serial Ports** tab. From here you can see the current configuration of each serial port on the device as well as up to date signal states.

Zenoss Core Device/IP Search: admin Preferences Logout Help

/Devices /Server /Console /Opengear /img4216-25 Zenoss server time: 17:43

Main Views

- Dashboard
- Event Console
- Device List
- Network Map

Classes

- Events
- Devices
- Services
- Processes
- Products

Browse By

- Systems
- Groups
- Locations
- Networks
- Reports

Management

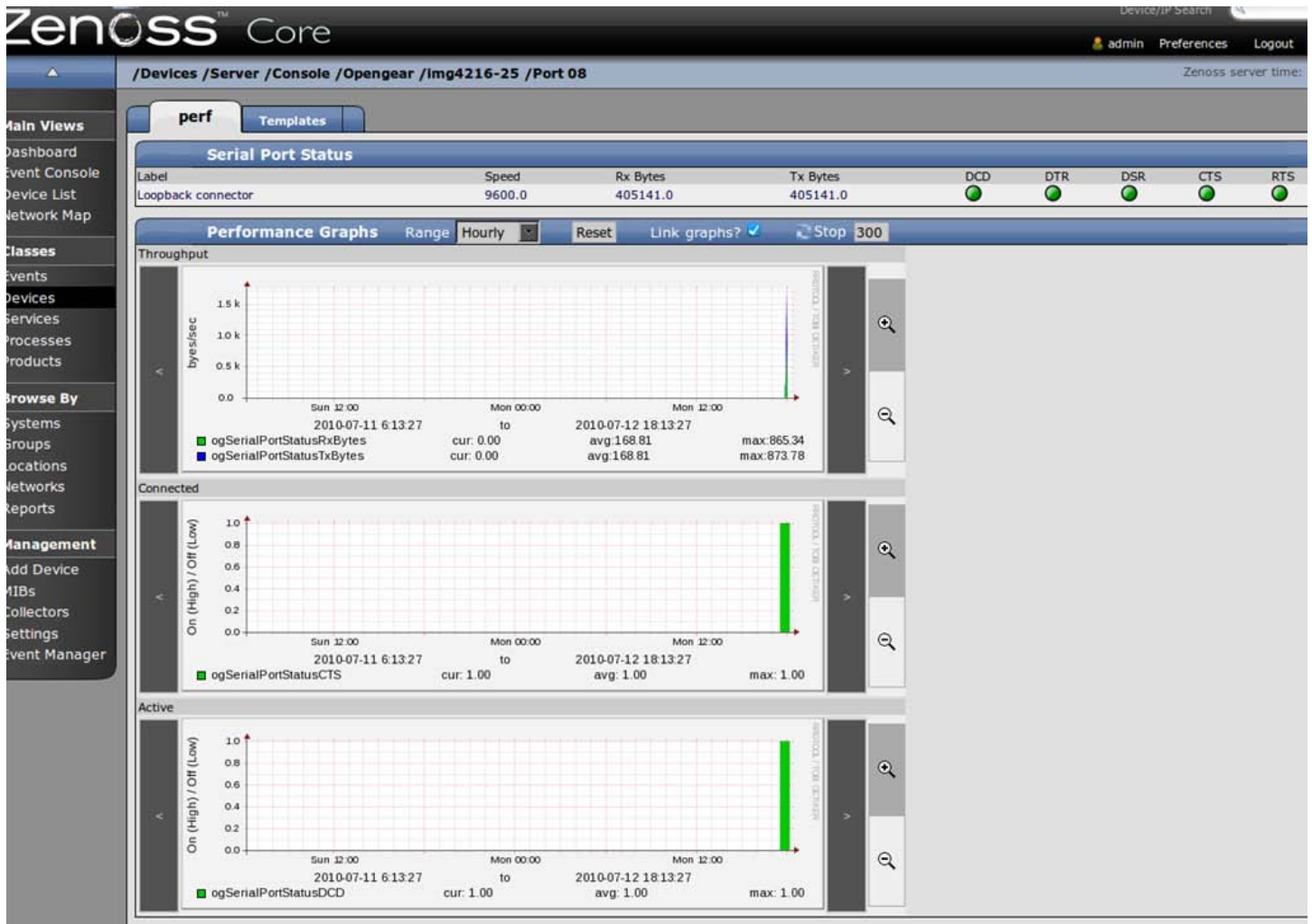
- Add Device
- MIBs

Serial Ports

| Port | Label | Mode | Log Level | Parameters | Flow Control | DCD | DTR | DSR | CTS | RTS |
|-------------------------|------------------------|-----------------------|-----------|--------------|--------------|-----|-----|-----|-----|-----|
| Port 01 | IP Power | Console | 0 | 19200-8-N-1 | None | | | | | |
| Port 02 | Cisco 2501 | Console (SSH) | 2 | 9600-8-N-1 | None | | | | | |
| Port 03 | Cisco 2900 | Console (SSH) | 2 | 9600-8-N-1 | None | | | | | |
| Port 04 | 8 Port Server Tech PDU | Console | 2 | 9600-8-N-1 | None | | | | | |
| Port 05 | TrippLite 450 UPS | Environmental | 0 | 9600-8-N-1 | None | | | | | |
| Port 06 | APC Smart -UPS 1400XL | Environmental | 0 | 9600-8-N-1 | None | | | | | |
| Port 07 | IM4248 Console | Console (SSH) | 2 | 115200-8-N-1 | None | | | | | |
| Port 08 | Loopback connector | Console (SSH, Telnet) | 1 | 9600-8-N-1 | None | | | | | |
| Port 09 | Port 9 | Environmental | 0 | 9600-8-N-1 | None | | | | | |
| Port 10 | Port 10 | Environmental | 0 | 9600-8-N-1 | None | | | | | |
| Port 11 | Port 11 | Console | 0 | 9600-8-N-1 | None | | | | | |
| Port 12 | Port 12 | Console | 0 | 9600-8-N-1 | None | | | | | |
| Port 13 | Port 13 | Console | 0 | 9600-8-N-1 | None | | | | | |
| Port 14 | Port 14 | Console (SSH, Telnet) | 0 | 115200-8-N-1 | None | | | | | |
| Port 15 | Demo Server Rack | Environmental | 0 | 9600-8-N-1 | None | | | | | |
| Port 16 | Demo Server Room | Environmental | 0 | 9600-8-N-1 | None | | | | | |

1 of 16 Port 01 Page Size

To view serial port performance history such as throughput and connection status click on the port name in the left most column.




Monitoring RPCs

To view the current state and configuration of RPCs navigate to Opengear device via the **Device List** and click on the **RPCs** tab.



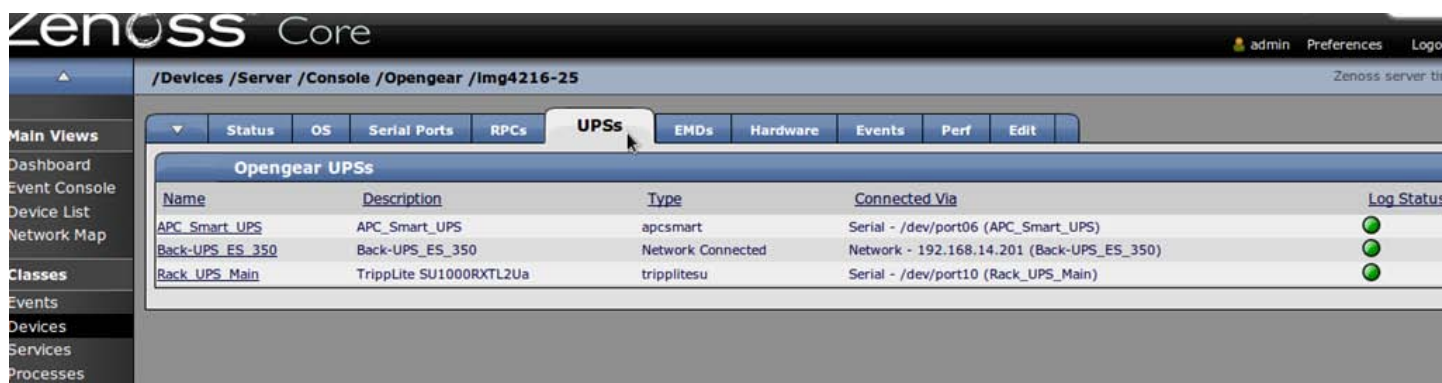
The screenshot shows the Zenoss Core interface with the path `/Devices /Server /Console /Opengear /img4216-25`. The **RPCs** tab is selected, displaying a table of Opengear RPCs.

| Name | Description | Type | Connected Via | Log Status |
|---|---------------------------|---------|---|---|
| APC Switched Rack PDU | APC Switched Rack PDU | Unknown | Network - 192.168.14.12 (APC Switched Rack PDU) |  |
| IBM-XSeries-BMC | IBM-XSeries-BMC | Unknown | Network - 192.168.14.8 (IBM-XSeries-BMC) |  |
| SNMP 8-Port_ServerTechPDU | SNMP 8-Port_ServerTechPDU | Unknown | Network - 192.168.14.10 (SNMP 8-Port_ServerTechPDU) |  |




RPC alert information can be accessed by clicking on the RPC **Name**.

Monitoring UPSs

UPS details are available by clicking on the tab labeled **UPSs**.



The screenshot shows the Zenoss Core interface with the path `/Devices /Server /Console /Opengear /img4216-25`. The **UPSs** tab is selected, displaying a table of Opengear UPSs.

| Name | Description | Type | Connected Via | Log Status |
|---------------------------------|-------------------------|-------------------|--|---|
| APC_Smart_UPS | APC_Smart_UPS | apcsmart | Serial - /dev/port06 (APC_Smart_UPS) |  |
| Back-UPS_ES_350 | Back-UPS_ES_350 | Network Connected | Network - 192.168.14.201 (Back-UPS_ES_350) |  |
| Rack_UPS_Main | TrippLite SU1000RXTL2Ua | tripplitesu | Serial - /dev/port10 (Rack_UPS_Main) |  |

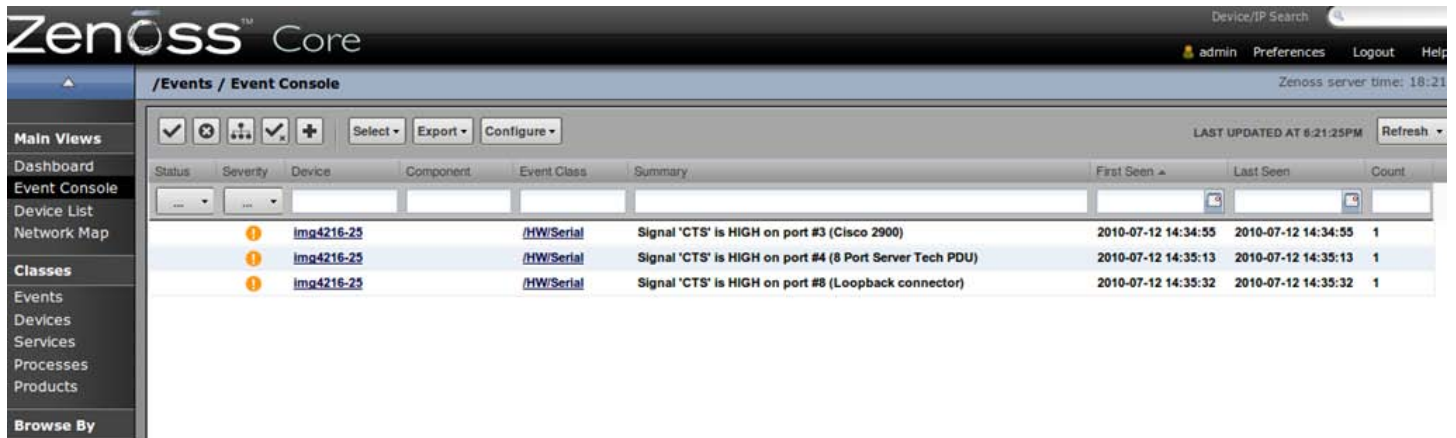
UPS performance history for **Temperature**, **Battery Charge**, **Input**, **Output** and **Load** can be viewed by clicking on the UPS **Name**.

Monitoring EMDs

To view the current configuration state of EMDs (Environmental Monitoring Devices) navigate to the Opengear device via the **Device List** and click on the **EMDs** tab.

Monitoring Opengear Events

The Opengear ZenPacks provide some interpretation of SNMP Notifications / Traps. First the Opengear device must be configured to forward SNMP Alerts to the Zenoss collector. If the Opengear is configured to generate SNMP events for such things as serial port signal changes, user connections / disconnections, or environmental events they will be interpreted and transformed into Zenoss events which can be viewed at **Main Views > Event Console**.



The screenshot shows the Zenoss Core Event Console interface. The top navigation bar includes the Zenoss logo, user information (admin), and links for Preferences, Logout, and Help. The main content area is titled "/Events / Event Console" and displays a table of events. The table has columns for Status, Severity, Device, Component, Event Class, Summary, First Seen, Last Seen, and Count. Three events are listed, all with a severity of 'Warning' and a count of 1.

| Status | Severity | Device | Component | Event Class | Summary | First Seen | Last Seen | Count |
|---------|----------|------------|------------|--|---------------------|---------------------|-----------|-------|
| Warning | Warning | img4216-25 | /HW/Serial | Signal 'CTS' is HIGH on port #3 (Cisco 2900) | 2010-07-12 14:34:55 | 2010-07-12 14:34:55 | 1 | |
| Warning | Warning | img4216-25 | /HW/Serial | Signal 'CTS' is HIGH on port #4 (8 Port Server Tech PDU) | 2010-07-12 14:35:13 | 2010-07-12 14:35:13 | 1 | |
| Warning | Warning | img4216-25 | /HW/Serial | Signal 'CTS' is HIGH on port #8 (Loopback connector) | 2010-07-12 14:35:32 | 2010-07-12 14:35:32 | 1 | |