

## Power IQ® Version 5.1.1

These release notes contain important information regarding the release of this product, so please read them carefully. We strongly recommend you read the entire document.

### Applicability:

This firmware release is applicable for both the Power IQ virtual appliance and the hardware appliance and we recommend all customers upgrade to this release due to security updates included.

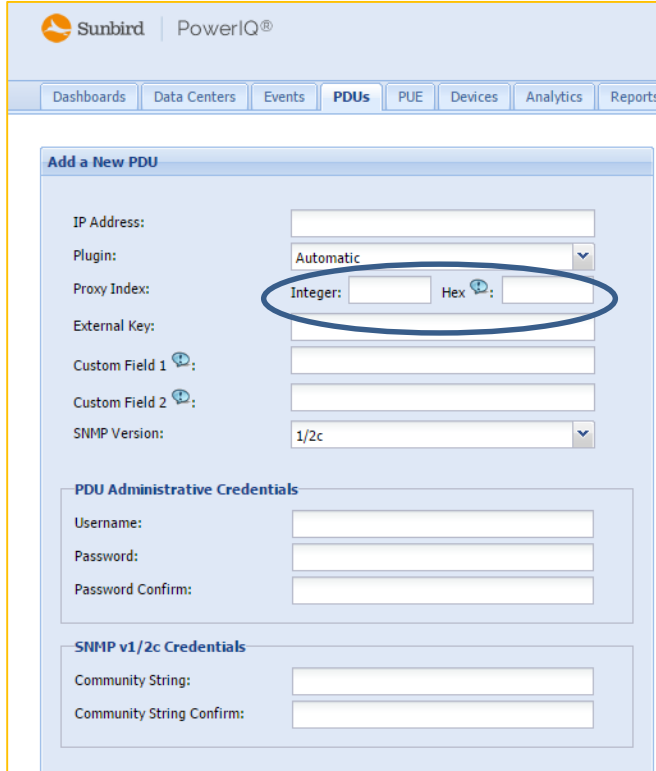
### Release Status:

Power IQ Release 5.1.1 is a General Availability (GA) release.

It includes the following enhancements over 5.1

- Native support for Chatsworth eConnect PDUs
- Enhanced Tag/Tag Group Permissions
- Dynamic Plug-in Improvements

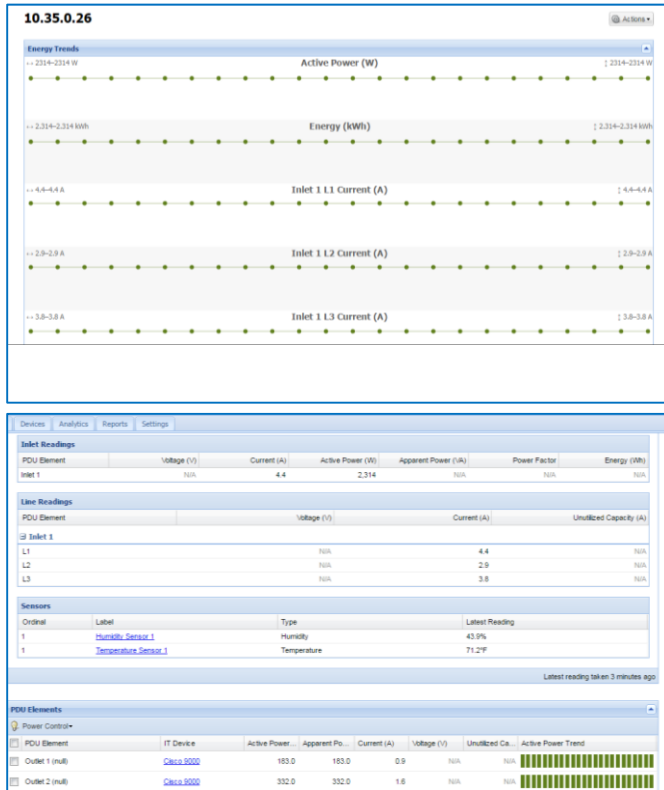
### Native Support for Chatsworth eConnect PDUs



The screenshot shows the Sunbird PowerIQ web interface. The top navigation bar includes 'Dashboards', 'Data Centers', 'Events', 'PDUs', 'PUE', 'Devices', 'Analytics', and 'Reports'. The main content area is titled 'Add a New PDU' and contains several input fields: 'IP Address', 'Plugin' (set to 'Automatic'), 'Proxy Index' (with 'Integer' and 'Hex' sub-inputs circled in blue), 'External Key', 'Custom Field 1', 'Custom Field 2', and 'SNMP Version' (set to '1/2c'). Below these are sections for 'PDU Administrative Credentials' (Username, Password, Password Confirm) and 'SNMP v1/2c Credentials' (Community String, Community String Confirm).

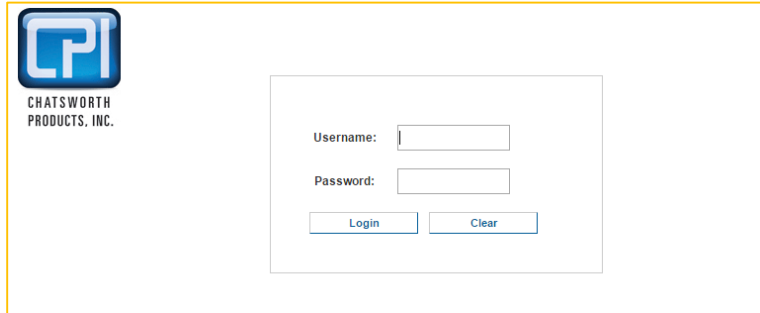
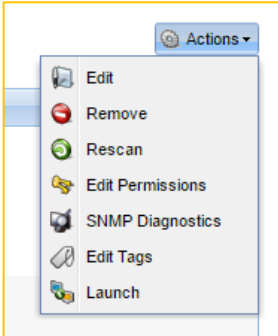
Release 5.1.1 now has a built in plug-in for Chatsworth e-Connect PDUs. When adding a PDU via the GUI, this release now supports entering the Proxy Index as an integer or in Hex. When a user enters in Hex, it will convert to Integer and vice versa.

The standard plug-in will allow for Power Monitoring, Environmental Monitoring and Power Control.



Once the Chatsworth PDU is discovered via SNMP, a smart page will be created. The smart page will show Min/Max/Avg values for Power, Energy, Inlet Currents, as well as Humidity and Temperature values. If the PDU has outlets, these will also be available to view the monitored data and to perform power control & naming of the outlets.

From the Actions menu on the PDU smart page, the user will be able to launch the web browser of the Chatsworth PDU



After clicking launch, the user will be brought to the login page of the PDU itself.

## Enhanced Tag and Tag Group Permissions

**User Information for jkwz**

Edit Change Password Manage Event Notifications

**Login:** jkwz  
**First Name:** Jeanne  
**Last Name:** Ziobro  
**Email:** jeanne.ziobro@sunbirdcim.com  
**Created:** 04/08/16 03:58:44 PM UTC  
**Last Updated:** 04/08/16 03:58:44 PM UTC  
**Description:**

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**User Roles**

Select a role to add... Add Remove Empty

Name	Label	Source
<input type="checkbox"/> View Tag Groups	View tags and tag groups.	Group: <a href="#">All Users</a>
<input type="checkbox"/> View	View all PDUs, devices, etc. Read-only.	Group: <a href="#">All Users</a>

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**User Groups**

Select a group to add... Add Remove Empty

Name
<input type="checkbox"/> <a href="#">All Users</a>

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**Group Information for All Users**

Edit

**Name:** All Users  
**Created By:** System Administrator  
**System Group:** Yes  
**Edit Members:** No

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**Group Roles**

Please select a role to add... Add Remove Empty

Name	Label
<input checked="" type="checkbox"/> View Tag Groups	View tags and tag groups.
<input type="checkbox"/> View	View all PDUs, devices, etc. Read-only.

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**Group Members**

Please select a user to add... Add Remove Empty

Login	Name	Email
<input type="checkbox"/> admin	System Administrator	admin@localhost
<input type="checkbox"/> jkwz	Jeanne Ziobro	jeanne.ziobro@sunbirdcim.com

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In release 5.1.1 permission enhancements were made to the Tag Groups. In order to accomplish this, a new User role has been added – View Tag Groups.

By default, all users will have the role assigned to them. Customers wishing to prevent a user from this role must remove the role from their settings.

In order to do this the Site Administrator must click on the User Group – All users, go to Group Roles and select View Tag Groups and then click remove.



An additional role – Manage Tag Groups has been added. By default users will not have this role. If a Site Administrator wishes to allow a particular user to now be able to manage and view the Tag groups they will simply assign this role to the user. Previously, only certain roles had the ability to create and manage tag groups.

## Dynamic Plug-in Improvements

**Support sparsely populated circuit tables in structured plugin (Eaton RPP)**

**Ability to capture SNMP trap data for unmanaged PDUs**

**Add an Apply button to Edit Dynamic Plugin screen**

**Add ability for partial name or wildcards in Dynamic plugin Model Name Filter**

**Power IQ 5.1.1 related training videos can be found here:**

<http://support.sunbirdcim.com/solution/folders/6000185220>

**Power IQ 5.1 contains the following software updates based on customer reported items:**

PIQ-7126 BCM1 not reading since upgrade to Power IQ 5.1

PIQ-7117 Server Tech PDU not recognized after Power IQ upgrade 5.1.0.-112

PIQ-7113 Power IQ diagnostics report - issues with printing to PDF

PIQ-7078 OpenVAS scan - NVT: Missing Secure Attribute SSL Cookie Information Disclosure Vulnerability

PIQ-7049 SMTP Email Event shows invalid external temperature degree symbol "❖"

PIQ-7011 REST can't create/delete tag entries with node-level owner permissions

PIQ-7004 User with global operator role not able to migrate custom fields to tags

PIQ-6966 Missing inlet readings for PX2 inline meter due to PX2 model name format change.

PIQ-6926 Events have earlier "cleared at" than "created at" date (from PIQ-6771)

PIQ-6924 Don't allow ATS to be added via dynamic plugin (causes: Internal error when trying to view smart page for APC ATS model AP7721 managed via the dynamic plugin)

PIQ-6879 User Admin set a filter in Events and now has whitespace and no events

PIQ-6843 The poll scheduled by the PX1 config update task after the update finishes fails with SNMP timeout.

PIQ-6831 Apparent power computation listener not rolling up outlet line power readings to outlet for Rack Transfer Switches

### Very Important Notes:

- Power IQ release 4.0.x systems with LDAP configured must have a valid email address for each user account prior to upgrading.
- Requirements as of Power IQ release 4.2.x

Number of PDUS	RAM (GB)	CPU (Cores)	Datastore (GB)	OS	VMWare
Up to 50	4	4	160 or more	CentOS 64 bit	ESX/ESXi
51 to 100	8	4	160 or more	CentOS 64 bit	ESX/ESXi
101 to 500	8	6	160 or more	CentOS 64 bit	ESX/ESXi
501 to 1000	8	8	160 or more	CentOS 64 bit	ESX/ESXi
1001 to 1500	16	8	160 or more	CentOS 64 bit	ESX/ESXi
More than 1500	24	8	160 or more	CentOS 64 bit	ESX/ESXi

### **Power IQ Customers with Release 4.0 or Later:**

The upgrade is free for customers with a valid software maintenance agreement. Download the Power IQ 5.1.1 software upgrade file named power-iq-5.1.1.x.bin to upgrade <http://support.sunbirdcim.com/> . Contact [tech@sunbirdcim.com](mailto:tech@sunbirdcim.com) if you have any questions. Contact your reseller or [sales@sunbirdcim.com](mailto:sales@sunbirdcim.com) to buy a contract if yours has expired.

### **Power IQ Customers with a Release Prior to 4.0**

The upgrade will require a new install due to the upgrade of the OS. Your current Configuration and Data can be backed up and restored to the new 5.1.1 system. The upgrade is free for customers with a valid software maintenance agreement. Download the Power IQ 5.1.1 software upgrade file named power-iq-5.1.1.x.iso for a fresh install <http://support.sunbirdcim.com/> Contact [tech@sunbirdcim.com](mailto:tech@sunbirdcim.com) if you have any questions. Contact your reseller or [sales@sunbirdcim.com](mailto:sales@sunbirdcim.com) to buy a contract if yours has expired

### **Browser Compatibility:**

- Chrome up to V49
- Mozilla Firefox up to v45
- Internet Explorer v9, v10 and v11
- Safari v9.0.3

### **CC-SG Compatibility:**

- Release up to and including v6.1 - Vendor Agnostic Power Control with Configuration Sync

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