Helm

Data visualization with OpenNMS Helm

Helm is an application for creating flexible dashboards to display and customize fault management and performance management data from OpenNMS Horizon and Meridian. Working with the Grafana analytics application, Helm allows you to view the data you want to see — alarms, outages, key performance indicators — in a way that best meets the needs of your workflow and staff.
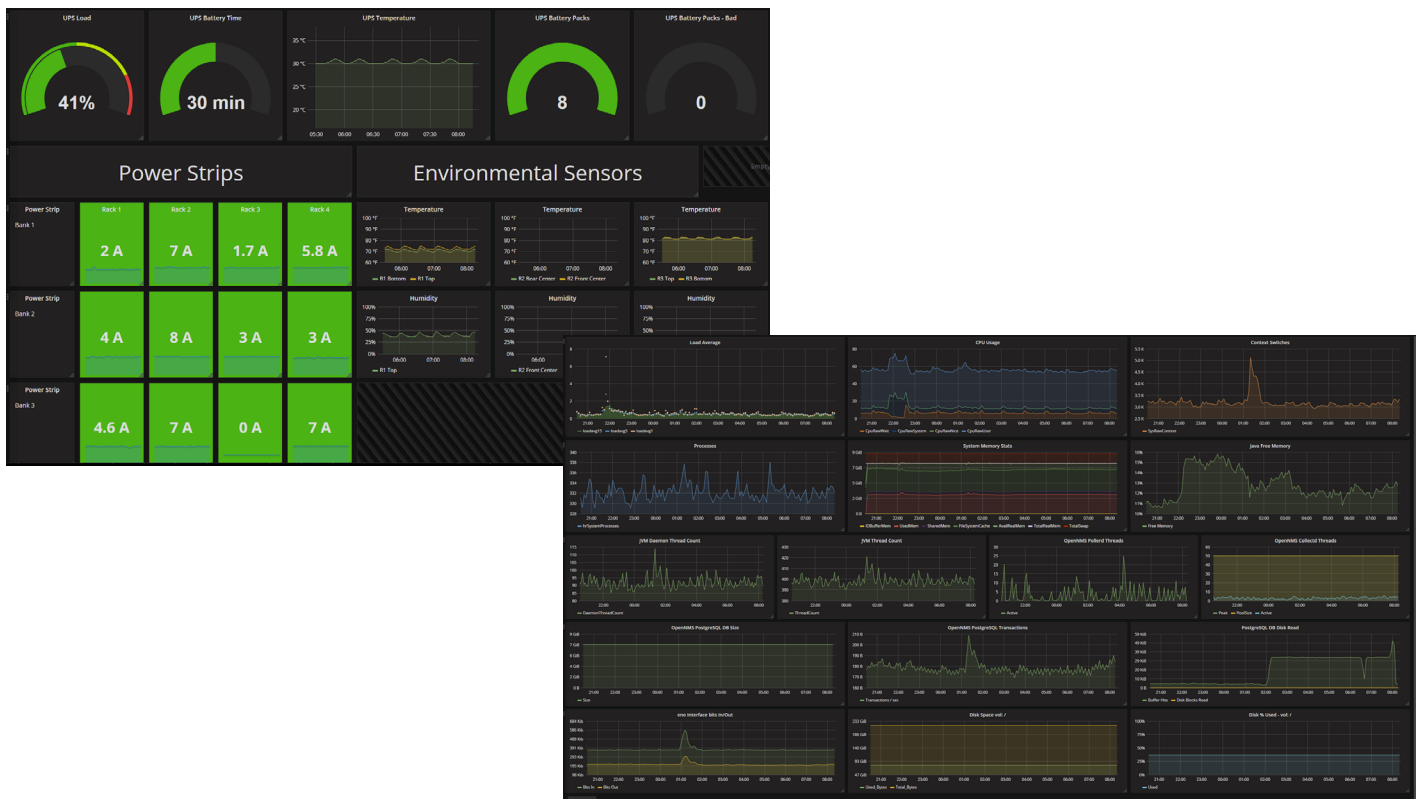
Simply specify your datasource and the URL to your OpenNMS instance, and start creating dashboards to view and interact with your data in one place. Aggregate data from multiple OpenNMS instances for better monitoring of distributed deployments.

Features

Flexible alarm filtering

Isolate the alarms to display using custom filters and conditions that can match against over 150 different fields.

Configurable displays

Present the fields that are most relevant to you and your teams for improved tracking and triage.

Template support

Populate template variables with all of the nodes belonging to a set of categories, or leverage the complete filter grammar.

Downloadable Customized Dashboards

In addition to built-in default dashboards, there are a large number of official and community-developed Helm dashboards available, for event maintenance, Cassandra performance, Minion statistics, and more.

NEW! Dashboard Customization

Grafana dashboards built using OpenNMS Helm can incorporate filtering by monitoring location, offer swapping of ingress and egress flow metrics, and take advantage of wildcard support to display data more dynamically than before.

Storage engine agnostic

Retrieve metrics stored in any of the available persistence engines (e.g., rrdtool, JRobin and OpenNMS Newts).

Alarm interactions

Acknowledge, escalate and create tickets for alarms directly from the dashboard.

Aggregate Data from Multiple OpenNMS Instances

Build a central dashboard from distributed deployments.

Trending and Forecasting

Remove outliers and perform trending or forecasting using the built-in series filters. Develop your own filters using Java or R. Derive new series using JEXL expressions.

Technical Requirements

Performance Management Datasource	Current OpenNMS Horizon Current OpenNMS Meridian
Fault Management Datasource	Current OpenNMS Horizon Current OpenNMS Meridian
Grafana	Version 7.5 or later (tested to version 7.2 at time of Helm 6.0 release)