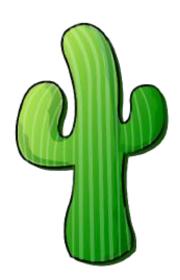
TP - Monitoring : Cacti

CONSUEGRA Yanis



Démarrer le firewall IPTABLES :

```
:INPUT ACCEPT [0:0]
:FORWARD ACCEPT [0:0]
:OUTPUT ACCEPT [0:0]
-A INPUT -m state --state RELATED, ESTABLISHED -j ACCEPT
-A INPUT -p ipv6-icmp -j ACCEPT
-A INPUT -i lo -j ACCEPT
-A INPUT -p tcp -m state --state NEW -m tcp --dport 22 -j ACCEPT
-A INPUT -p udp -s 192.168.58.0/24 --dport 161 -j ACCEPT
-A INPUT -p udp -s 192.168.58.0/24 --dport 162 -j ACCEPT
-A INPUT -p udp -s 192.168.58.0/24 --dport 162 -j ACCEPT
-A INPUT -d fe80::/64 -p udp -m udp --dport 546 -m state --state NEW -j ACCEPT
-A INPUT -j REJECT --reject-with icmp6-adm-prohibited
-A FORWARD -j REJECT --reject-with icmp6-adm-prohibited
COMMIT
```

Exemples d'utilisation de snmpwalk/snmpget :

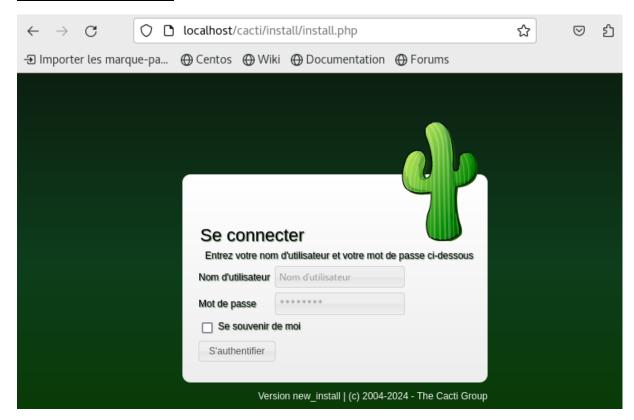
```
NOTIFICATION-LOG-MIB::nlmStatsGlobalNotificationsBumped.0 = Counter32: 0 notificat
ions
SCTP-MIB::sctpCurrEstab.0 = Gauge32: 0
SCTP-MIB::sctpActiveEstabs.0 = Counter32: 0
SCTP-MIB::sctpPassiveEstabs.0 = Counter32: 0
SCTP-MIB::sctpAborteds.0 = Counter32: 0
SCTP-MIB::sctpShutdowns.0 = Counter32: 0
SCTP-MIB::sctpOutOfBlues.0 = Counter32: 0
SCTP-MIB::sctpChecksumErrors.0 = Counter32: 0
SCTP-MIB::sctpOutCtrlChunks.0 = Counter64: 0
SCTP-MIB::sctpOutOrderChunks.0 = Counter64: 0
SCTP-MIB::sctpOutUnorderChunks.0 = Counter64: 0
SCTP-MIB::sctpInCtrlChunks.0 = Counter64: 0
SCTP-MIB::sctpInOrderChunks.0 = Counter64: 0
SCTP-MIB::sctpInUnorderChunks.0 = Counter64: 0
SCTP-MIB::sctpFragUsrMsgs.0 = Counter64: 0
SCTP-MIB::sctpReasmUsrMsgs.0 = Counter64: 0
SCTP-MIB::sctpOutSCTPPacks.0 = Counter64: 0
SCTP-MIB::sctpInSCTPPacks.0 = Counter64: 0
SCTP-MIB::sctpDiscontinuityTime.0 = Timeticks: (0) 0:00:00.00
SCTP-MIB::sctpRtoAlgorithm.0 = INTEGER: 0
SCTP-MIB::sctpRtoMin.0 = Gauge32: 0 milliseconds
SCTP-MIB::sctpRtoMax.0 = Gauge32: 0 milliseconds
SCTP-MIB::sctpRtoInitial.0 = Gauge32: 0 milliseconds
SCTP-MIB::sctpMaxAssocs.0 = INTEGER: 0
SCTP-MIB::sctpValCookieLife.0 = Gauge32: 0 milliseconds
SCTP-MIB::sctpMaxInitRetr.0 = Gauge32: 0
[student@remote-linux ~]$ S
```

```
[student@remote-linux ~]$ snmpget -v2c -c LPESSIR 192.168.58.133 .iso.org.dod.inte rnet.mgmt.mib-2.system.sysName.0 
SNMPv2-MIB::sysName.0 = STRING: cacti 
[student@remote-linux ~]$ snmpget -v2c -c LPESSIR 192.168.58.133 .iso.org.dod.inte rnet.mgmt.mib-2.system.sysLocation.0 
SNMPv2-MIB::sysLocation.0 = STRING: Salle 23 (edit /etc/snmp/snmpd.conf) 
[student@remote-linux ~]$
```

Redémarrer le service httpd.

```
[root@cacti sysconfig]# systemctl restart httpd
[root@cacti sysconfig]#
```

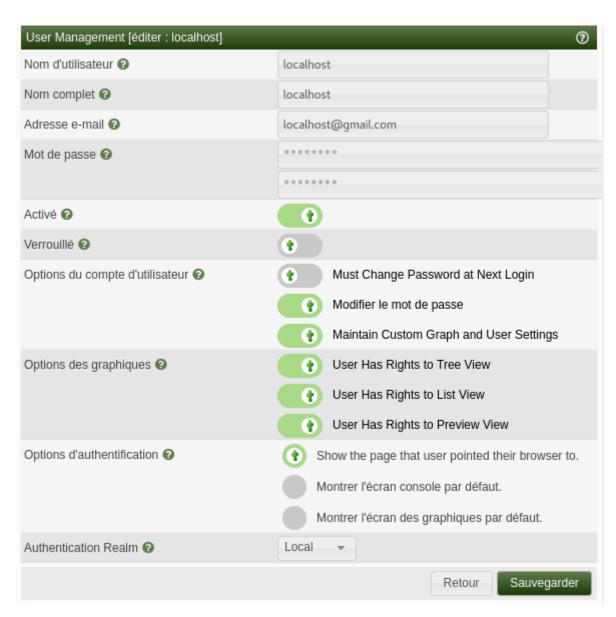
Mise en marche de Cacti:



Mise à jour du mot de passe Cacti :



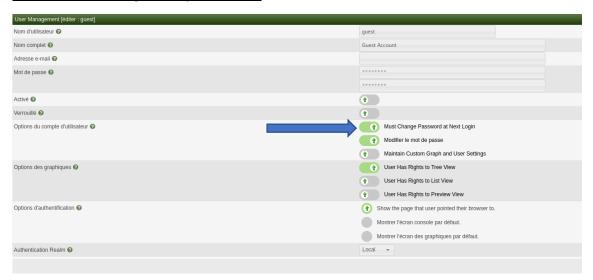




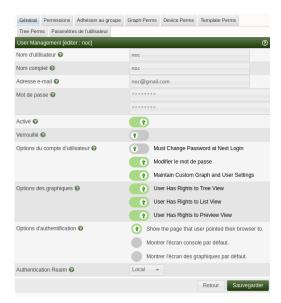
Ajout d'un graphique sur la machine Cacti :



Création des « user guest » (par défaut) :



Création des « noc » :



Configuration du fichier « iptables » de la machine « remote-linux » :

```
# sample configuration for iptables service
# you can edit this manually or use system-config-firewall
# please do not ask us to add additional ports/services to this default configura$
*filter
:INPUT ACCEPT [0:0]
:FORWARD ACCEPT [0:0]
:OUTPUT ACCEPT [0:0]
-A INPUT -m state --state RELATED, ESTABLISHED -j ACCEPT
-A INPUT -p icmp -j ACCEPT
-A INPUT -i lo -j ACCEPT
-A INPUT -p tcp -m state --state NEW -m tcp --dport 22 -j ACCEPT
-A INPUT -p udp -s 192.168.58.0/24 --dport 161 -j ACCEPT
-A INPUT -p udp -s 192.168.58.0/24 --dport 161 -j ACCEPT
-A INPUT -j REJECT --reject-with icmp-host-prohibited
-A FORWARD -j REJECT --reject-with icmp-host-prohibited
COMMIT
```

Snmpwal depuis cacti vers 192.168.58.134:

```
SCTP-MIB::sctpCurrEstab.0 = Gauge32: 0
SCTP-MIB::sctpActiveEstabs.0 = Counter32: 0
SCTP-MIB::sctpPassiveEstabs.0 = Counter32: 0
SCTP-MIB::sctpAborteds.0 = Counter32: 0
SCTP-MIB::sctpShutdowns.0 = Counter32: 0
SCTP-MIB::sctpOutOfBlues.0 = Counter32: 0
SCTP-MIB::sctpChecksumErrors.0 = Counter32: 0
SCTP-MIB::sctpOutCtrlChunks.0 = Counter64: 0
SCTP-MIB::sctpOutOrderChunks.0 = Counter64: 0
SCTP-MIB::sctpOutUnorderChunks.0 = Counter64: 0
SCTP-MIB::sctpInCtrlChunks.0 = Counter64: 0
SCTP-MIB::sctpInOrderChunks.0 = Counter64: 0
SCTP-MIB::sctpInUnorderChunks.0 = Counter64: 0
SCTP-MIB::sctpFragUsrMsqs.0 = Counter64: 0
SCTP-MIB::sctpReasmUsrMsgs.0 = Counter64: 0
SCTP-MIB::sctpOutSCTPPacks.0 = Counter64: 0
SCTP-MIB::sctpInSCTPPacks.0 = Counter64: 0
SCTP-MIB::sctpDiscontinuityTime.0 = Timeticks: (0) 0:00:00.00
SCTP-MIB::sctpRtoAlgorithm.0 = INTEGER: 0
SCTP-MIB::sctpRtoMin.0 = Gauge32: 0 milliseconds
SCTP-MIB::sctpRtoMax.0 = Gauge32: 0 milliseconds
SCTP-MIB::sctpRtoInitial.0 = Gauge32: 0 milliseconds
SCTP-MIB::sctpMaxAssocs.0 = INTEGER: 0
SCTP-MIB::sctpValCookieLife.0 = Gauge32: 0 milliseconds
SCTP-MIB::sctpMaxInitRetr.0 = Gauge32: 0
[root@cacti sysconfig]#
```

Commande avec « sysName »

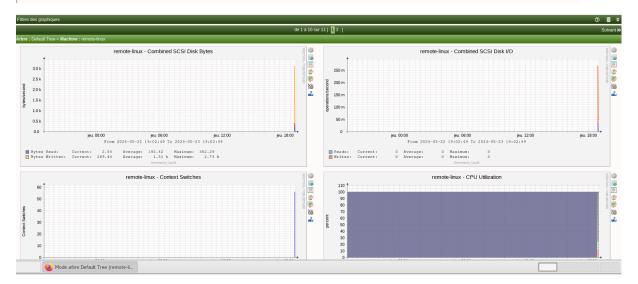
```
[root@cacti sysconfig]# snmpget -v2c -c LPESSIR 192.168.58.134 .iso.org.dod.intern et.mgmt.mib-2.system.sysName.0
```

Commande avec « SysLoaction »

[root@cacti sysconfig]# snmpget -v2c -c LPESSIR 192.168.58.134 .iso.org.dod.intern
et.mgmt.mib-2.system.sysLocation.0
SNMPv2-MIB::sysLocation.0 = STRING: Salle 22 (edit /etc/snmp/snmpd.conf)

Aperçu de l'ajout de l'équipement remote-linux

remote-linux (192.168.58.134)
Information SNMP
Système: Linux remote-linux 3.10.0-1160.118.1.el7.x86_64 #1 SMP Wed Apr 24 16:01:50 UTC 2024 x86_64
Temps d'activation & #160;: 128200 (0jours, 0heures, 2lminutes)
Nom de machine: remote-linux
Lieu: Salle 22 (edit /etc/snmp/snmpd.conf)
Contact: Root root@localhost (configure /etc/snmp/snmp.local.conf)



IMPORTANT: Pour ajouter le graphique, il faut aller dans Gestion > équipement et l'ajouter comme ceci et cliquer sur « Go » :

