

## Installation Centreon (Ubuntu 14.04)

### Pourquoi ?

- Permet de surveiller le matériel informatique présent sur le réseau
- Permet de détecter les pannes instantanément
- Evite de rechercher la provenance du problème

### Comment ?

#### ⇒ Préparation de la VM

- sudo apt-get ssh openssh-server snmp snmpd
- sudo apt-get update
- sudo apt-get upgrade

#### ⇒ Installation de Centreon Clib (bibliothèque pour certains modules de Centreon)

- Sudo apt-get install build-essential cmake -y
- wget <https://s3-eu-west-1.amazonaws.com/centreon-download/public/centreon-clib/centreon-clib-1.4.2.tar.gz>
- tar xzf centreon-clib-1.4.2.tar.gz
- cd centreon-clib-1.4.2/build
- cmake \
  - DWITH\_TESTING=0 \
    - DWITH\_PREFIX=/usr \
      - DWITH\_SHARED\_LIB=1 \
        - DWITH\_STATIC\_LIB=0 \
          - DWITH\_PKGCONFIG\_DIR=/usr/lib/pkgconfig .
  - Un extrait de la compilation apparaît avec "Configuration done et Generating done si la compilation s'est réalisé correctement.
  - Make
  - Sudo make install
  - cd

#### ⇒ Installation des connecteurs Centreon

- Sudo apt-get install libperl-dev -y
- wget <https://s3-eu-west-1.amazonaws.com/centreon-download/public/centreon-connectors/centreon-connector-1.1.1.tar.gz>
- tar xzf centreon-connector-1.1.1.tar.gz
- cd centreon-connector-1.1.1/perl/build
- cmake \
  - DWITH\_PREFIX=/usr \
    - DWITH\_PREFIX\_BINARY=/usr/lib/centreon-connector \
      - DWITH\_CENTREON\_CLIB\_INCLUDE\_DIR=/usr/include \
        - DWITH\_TESTING=0 .
  - make
  - sudo make install
  - cd

⇒ Installation du connecteur SSH

- sudo apt-get install libssh2-1-dev libgcrypt11-dev -y
- cd /home/vmubuntu/centreon-connector-1.1.1/ssh/build
- cmake \
  - DWITH\_PREFIX=/usr \
    - DWITH\_PREFIX\_BINARY=/usr/lib/centreon-connector \
      - DWITH\_CENTREON\_CLIB\_INCLUDE\_DIR=/usr/include \
        - DWITH\_TESTING=0 .
- make
- sudo make install
- cd

⇒ Installation de Centreon Engine

- sudo groupadd -g 6001 centreon-engine
- sudo useradd -u 6001 -g centreon-engine -m -r -d /var/lib/centreon-engine -c "Centreon-engine Admin" centreon-engine
- sudo apt-get install libcgsgi-gsoap-dev zlib1g-dev libssl-dev libxerces-c-dev -y
- wget <https://s3-eu-west-1.amazonaws.com/centreon-download/public/centreon-engine/centreon-engine-1.4.12.tar.gz>
- tar xzf centreon-engine-1.4.12.tar.gz
- cd centreon-engine-1.4.12/build/
- cmake \
  - DWITH\_CENTREON\_CLIB\_INCLUDE\_DIR=/usr/include \
    - DWITH\_CENTREON\_CLIB\_LIBRARY\_DIR=/usr/lib \
      - DWITH\_PREFIX=/usr \
        - DWITH\_PREFIX\_BIN=/usr/sbin \
          - DWITH\_PREFIX\_CONF=/etc/centreon-engine \
            - DWITH\_USER=centreon-engine \
              - DWITH\_GROUP=centreon-engine \
                - DWITH\_LOGROTATE\_SCRIPT=1 \
                  - DWITH\_VAR\_DIR=/var/log/centreon-engine \
                    - DWITH\_RW\_DIR=/var/lib/centreon-engine/rw \
                      - DWITH\_STARTUP\_DIR=/etc/init.d \
                        - DWITH\_PKGCONFIG\_SCRIPT=1 \
                          - DWITH\_PKGCONFIG\_DIR=/usr/lib/pkgconfig \
                            - DWITH\_TESTING=0 \
                              - DWITH\_WEBSERVICE=1 .
        - make
        - sudo make install
        - cd /etc//init.d
        - sudo mv centengine.conf ../init/
        - sudo ln -s /lib/init/upstart-job centengine
        - sudo update-rc.d centengine defaults
        - cd

⇒ Installation des plugins pour Centreon-Engine

- sudo apt-get install libgnutls-dev libssl-dev libkrb5-dev libldap2-dev libsnmp-dev gawk libwrap0-dev libmcrypt-dev smbclient fping gettext dnsutils libmysqlclient-dev libnet-snmp-perl -y
- wget --no-check-certificate <https://www.monitoring-plugins.org/download/monitoring-plugins-2.1.1.tar.gz>
- tar -xzf monitoring-plugins-2.1.1.tar.gz
- cd monitoring-plugins-2.1.1
- ./configure --with-nagios-user=centreon-engine --with-nagios-group=centreon-engine --prefix=/usr/lib/nagios/plugins --libexecdir=/usr/lib/nagios/plugins --enable-perl-modules --with-openssl=/usr/bin/openssl
- make
- sudo make install
- cd
- sudo apt-get install libxml-libxml-perl libjson-perl libwww-perl libxml-xpath-perl libnet-telnet-perl libnet-ntp-perl libnet-dns-perl libdbi-perl libdbd-mysql-perl libdbd-pg-perl -y
- sudo apt-get install git-core -y
- git clone <http://git.centreon.com/centreon-plugins.git>
- cd centreon-plugins
- chmod +x centreon\_plugins.pl
- sudo cp -R \* /usr/lib/nagios/plugins/
- cd

⇒ Installation de Centreon-Broker

- sudo groupadd -g 6002 centreon-broker
- sudo useradd -u 6002 -g centreon-broker -m -r -d /var/lib/centreon-broker -c "Centreon-broker Admin" centreon-broker
- sudo usermod -aG centreon-broker centreon-engine
- sudo apt-get install librrd-dev libqt4-dev libqt4-sql-mysql libgnutls-dev lib-release
- wget <https://s3-eu-west-1.amazonaws.com/centreon-download/public/centreon-broker/centreon-broker-2.8.2.tar.gz>
- tar xzf centreon-broker-2.8.2.tar.gz
- cd centreon-broker-2.8.2/build/
- cmake \
  - DWITH\_DAEMONS='central-broker;central-rrd' \
    - DWITH\_GROUP=centreon-broker \
      - DWITH\_PREFIX=/usr \
        - DWITH\_PREFIX\_BIN=/usr/sbin \
          - DWITH\_PREFIX\_CONF=/etc/centreon-broker \
            - DWITH\_PREFIX\_LIB=/usr/lib/centreon-broker \
              - DWITH\_PREFIX\_MODULES=/usr/share/centreon/lib/centreon-broker \
                - DWITH\_STARTUP\_DIR=/etc/init.d \
                  - DWITH\_STARTUP\_SCRIPT=auto \
                    - DWITH\_TESTING=0 \
                      - DWITH\_USER=centreon-broker .
  - make
  - sudo make install
  - Cd
  - sudo update-rc.d cbd defaults

⇒ Installation des mibs

- sudo apt-get install snmp-mibs-downloader
- sudo ln -s /usr/share/mibs/ /usr/share/snmp/mibs
- Modifiez le fichier /etc/default/snmpd
  - o export MIBDIRS=/usr/share/mibs
  - o export MIBS=ALL
- Commentez la ligne du fichier /etc/snmp/snmp.conf
  - o #MIBS=ALL
- Sudo service snmpd restart
- Verifier le fonctionnement
  - o Snmpwalk -c public -v 2c localhost

⇒ Installation de Centreon UI (interface graphique)

- sudo groupadd -g 6000 centreon
- sudo useradd -u 6000 -g centreon -m -r -d /var/lib/centreon -c "Centreon Admin" centreon
- sudo apt-get install tofrodos bsd-mailx mysql-server apache2 php5-mysql rrdtool librrds-perl php5 php-pear php5-ldap php5-snmp php5-gd libconfig-inifiles-perl libcrypt-des-perl libdigest-sha-perl libdigest-hmac-perl libgd-gd2-perl libnet-snmp-perl libsnmp-perl php5-sqlite -y
- sudo apt-get install phpmyadmin
- cd
- wget <https://s3-eu-west-1.amazonaws.com/centreon-download/public/centreon/centreon-2.6.0.tar.gz>
- tar xzf centreon-2.6.0.tar.gz
- cd centreon-2.6.0
- sudo ./install.sh -i

Do you accept GPL license ?

[y/n], default to [n]:

> y

Do you want to install Centreon Web Front

[y/n], default to [n]:

> y

Do you want to install Centreon CentCore

[y/n], default to [n]:

> y

Do you want to install Centreon Nagios Plugins

[y/n], default to [n]:

> y

Do you want to install Centreon Snmp Traps process

[y/n], default to [n]:

> y

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\*\*\*\*\*CENTWEB INSTALLATION\*\*\*\*\*

Where is your Centreon directory?

default to [/usr/local/centreon]

>/usr/share/centreon

Path /usr/share/centreon ok

Where is your Centreon log directory

default to [/usr/local/centreon/log]

> /var/log/centreon

Do you want me to create this directory ? [/var/log/centreon]

[y/n], default to [n]:

> y

Path /var/log/centreon ok

Where is your Centreon log directory

default to [/usr/local/centreon/log/]

>

Do you want me to create this directory ? [/usr/local/centreon/log/]

[y/n], default to [n]:

> y

Path /usr/local/centreon/log/ OK

Where is your Centreon etc directory

default to [/etc/centreon]

>

Do you want me to create this directory ? [/etc/centreon]

[y/n], default to [n]:

> y

Path /etc/centreon OK

Where is your Centreon binaries directory

default to [/usr/local/centreon/bin]

> /usr/share/centreon/bin

Do you want me to create this directory ? [/usr/share/centreon/bin]

[y/n], default to [n]:

> y

Path /usr/share/centreon/bin OK

Where is your Centreon data informations directory

default to [/usr/local/centreon/data]

> /usr/share/centreon/data

Do you want me to create this directory ? [/usr/share/centreon/data]

[y/n], default to [n]:

> y

Path /usr/share/centreon/data OK

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Where is your Centreon variable library directory?

default to [/var/lib/centreon]

>

Do you want me to create this directory ? [/var/lib/centreon]

[y/n], default to [n]:

> y

Path /var/lib/centreon OK

/usr/bin/rrdtool OK

/usr/bin/mail OK

/usr/bin/php OK

Where is PEAR [PEAR.php]

default to [/usr/share/php/PEAR.php]

>

Path /usr/share/php OK

/usr/bin/perl OK

Finding Apache user : www-data

Finding Apache group : www-data

What is the Centreon group ? [centreon]

default to [centreon]

>

What is the Centreon user ? [centreon]

default to [centreon]

>

What is the Centreon group ? [centreon]

default to [centreon]

>

What is the Centreon user ? [centreon]

default to [centreon]

>

Where is sudo configuration file

default to [/etc/sudoers]

>

/etc/sudoers OK

What is the Monitoring engine init.d script ?

> /etc/init.d/centengine

What is the Monitoring engine binary ?

> /usr/sbin/centengine

What is the Monitoring engine configuration directory ?

> /etc/centreon-engine

Where is the configuration directory for broker module ?

> /etc/centreon-broker

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Where is the init script for broker module daemon ?

> /etc/init.d/cbd

Your sudo is not configured

Do you want me to configure your sudo ? (WARNING)

[y/n], default to [n]:

> y

Configuring Sudo

Do you want to add Centreon Apache sub configuration file ?

[y/n], default to [n]:

> y

Create '/etc/apache2/conf-available/centreon.conf' OK

Configuring Apache OK

Do you want to reload your Apache ?

[y/n], default to [n]:

> y

Do you want me to install/upgrade your PEAR modules

[y/n], default to [y]:

> y

\*\*\*\*\*Centstorage INSTALLATION\*\*\*\*\*

Where is your Centreon Run Dir directory?

default to [/var/run/centreon]

>

Do you want me to create this directory ? [/var/run/centreon]

[y/n], default to [n]:

> y

Path /var/run/centreon OK

Where is your CentStorage binary directory

default to [/usr/share/centreon/bin]

>

Path /usr/share/centreon/bin OK

Where is your CentStorage RRD directory

default to [/var/lib/centreon]

>

Path /var/lib/centreon OK

Preparing Centreon temporary files

/tmp/centreon-setup exists, it will be moved...

install www/install/createTablesCentstorage.sql OK

Creating Centreon Directory '/var/lib/centreon/status' OK

Creating Centreon Directory '/var/lib/centreon/metrics' OK

Install CentStorage binary OK

Change right : /var/run/centreon OK

Change macros for centstorage init script OK

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Replace Centstorage default script Macro OK

Do you want me to install CentStorage init script ?

[y/n], default to [n]:

> y

CentStorage init script installed OK

CentStorage default script installed OK

Do you want me to install CentStorage run level ?

[y/n], default to [n]:

> y

Adding system startup for /etc/init.d/centstorage ...

/etc/rc0.d/K30centstorage -> ../init.d/centstorage

/etc/rc1.d/K30centstorage -> ../init.d/centstorage

/etc/rc6.d/K30centstorage -> ../init.d/centstorage

/etc/rc2.d/S40centstorage -> ../init.d/centstorage

/etc/rc3.d/S40centstorage -> ../init.d/centstorage

/etc/rc4.d/S40centstorage -> ../init.d/centstorage

/etc/rc5.d/S40centstorage -> ../init.d/centstorage

CentStorage Perl lib installed OK

Install logAnalyser OK

Install logAnalyserBroker OK

Install nagiosPerfTrace OK

Change macros for centstorage.cron OK

Install CentStorage cron OK

Change macros for centstorage.logrotate OK

Install Centreon Storage logrotate.d file OK

Create /etc/centreon/instCentStorage.conf OK

\*\*\*\*\*CentCore INSTALLATION\*\*\*\*\*

Where is your CentCore binary directory

default to [/usr/share/centreon/bin]

>

Do you want me to install CentCore init script?

[y/n], default to [n]:

> y

CentCore init script installed OK

CentCore default script installed OK

Do you want me to install CentCore run level ?

[y/n], default to [n]:

> y

Adding system startup for /etc/init.d/centcore ...

/etc/rc0.d/K30centcore -> ../init.d/centcore

/etc/rc1.d/K30centcore -> ../init.d/centcore

/etc/rc6.d/K30centcore -> ../init.d/centcore

/etc/rc2.d/S40centcore -> ../init.d/centcore

/etc/rc3.d/S40centcore -> ../init.d/centcore

/etc/rc4.d/S40centcore -> ../init.d/centcore

/etc/rc5.d/S40centcore -> ../init.d/centcore

CentCore Perl lib installed OK



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Create /etc/centreon/instCentCore.conf OK

\*\*\*\*\*CentPlugins INSTALLATION\*\*\*\*\*

Where is your CentPlugins lib directory  
default to [/var/lib/centreon/centplugins]  
>

Do you want me to create this directory ? [/var/lib/centreon/centplugins]  
[y/n], default to [n]:  
> y

\*\*\*\*\*CentPlugins Traps INSTALLATION\*\*\*\*\*

Where is your SNMP configuration directory  
default to [/etc/snmp]  
>  
/etc/snmp OK

Where is your CentreonTrapd binaries directory  
default to [/usr/local/centreon/bin]  
> /usr/share/centreon/bin  
Do you want me to install CentreonTrapd init script ?  
[y/n], default to [n]:  
> y  
Do you want me to install CentreonTrapd run level ?  
[y/n], default to [n]:  
> y

FIN DE L'INSTALLATION SUR LE SERVEUR

- sudo a2enconf centreon.conf
- sudo service apache2 reload
- sudo mkdir /var/log/centreon-broker  
sudo chown centreon-broker:centreon-broker /var/log/centreon-broker  
sudo chmod 775 /var/log/centreon-broker  
sudo chmod 775 /var/lib/centreon-broker
- Modifier le fichier /etc/mysql/my.cnf et ajouter la ligne suivante
  - o innodb\_file\_per\_table=1
- sudo service mysql restart
  
- la fin de l'installation s'effectue via le navigateur WEB, aller à l'adresse suivante :  
« <http://ipduseur/centreon>
- Next
- Next
- Centreon Engine directory: /usr/sbin/  
Centreon Engine Stats binary: /usr/sbin/centenginestats  
Centreon Engine var lib directory: /var/lib/centreon-engine  
Centreon Engine Connector path: /usr/lib/centreon-connector  
Centreon Engine Library (\*.so) directory: /usr/lib/centreon-engine/  
Next
- Centreon Broker etc directory: /etc/centreon-broker

Centreon Broker module (cbmod.so): /usr/lib/centreon-broker/cbmod.so  
Centreon Broker log directory: /var/log/centreon-broker  
Retention file directory: /var/lib/centreon-broker  
Centreon Broker lib (\*.so) directory: /usr/share/centreon/lib/centreon-broker

Next

- Création du compte "Admin". Saisir vos coordonnées.

Next

- Définir les mdp

Next

- Next

- Finished

- Se connecter

- Sur le serveur, démarrer les services centcore et centreontrapd

- o Sudo service centcore start
- o Sudo service centreontrapd start

- Sur le navigateur, aller dans le menu Configuration/Monitoring Engines

- o Cocher les 4eres options et cliquer sur export

- Sur le serveur, lancer le service Broker

- o Sudo service cbd start

FIN DE L'INSTALLATION DU SERVEUR CENTREON