

Munin

Network Startup Resource Center
www.nsrc.org

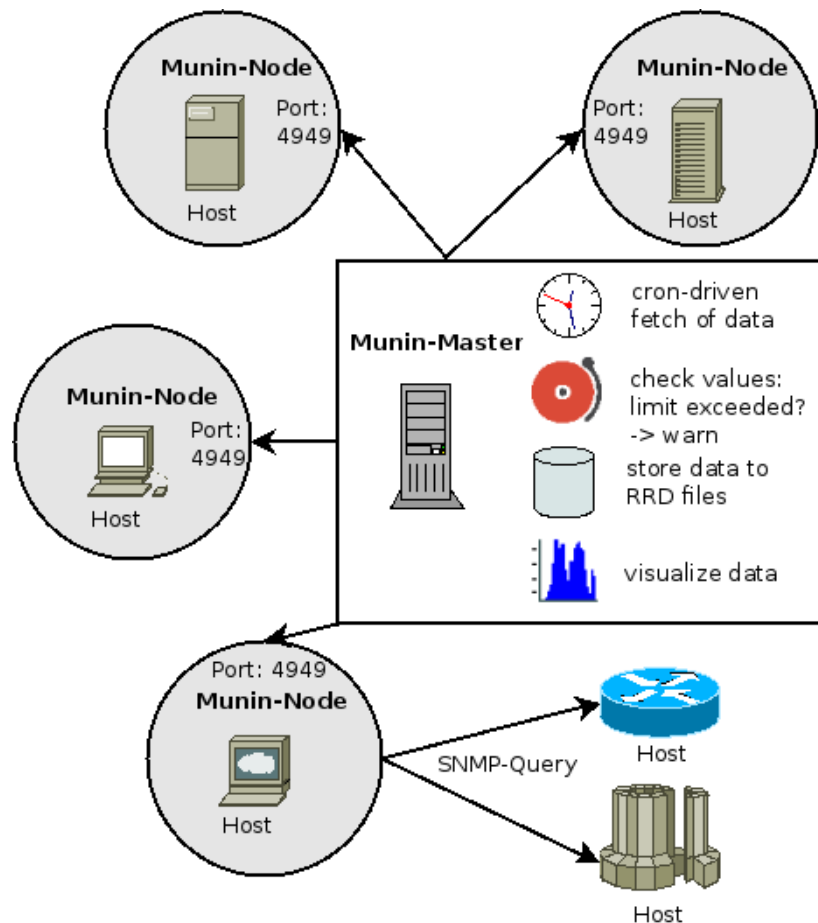


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Munin

- Munin is an easy to deploy statistics collector for servers and services
- Munin consists of a **munin-master**, which collects data from **munin-node**, which is running on all the servers one wishes to monitor
- **munin-node** is installed and started on every node to monitor, and listens on a TCP port, waiting for the **munin-master** to contact it.

Munin architecture



Munin plugins (1)

- Munin has a well defined API, and many plugins have been developed to extend the basic functionality of munin
- Example plugins:
 - bind (DNS server)
 - samba (File server)
 - mysql (Database)
 - apache (Web server)
 - zimbra (Mail server)
- See more at <http://gallery.munin-monitoring.org/>

Munin plugins (2)

- Munin includes a command:

```
munin-node-configure
```

... which can be used to determine which plugins will be useful on the current node

- For example:

```
munin-node-configure --suggest
```

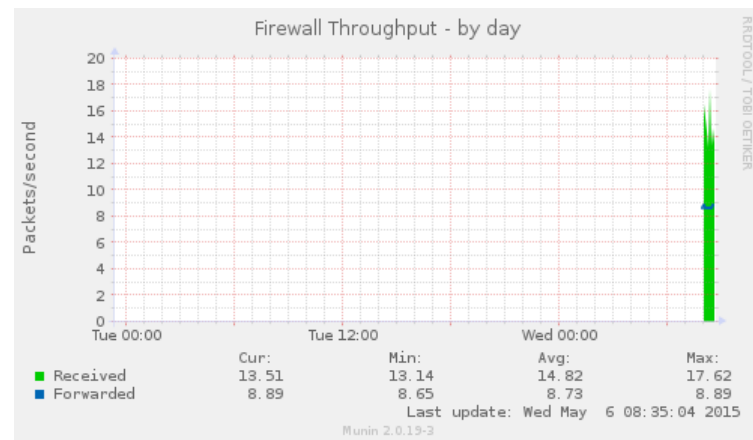
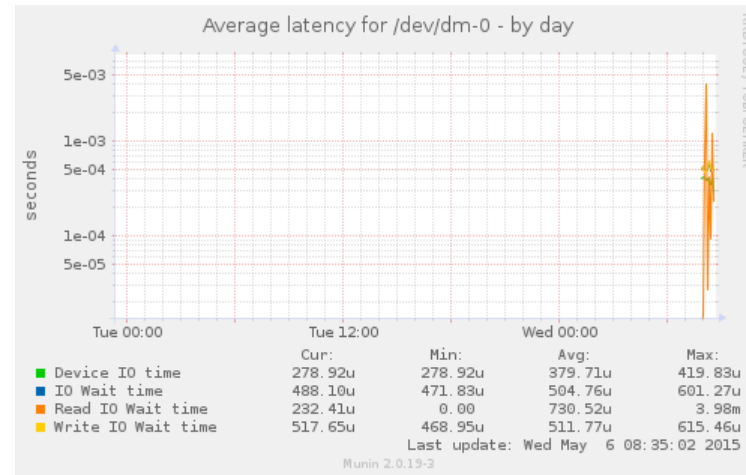
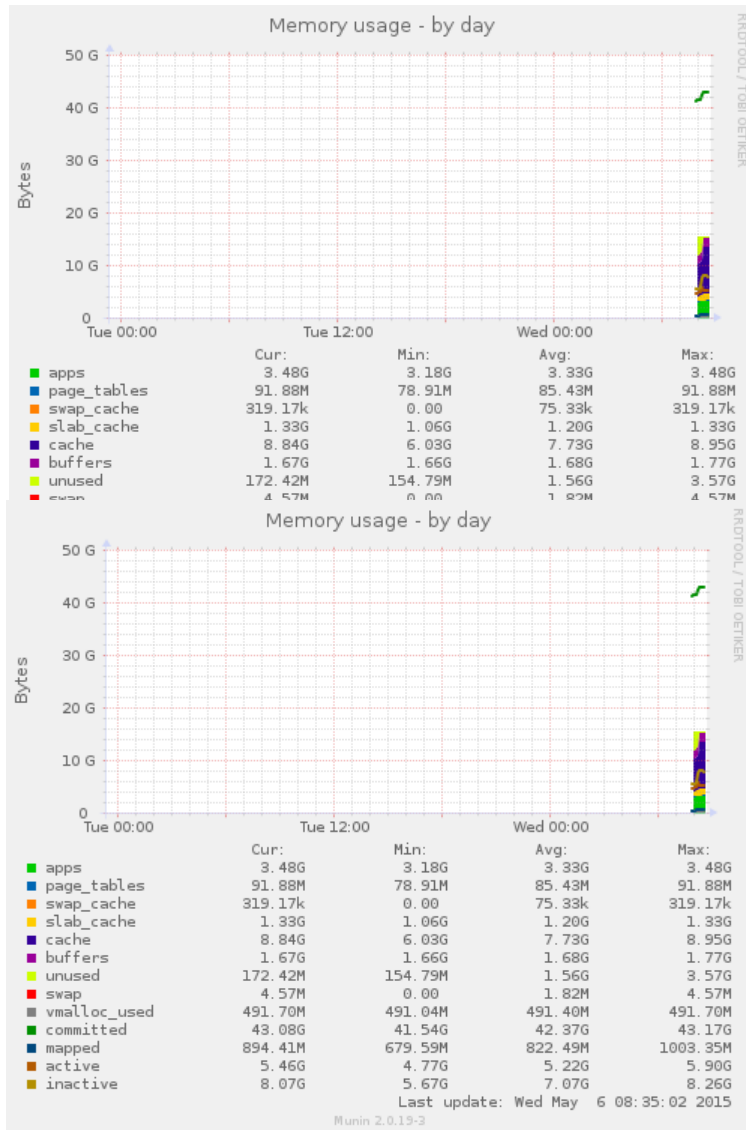
- See more at

<http://munin-monitoring.org/wiki/munin-node-configure>

Munin alerting

- Munin is capable of controlling predefined limits on various graphs (values), and can alert the operator about these problems
- Munin can use email, or Munin can be made to “talk” to other monitoring systems
 - Munin can “talk” to Nagios to issue an alert
- See more at
 - <http://munin-monitoring.org/wiki/HowToContact>
 - <http://munin-monitoring.org/wiki/HowToContactNagios>

Sample graphs



Installation

- We'll do this in the lab
- Installation is simple:

```
apt-get install munin (on the master)
```

```
apt-get install munin-node (on each server)
```

- We'll do this now!

Questions?