<u>Observium</u>

All in one network graphing and monitoring



Network Startup Resource Center



NIVERSITY OF OREGON

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Observium

- SNMP-based auto-discover network monitoring tool
- Written in PHP as a web application
- Includes support for a wide range of hardware:
 - Cisco, Linux, FreeBSD, Juniper, Brocade, Foundry, HP and many more
 - See http://www.observium.org/wiki/Supported_Devices



Available metrics

- CPU, memory and storage statistics
- Interface traffic, packet and detailed error statistics
- Temperature, fan speed, voltage, amperage, power humidity and frequency sensors
- Users, processes, load average and uptime statistics



Available metrics cont.

- Linux distribution detection
- Real-time interface traffic graphing
- Device inventory collection (useful!)
- Detailed IPv4, IPv6, TCP and UDP stack statistics
- BGP And OSPF information
- Mac and IP address information

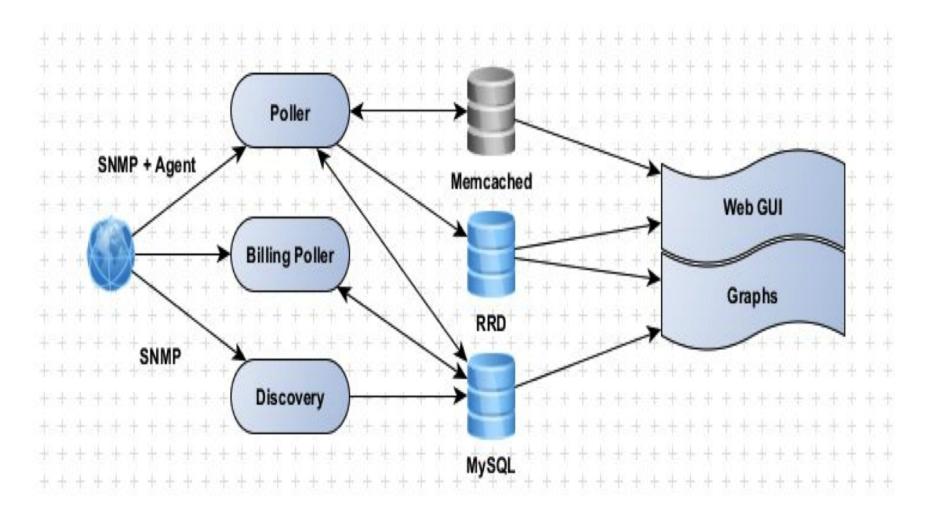


Features

- Concept of enabled vs. ignored
- Many already supported devices
- Host monitoring well supported using check_mk and support scripts
- Application monitoring using SNMP
- Billing module
- Integration with other tools:
 - Smokeping, collectd, syslog (receive logs from devices)



Architecture





Availability

Observium

Open Source (free) vs. "Professional" (paid) versions

- http://www.observium.org/
- http://www.observium.org/wiki/Edition_Split

Librenms

- Fork of Observium. Open Source, Free and GPL
- https://github.com/librenms/librenms
- https://github.com/librenms/librenms/blob/master/doc/Observ ium_Welcome.md



Screen shots

These are from the Observium Open Source version. This is the version we will use in class and in our labs.



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Online Observium demo

Is available at:

http://demo.observium.org/



Questions





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