



La première des choses à faire

1. copie du template
2. changement d'adresse ip : 10.31.96.30
3. nom du template:Munin

Installation de Munin :

sur le serveur

```
apt-get install munin munin-node munin-plugins-extra
```

sur le client

```
apt-get install munin-node munin-plugins-extra
```

Cependant, pour la configuration du serveur Munin, cela se fait dans le fichier

```
/etc/munin/munin.conf
```

. Dans ce fichier, il faut décommenter les lignes et les adapter en fonction de notre réseau :

Section globale

```
dbdir /var/lib/munin
htmldir /var/cache/munin/www
logdir /var/log/munin
rundir /var/run/munin
```

Les nœuds

```
[munin.m2l.org]
    address 127.0.0.1
    use_node_name yes

[srv6.m2l.org]
    address 10.31.96.1
    use_node_name yes

[ns.m2l.org]
    address 10.31.96.53
    use_node_name yes

[ns3.m2l.org]
    address 10.31.96.63
    use_node_name yes

[web.m2l.org]
```

```

address 10.31.96.80
use_node_name yes

[backup.m2l.org]
address 10.31.96.99
use_node_name yes

[ftp.m2l.org]
address 10.31.96.21
use_node_name yes

```

Lancement de munin

```

root@munin:~# cat /etc/cron.d/munin
#
# cron-jobs for munin
#
MAILTO=root
*/1 * * * *   munin if [ -x /usr/bin/munin-cron ]; then /usr/bin/munin-cron; fi
14 10 * * *   munin if [ -x /usr/share/munin/munin-limits ]; then /usr/share/munin/munin-limits --force --contact nagios --contact old-nagios; fi

```

Configuration du client

dans le Fichier de configuration : /etc/munin/munin-node.conf

- La directive "host_name" est utilisable si le nom d'hôte du client diffère de celui déclaré sur le serveur.
- La directive "allow" est une expression régulière indiquant quelles machines sont autorisées à interroger le nœud.
- La directive "host" indique sur quelles interfaces Munin doit fonctionner

sur le serveur

```

#host_name localhost.localdomain

# A list of addresses that are allowed to connect. This must be a
# regular expression, since Net::Server does not understand CIDR-style
# network notation unless the perl module Net::CIDR is installed. You
# may repeat the allow line as many times as you'd like

allow ^127\.0\.0\.1$
allow ^::1$

# If you have installed the Net::CIDR perl module, you can use one or more
# cidr_allow and cidr_deny address/mask patterns. A connecting client must
# match any cidr_allow, and not match any cidr_deny. Note that a netmask
# *must* be provided, even if it's /32
#
# Example:
#
# cidr_allow 127.0.0.1/32
# cidr_allow 192.0.2.0/24
# cidr_deny 192.0.2.42/32

# Which address to bind to;

```

```
host *
# host 127.0.0.1

# And which port
port 4949
```

sur le client

```
nano 7.2
/etc/munin/munin-node.conf
#
# Example config-file for munin-node
#

log_level 4
log_file /var/log/munin/munin-node.log
pid_file /var/run/munin/munin-node.pid

background 1
setsid 1

user root
group root

# This is the timeout for the whole transaction.
# Units are in sec. Default is 15 min
#
# global_timeout 900

# This is the timeout for each plugin.
# Units are in sec. Default is 1 min
#
# timeout 60

# Regexps for files to ignore
ignore_file [#~]$
ignore_file DEADJOE$
ignore_file \.bak$
ignore_file %$
ignore_file \.dpkg-(tmp|new|old|dist)$
ignore_file \.rpm(save|new)$
ignore_file \.pod$

# Set this if the client doesn't report the correct hostname when
# telnetting to localhost, port 4949
#
host_name munin.m2l.org

# A list of addresses that are allowed to connect. This must be a
# regular expression, since Net::Server does not understand CIDR-style
# network notation unless the perl module Net::CIDR is installed. You
```

```
# may repeat the allow line as many times as you'd like

allow ^10\.31\.96\.20$
allow ^::1$

# If you have installed the Net::CIDR perl module, you can use one or more
# cidr_allow and cidr_deny address/mask patterns. A connecting client must
# match any cidr_allow, and not match any cidr_deny. Note that a netmask
# *must* be provided, even if it's /32
#
# Example:
#
# cidr_allow 127.0.0.1/32
# cidr_allow 192.0.2.0/24
# cidr_deny 192.0.2.42/32

# Which address to bind to;
host *
# host 127.0.0.1

# And which port
port 4949
```

Lancer munin-node sur le serveur et sur le client et utiliser la commande suivante pour le reebot:

```
systemctl restart munin-node
```

Vérification qu'il écoute le port 4949:

```
root@munin:~# netstat -nat
Connexions Internet actives (serveurs et établies)
Proto Recv-Q Send-Q Adresse locale Adresse distante Etat
tcp 0 0 0.0.0.0:22 0.0.0.0:* LISTEN
tcp 0 0 127.0.0.1:25 0.0.0.0:* LISTEN
tcp 0 0 10.31.96.30:41918 10.31.96.53:4949 TIME_WAIT
tcp 0 0 10.31.96.30:34764 10.31.96.80:4949 TIME_WAIT
tcp 0 0 127.0.0.1:33740 127.0.0.1:4949 TIME_WAIT
tcp 0 0 10.31.96.30:55866 10.31.96.99:4949 TIME_WAIT
tcp 0 0 10.31.96.30:37994 10.31.96.21:4949 TIME_WAIT
tcp 0 0 10.31.96.30:47706 10.31.96.63:4949 TIME_WAIT
tcp6 0 0 :::125 :::* LISTEN
tcp6 0 0 :::80 :::* LISTEN
tcp6 0 0 :::22 :::* LISTEN
tcp6 0 0 :::443 :::* LISTEN
tcp6 0 0 :::4949 :::* LISTEN
```

Plugins

La commande munin-node-configure permet de visualiser les différents plugins installés.

acpi	yes	
cpu	yes	
cpuspeed	yes	
df	yes	
df_inode	yes	
diskstats	yes	
entropy	yes	
forks	yes	
fw_contrack	yes	
fw_forwarded_local	yes	
fw_packets	yes	
if_	yes	eth0
if_err_	yes	eth0
interrupts	yes	
irqstats	yes	
load	yes	
memory	yes	
munin_stats	yes	
netstat	yes	
open_files	yes	
open_inodes	yes	
proc_pri	yes	
processes	yes	
swap	yes	
threads	yes	
uptime	yes	
users	yes	
vmstat	yes	

Ces plugins sont des scripts écrits en perl, bash, ... et se trouvent dans le répertoire `/usr/share/munin/plugins`

[illegible]

Les plugins activés se trouvent dans `/etc/munin/plugins`.

Pour activer un plugin qui ne l'est pas, il faut créer un lien symbolique dans le répertoire des plugins:

- `cd /etc/munin/plugins`
- `ln -s /usr/share/munin/plugins/cpu .`
- `ln -s /usr/share/munin/plugins/if if enp0s3`

From: <https://sisr2.beaupeyrat.com/> - **Documentations SIO2 option SISR**

Permanent link:
<https://sisr2.beaupeyrat.com/doku.php?id=sisr1-g6:munin>

Last update: **2024/05/16 19:33**



