ubersmith

Device Management

Devices within Ubersmith are configured to track the make, model, location, label and other vital details concerning your valuable network infrastructure.

These details are provided along with a set of tools for facilitating and organizing device monitoring, IP assignments and other system information. Devices can be associated with clients, services, tickets and other operative elements within the Ubersmith framework.

Advanced monitoring and device management is achieved by configuring device modules. Most servers, switches, PDUs and other physical devices are typically tracked within Ubersmith and configured with these modules. Virtuozzo and Xenserver hosts and virtual machines may also configured and managed through the Ubersmith Device Manager, as might network or power uplinks in a colocation scenario.

Bandwidth Monitoring

Use this module on servers, uplinks, or any device associated with a switch port to display bandwidth data on that device's details page. This module will also allow you to administratively enable or disable the associated switch port(s) if the parent switch is configured to allow administrative control. Combine with Ubersmith's bandwidth billing service module to automate 95/5 and total transfer billing.

Command Monitor

The Command Monitor device module will allow you run OS-level commands or scripts and examine the output. You can perform a regular expression check on the output, as well as verify that the expected output is within a certain range.

Environmental Monitoring

Use this module on any environmental monitoring unit, including some PDUs, to display temperature and humidity data for the device. This module will also calculate an average across all environmental devices at a given facility and display the values on the Device Manager dashboard.

Power Panel

Currently, Ubersmith supports interfacing with Automated Logic's WebCTRL power panel management software. Combine with Ubersmith's built-in tools for billing power on scheduled seasonal or hourly rates.

Power Circuit

Individual Power Circuits reported by the WebCTRL software can be monitoring using the Power Circuit device module.

Rebooter Information

Use this module on any managed PDU. It will display a graph of power draw, a port listing with status for the outlets on the PDU, as well as devices associated with outlets on the unit.

Rebooter Control

Use this module on servers, switches, routers, or any device tied to a managed reboot port. The device can be turned on, off, or rebooted using the links displayed by the module. Admin and client-side configurations available.

R1Soft CDP 3.0 Agent and Enterprise Server

The R1Soft Agent device module returns information about a specific R1Soft agent. The R1Soft Enterprise Server device module communicates with an R1Soft host to retrieve information about agents configured on the host. Use the R1Soft integration to automate usage-based backup billing, including 95th percentile billing.

SNMP Monitor

Use this module on any SNMP enabled device to monitor arbitrary SNMP OIDs. (This module appears in the listing when adding a new monitor.) A regular expression can be performed on the values returned by the OIDs specified in the 'Config' tab of the device module.

Server Metrics

Use this module on servers and other devices that support net-snmp or Windows SNMP service. It will display a chart and graphs displaying CPU, Load, Memory, Disk, and I/O usage (if supported).

Switch Information

Use this module on switches, routers, or other devices that measure network utilization. It will display a port listing with status for each port on the device, as well as devices associated with ports on the unit.

Syslog NG

If you have a PHPSyslogNG server, this module can connect to its database and display a customizable list of the last few log entries for the device.

Virtual IP Monitoring and Virtual Machine

Use these modules to support Xenserver, Virtuozzo and SolusVM VHosts and VMs. Manage your cloud through Ubersmith, bill for bandwidth and reboot VMs, providing access alongside your dedicated machines.

Ubersmith also supports

a number of other advanced service-level monitoring tools, including SNMP OID, Varnish, Apache, Memcached, MySQL, NAS File system, Nginx, Lighttpd and OS Command.

Ubersmith polls network infrastructure via SNMP. Please **click here** for a list of supported hardware.