

Nagios check by ssh

Je vais voir le fonctionnement de nagios via ssh pour les machine en dehors du réseau plus facile généralement que SNMP

Apparemment il faut utiliser une commande check_ssh

Documentation ici : [Nagios check by ssh Plugin](#)

Je créer d'abord ma clef public avec un transfert de ma clef sur l'hote que je souhaite monitorer

```
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa
Your public key has been saved in /root/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:HApwtKF7dxvS3XjSYZKiNGUg4hdg0iprUXSQI1/8q0c root@hanbal.sadek-it.
The key's randomart image is:
+---[RSA 3072]-----+
|..*=X...o|
|=.0.B o .|
|.* * = 0 0 0|
|o. + + B + * .|
|..o o = S + +|
|.. o o o o o|
|. o .|
| E|
+-----[SHA256]-----+
root@hanbal:~# ssh-copy-id -i /root/.ssh/id_rsa.pub root@smtp.com
```

```
Logout
Connection to smtp.agrepe.com closed.
root@hanbal:~# ssh-copy-id -i /root/.ssh/id_rsa.pub root@smtp.agrepe.com
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/root/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
root@smtp.agrepe.com's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'root@smtp.agrepe.com'"
and check to make sure that only the key(s) you wanted were added.

root@hanbal:~#
```

On voit ici que la commande fonctionne bien ne pas hésiter d'augmenter timeout je suis sur un raspberry donc ps top niveau latence

```

root@hanbal:~# /usr/lib/nagios/plugins/check_by_ssh -H smtp.agrepe.com -l root -i /root/.ssh/id_rsa -C "echo adel"
CRITICAL - Plugin timed out after 10 seconds
root@hanbal:~# /usr/lib/nagios/plugins/check_by_ssh -H smtp.agrepe.com -l root -i /root/.ssh/id_rsa -C "echo adel" -t 50
adel
root@hanbal:~# /usr/lib/nagios/plugins/check_by_ssh -H smtp.agrepe.com -l root -i /root/.ssh/id_rsa -C "ip a |grep 30.0.0.*" -t 50
inet 30.0.0.72/24 scope global tun0
root@hanbal:~#

```

Ensuite dans mon fichier de conf nagios des hosts

```

define host {
    use                linux-server
    host_name          smtp.agrepe.com
    address            smtp.agrepe.com
}

define service {
    use                generic-service
    host_name          smtp.agrepe.com
    service_description Verification connexion VPN
    check_command      check_by_ssh!-l root -i /root/.ssh/id_rsa -t 60 -C "ip a | grep -q 30.0.0. && echo 'OK - VPN UP' || (echo 'CRITICAL - VPN DOWN'; exit 2)"
}

```

Pour que tout fonctionne il faut rajouter la commande check_by_ssh dans notre fichier de conf de commande car elle n'est pas présente apr défaut

/etc/nagios4/objects/commands.cfg

```

define command {
    command_name      check_by_ssh
    command_line      /usr/lib/nagios/plugins/check_by_ssh -H $HOSTADDRESS$ $ARG1$
}

```

Bien mettre le -H pour récupérer l'ip du host sur lequel on execute

Le plugij existe mais pas la commande ce sont deux choses différentes

Ensuite sur l'interface nagios

On voit bien ici que c'est en cours faut attendre 4 minutes

Service Properties: my

Limit Results:

Host	Service	Status	Last Check	Duration	Attempt	Status Information
smtp.agrepe.com	Verification connexion VPN	PENDING	N/A	0d 0h 1m 33s+	1/3	Service check scheduled for Wed Jul 2 20:20:18 CEST 2025

Results 1 - 1 of 1 Matching Services

Générer une clef pour l'utilisateur Nagios

Il faut générer une clef pour l'utilisateur nagios pour que tout fonctionne correctement

```
sudo -u nagios ssh-keygen -t rsa -f /var/lib/nagios/.ssh/id_rsa -N ""
```

```
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Jul 2 19:23:44 2025 from 192.168.0.3
root@hanbal:~# su nagios
This account is currently not available.
root@hanbal:~# sudo -u nagios ssh-keygen -t rsa -f /var/lib/nagios/.ssh/id_rsa -
N ""
sudo: unable to resolve host hanbal.sadek-it.fr: Name or service not known
Generating public/private rsa key pair.
Created directory '/var/lib/nagios/.ssh'.
Your identification has been saved in /var/lib/nagios/.ssh/id_rsa
Your public key has been saved in /var/lib/nagios/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:Fd+Hs1p9VM51nZ00+5Z98+kIC7XnmHhwq4uys1Jm81A nagios@hanbal.sadek-it.fr
The key's randomart image is:
+---[RSA 3072]---+
|          B          |
|       o . B=       |
|      . * *         |
|     E . . B       |
|    . S . + o      |
|   *   . . . + .   |
|  + +   .000.. o   |
| . . o . ooB . =+  |
| ..o.o. +++ 000=  |
+---[SHA256]-----+
root@hanbal:~# ssh-copy-id -i /var/lib/nagios/.ssh/id_rsa.pub root@smtp.agrepe.c
om
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/var/lib/nagios/.
ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'root@smtp.agrepe.com'"
and check to make sure that only the key(s) you wanted were added.
root@hanbal:~# █
```

Une fois la clef ajoutée nagios pourra se connecter aux hôtes

Resultat

smtp.agrepe.com

[Vérification connexion VPN](#)

OK

07-03-2025 14:36:36

0d 3h 7m 0s

1/3

OK - VPN UP