Observium

- Autodiscovering SNMP based network monitoring tool
- Written in PHP (web application)
- Includes support for a wide range of network hardware and operating systems including:
  - 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

- Linux distribution detection.
- Real-time interface traffic graphing.
- Device inventory collection (very useful!)
- Detailed IPv4, IPv6, TCP and UDP stack statistics.
- BGP and OSPF statistics.
- MAC / IP
- 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 integration, collectd as well
  - Syslog integration (receive logs from devices)
Architecture
Availability

• Open source
• http://www.observium.org/wiki/Main_Page
**alpha.memetic.org**
Ovh, Paris, France

### Overview

**Linux**
alpha.memetic.org 2.6.32-22-server #36-Ubuntu SMP Thu Jun 3 20:38:33 UTC 2010 x86_64

**Hardware**
Generic x86 64-bit

**Operating System**
Linux 2.6.32-22-server (Ubuntu 10.04)

**Contact**
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**Location**
Ovh, Paris, France

**Uptime**
23 days, 10h 6m 52s

### Graphs

#### CPU

**Processors**
- Intel Core i7 920 @ 2.67GHz: 31%
- Intel Core i7 920 @ 2.67GHz: 39%
- Intel Core i7 920 @ 2.67GHz: 36%
- Intel Core i7 920 @ 2.67GHz: 11%
- Intel Core i7 920 @ 2.67GHz: 26%
- Intel Core i7 920 @ 2.67GHz: 25%
- Intel Core i7 920 @ 2.67GHz: 16%
- Intel Core i7 920 @ 2.67GHz: 21%

#### Memory Pools

- **Physical memory**: 7.69GB / 7.81GB (98.45%)
- **Virtual memory**: 8.33GB / 39.05GB (21.32%)
- **Swap space**: 660.35MB / 31.24GB (2.06%)

### Services

- **lo, eth0, eth1, virbr1, virbr0, cisco0, vnet0, vnet4, vnet1, vnet2, vnet3**

### Storage

- **/**: 35.71GB / 38.75GB (92%)
- **/home**: 30.95GB / 38.45GB (81%)
- **/mnt**: 1.55TB / 1.69TB (92%)

### Recent Events

- 29/3/10 13:55:01: riscan dname: vnet5 -> riscan
Questions?