

Nagios

Un outil de supervision, c'est un logiciel qui surveille l'état et le bon fonctionnement d'un réseau, de serveurs ou d'applications. Il vérifie que tout fonctionne correctement, et alerte quand quelque chose ne va pas (par exemple, si un serveur tombe en panne ou si un service ne répond plus).

Mise en place :

Installation des paquets,

Configuration ip :

```
# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
allow-hotplug ens192
iface ens192 inet static
address 172.17.0.5/16
gateway 172.17.255.254
```

etc/network/interfaces

Configuration des différents fichiers dans Nagios :

```
define command {
    command_name    process-host-perfdata
    command_line    /usr/bin/printf "%b" "$LASTHOSTCHECK$ \t $HOSTNAME$ \t $HOSTSTATE$ \t $HOSTSTATETYPE$ \t $HOSTEXECUTIONTIME$ \t $HOSTOUTPUT$ \t $HOSTPERF$
}

define command {
    command_name    process-service-perfdata
    command_line    /usr/bin/printf "%b" "$LASTSERVICECHECK$ \t $HOSTNAME$ \t $SERVICEDESC$ \t $SERVICESTATE$ \t $SERVICEATTEMPT$ \t $SERVICESTATETYPE$ \t $SERVICEEXECUTIONTIME$
}

define command {
    command_name    check_nt_uptime
    command_line    $USER1$/check_nt -H $HOSTADDRESS$ -p 12489 -s root -v UPTIME
}

define command {
    command_name    check_nt_cpu
    command_line    $USER1$/check_nt -H $HOSTADDRESS$ -p 12489 -s root -v CPULOAD -l $ARG1$, $ARG2$, $ARG3
}

define command {
    command_name    check_nt_disk_c
    command_line    $USER1$/check_nt -H $HOSTADDRESS$ -p 12489 -s root -v USEDSPACE -l $ARG1$ -w $ARG2$ -c $ARG3$
}

define command {
    command_name    check_nt_mem
    command_line    $USER1$/check_nt -H $HOSTADDRESS$ -p 12489 -s root -v MEMUSE -w $ARG1$ -c $ARG2$
```

Commands.cfg

```

#ping
define service {
    hostgroup_name      all
    service_description ping
    check_command       check_ping!50.0,20%!500.0,50%
    use                 generic-service
    notification_interval 0 ; set > 0 if you want to be renotified
}

#uptime
define service {
    hostgroup_name      groupe-win
    service_description Uptime
    check_command       check_nt_uptime
    use                 generic-service
    notification_interval 0 ; set > 0 if you want to be renotified
}

#disk
define service {
    hostgroup_name      groupe-win
    service_description disk c
    check_command       check_nt_disk_c!C!80!90
    use                 generic-service
    notification_interval 0 ; set > 0 if you want to be renotified
}

#cpu
define service {
    hostgroup_name      groupe-win
    service_description cpu
    check_command       check_nt_cpu!80!90!95
    use                 generic-service
    notification_interval 0 ; set > 0 if you want to be renotified
}

#memoire vive
define service {
    hostgroup_name      groupe-win
    service_description memoire vive
    check_command       check_nt_mem!80!90
    use                 generic-service
    notification_interval 0 ; set > 0 if you want to be renotified
}

```

Service.cfg

```

#groupe linux
define hostgroup {
    hostgroup_name      groupe-linux
    alias               linux
    members             localhost, bdd
}

#groupe win
define hostgroup {
    hostgroup_name      groupe-win
    alias               win
    members             localhost, activedirect
}

```

Hostgroups.cfg

```
allowed_hosts=127.0.0.1,:::1,172.17.0.5
```

nrpe.cfg

```
allowed_hosts=127.0.0.1,:::1,172.17.0.5
```

nrpe.cfg

```
command[check_users]=/usr/lib/nagios/plugins/check_users -w 5 -c 10
command[check_load]=/usr/lib/nagios/plugins/check_load -r -w .15,.10,.05 -c .30,.25,.20
command[check_hda1]=/usr/lib/nagios/plugins/check_disk -w 20% -c 10% -p /dev/hda1
command[check_zombie_procs]=/usr/lib/nagios/plugins/check_procs -w 5 -c 10 -s Z
command[check_total_procs]=/usr/lib/nagios/plugins/check_procs -w 150 -c 200
command[check_swap]=/usr/lib/nagios/plugins/check_swap -w 20 -c 10
command[check_load]=/usr/lib/nagios/plugins/check_load -w 5,4,3 -c 10,8,6
command[check_sda1]=/usr/lib/nagios/plugins/check_disk -w 20% -c 10% -p /dev/sda1
```

NS CLIENT SUR BDD :

```
SERVICE_NAME: nscp
  TYPE                : 10  WIN32_OWN_PROCESS
  STATE                : 4   RUNNING
                       (STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
  WIN32_EXIT_CODE      : 0   (0x0)
  SERVICE_EXIT_CODE   : 0   (0x0)
  CHECKPOINT          : 0x0
  WAIT_HINT           : 0x0
```

```
root@debian:/usr/lib/nagios/plugins# ./check_nrpe -H 172.17.0.1
NRPE v4.1.0
```

Bonne connexion