Centreon Documentation

Release 1.7.0

Centreon

November 24, 2015

Contents

Centreon CLAPI is an Open Source module for Centreon that enables users to configure their monitoring system through command lines. This documentation aims to introduce all the actions you can perform with Centreon CLAPI, from adding host objects to restarting a remote monitoring poller.

> **Warning:** This version is compatible with Centreon 2.5 or higher.

Contents:

www.centreon.com

Release notes

1.1 Centreon CLAPI 1.8.0

1.1.1 What's new

extension management

Now Centreon CLAPI can be extended by all modules themselves. Each module can provide a series of commands in order to manage functionalities of modules in commande line.

BugFix

This version embeds a serie of small bugfix and enhancements :

- Add possibility to manage a poller by his name

- Add possibility to enable a connector in commande line

- Fix export of contacts

- Fix full and global import / export processus

For me information, please report to our github page : https://github.com/centreon/centreon-clapi/issues?q=milestone%3A1.8.0+is%3Aclosed

www.centreon.com

Installation

2.1 Downloads

2.1.1 Formats

Generally speaking, Open Source softwares by Centreon are provided in three possible formats:

- binary RPM packages (recommended)
- tarballs with sources
- Subversion git/repository

RPM packages are the best format you can get as you would not have to worry about compilation and installation, everything is already made by Centreon' experts.

If your platform is not currently supported by RPMs you might consider using tarball sources which are always provided for stable release. However, compilation has to be done manually and it can be cumbersome in some situations.

The latter of these formats is for developers or beta-testers only. No official support is provided on them as they are most likely still under development.

2.1.2 Centreon CLAPI

Tarballs: http://www.centreon.com/Content-Download/download-centreon-clapi

Git: http://git.centreon.com/centreon-clapi

2.2 Using packages

Centreon provides RPM for its products through Centreon Entreprise Server (CES). Open source products are available for free from our repository.

These packages have been successfully tested with CentOS 5 and RedHat 5.

2.2.1 Prerequisites

In order to use RPM from the CES repository, you have to install the appropriate repo file. Run the following command as privileged user:

```
$ wget http://yum.centreon.com/standard/2.2/ces-standard.repo -O /etc/yum.repos.d/ces-standard.repo
```

The repo file is now installed.

2.2.2 Installation

Simply execute the following commands:

```
$ yum clean all
$ yum install centreon-clapi
```

2.2.3 Web Installation

In order to finish the installation, connect to your Centreon web interface, then go to Administration > Modules and click on the Installation button:

The module is now installed.
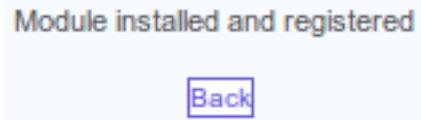
2.3 Using sources

2.3.1 Prerequisites

Centreon CLAPI being a module, it is obviously required to have Centreon installed first. Otherwise, refer to the Centreon installation guide.

Download the latest package of Centreon CLAPI from the website: http://www.centreon.com/Content-Download/download-centreon-clapi.

www.centreon.com

Shell Installation

Extract the Centreon CLAPI package:

```
tar zxf centreon-clapi-1.x.x.tar.gz
```

Change directory:

```
cd centreon-clapi-1.x.x
```

Run the installation script:

```
./install.sh -i
```

There is not much to do here besides specifying the Centreon configuration directory.:

```
###############################################################################
#                                                                             #
#                Module : Centreon CLAPI version 1.4                          #
#                                                                             #
###############################################################################
-------------------------------------------------------------------------
      Checking all needed binaries
-------------------------------------------------------------------------
rm                                                       OK
cp                                                       OK
mv                                                       OK
/bin/chmod                                               OK
/bin/chown                                               OK
echo                                                     OK
more                                                     OK
mkdir                                                    OK
find                                                     OK
/bin/grep                                                OK
/bin/cat                                                 OK
/bin/sed                                                 OK


-------------------------------------------------------------------------
      Load parameters
-------------------------------------------------------------------------
Please specify the directory that contains "instCentWeb.conf"
> /etc/centreon/


-------------------------------------------------------------------------
      Centreon CLAPI Module Installation
-------------------------------------------------------------------------
Replacing macros                                         OK
Setting right                                            OK
Setting owner/group                                      OK
Create module directory                                  OK
Copying module                                           OK
Delete temp install directory                            OK

The centreon-clapi.1.4 installation is finished          OK
See README and the log file for more details.
###############################################################################
#                                                                             #
#      Please go to the URL : http://your-server/centreon/                    #
#                    to finish the setup                                      #
#                                                                             #
```

```
#                                                                                    #
####################################################################################
```

Web Installation

In order to finish the installation, connect to your Centreon web interface, then go to Administration > Modules and click on the Installation button:

The module is now installed.

www.centreon.com

Overview

Centreon CLAPI aims to offer (almost) all the features that are available on the user interface in terms of configuration.

3.1 Features

- Add/Delete/Update objects such as hosts, services, host templates, host groups, contacts etc...
- Generate configuration files
- Test configuration files
- Move configuration files to monitoring pollers
- Restart monitoring pollers
- Import and export objects

3.2 Basic usage

All actions in Centreon CLAPI will require authentication, so your commands will always start like this:

```
# cd /usr/share/centreon/www/modules/centreon-clapi/core
# ./centreon -u admin -p centreon [...]
```

Obviously, the **-u** option is for the username and the **-p** option is for the password. If your passwords are encoded with SHA1 in database, use the **-s** option:

```
# ./centreon -u admin -p centreon -s [...]
```

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

Poller management

4.1 List available pollers

In order to list available pollers, use the **POLLERLIST** command:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLERLIST
1       Local Poller
2       Remote Poller
```

Where 1 is the id of "Local Poller" and 2 is the id of "Remote Poller".

4.2 Generate local configuration files for a poller

In order to generate configuration files for poller "Local Poller" of id 1, use the **POLLERGENERATE** command:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLERGENERATE -v 1
Configuration files generated for poller 1
```

You can generate the configuration using the poller name:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLERGENERATE -v "Local Poller"
Configuration files generated for poller 'Local Poller'
```

4.3 Test monitoring engine configuration of a poller

In order to test configuration files for poller "Remote Poller" of id 2, use the **POLLERTEST** command:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLERTEST -v 1
OK: Nagios Poller 2 can restart without problem...
```

You can test the configuration using the poller name:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLERTEST -v "Local Poller"
Warning: Nagios Poller poller can restart but configuration is not optimal. Please see debug bellow
----------------------------------------------------------------------------------------------------
[1440681047] [15559] Reading main configuration file '/usr/share/centreon//filesGeneration/nagiosCFG/
[1440681047] [15559] Warning: temp_path variable ignored
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/
```

```
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/s
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/s
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/n
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/h
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/s
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/t
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/e
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440681047] [15559] Reading resource file '/usr/share/centreon/filesGeneration/nagiosCFG/5/resource.
[1440681047] [15559] Checking global event handlers...
[1440681047] [15559] Checking obsessive compulsive processor commands...
[1440681047] [15559]
[1440681047] [15559] Checked 55 commands.
[1440681047] [15559] Checked 0 connectors.
[1440681047] [15559] Checked 7 contacts.
[1440681047] [15559] Checked 0 host dependencies.
[1440681047] [15559] Checked 0 host escalations.
[1440681047] [15559] Checked 0 host groups.
[1440681047] [15559] Checked 1 hosts.
[1440681047] [15559] Checked 0 service dependencies.
[1440681047] [15559] Checked 0 service escalations.
[1440681047] [15559] Checked 0 service groups.
[1440681047] [15559] Checked 1 services.
[1440681047] [15559] Checked 5 time periods.
[1440681047] [15559]
[1440681047] [15559] Total Warnings: 1
[1440681047] [15559] Total Errors:   0

-------------------------------------------------------------------------------------------
Return code end : 0
```

4.4 Move monitoring engine configuration files

In order to move configuration files for poller "Local Poller" of id 1 to the final engine directory, use the **CFGMOVE** command:

```
[root@centreon core]# ./centreon -u admin -p centreon -a CFGMOVE -v 2
OK: All configuration will be send to 'Remote Poller' by centcore in several minutes.
Return code end : 1
```

You can move the configuration files using the poller name:

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

```
[root@centreon core]# ./centreon -u admin -p centreon -a CFGMOVE -v "Remote Poller"
OK: All configuration will be send to 'Remote Poller' by centcore in several minutes.
Return code end : 1
```

4.5 Restart monitoring engine of a poller

In order to restart the monitoring process on poller "Local Poller" of id 1, use the the **POLLERRESTART** command:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLERRESTART -v 2
OK: A restart signal has been sent to 'Remote Poller'
Return code end : 1
```

You can restart the poller using its name:

```
[root@centreon core]# ./centreon -u Remote Poller -p centreon -a POLLERRESTART -v "Remote Poller"
OK: A restart signal has been sent to 'Remote Poller'
Return code end : 1
```

4.6 All in one command

Use the **APPLYCFG** command in order to execute all of the above with one single command:

```
[root@centreon core]# ./centreon -u admin -p centreon -a APPLYCFG -v 1
```

You can execute using the poller name:

```
[root@centreon core]# ./centreon -u admin -p centreon -a APPLYCFG -v "Remote Poller"
```

This will execute **POLLERGENERATE**, **POLLERTEST**, **CFGMOVE** and **POLLERRESTART**.

4.7 Reload monitoring engine of a poller

In order to reload the monitoring process on poller "Remote Poller" of id 2, use the **POLLERRELOAD** command:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLERRELOAD -v 2
OK: A reload signal has been sent to Remote Pollerpoller'
Return code end : 1
```

You can reload poller using its name:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLERRELOAD -v "Remote Poller"
OK: A reload signal has been sent to 'Remote Poller'
Return code end : 1
```

4.8 Execute post generation commands of a poller

In order to execute post generation commands of a poller, use the **POLLEREXECCMD** command:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLEREXECCMD -v 2
Running configuration check...done.
Reloading nagios configuration...done
```

You can execute post generation commands of a poller using its name:

```
[root@centreon core]# ./centreon -u admin -p centreon -a POLLEREXECCMD -v "Remote Poller"
Running configuration check...done.
Reloading nagios configuration...done
```

4.9 Perform an all-in-one command

It is possible to perform the following commands all at the same time: POLLERGENERATE, POLLERTEST, CFG-MOVE, POLLERRESTART and POLLEREXECCMD.

In order to do that, use the **APPLYCFG** command:

```
[root@centreon core]# ./centreon -u admin -p centreon -a APPLYCFG -v 5
2015-08-27 16:52:32 - APPLYCFG
Configuration files generated for poller '5'

Warning: Nagios Poller 5 can restart but configuration is not optimal. Please see debug bellow :
------------------------------------------------------------------------------------------------
[1440687152] [18827] Reading main configuration file '/usr/share/centreon//filesGeneration/nagiosCFG/
[1440687152] [18827] Warning: temp_path variable ignored
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/h
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/h
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/s
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/s
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/n
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/h
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/s
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/t
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/e
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687152] [18827] Reading resource file '/usr/share/centreon/filesGeneration/nagiosCFG/5/resource.
[1440687152] [18827] Checking global event handlers...
[1440687152] [18827] Checking obsessive compulsive processor commands...
[1440687152] [18827]
[1440687152] [18827] Checked 55 commands.
[1440687152] [18827] Checked 0 connectors.
[1440687152] [18827] Checked 7 contacts.
[1440687152] [18827] Checked 0 host dependencies.
[1440687152] [18827] Checked 0 host escalations.
[1440687152] [18827] Checked 0 host groups.
[1440687152] [18827] Checked 1 hosts.
[1440687152] [18827] Checked 0 service dependencies.
[1440687152] [18827] Checked 0 service escalations.
```

```
[1440687152] [18827] Checked 0 service groups.
[1440687152] [18827] Checked 1 services.
[1440687152] [18827] Checked 5 time periods.
[1440687152] [18827]
[1440687152] [18827] Total Warnings: 1
[1440687152] [18827] Total Errors:   0


----------------------------------------------------------------------------------------------

OK: All configuration will be send to 'Remote Poller' by centcore in several minutes.
```

You can perform poller using its name:

```
[root@centreon core]# ./centreon -u admin -p centreon -a APPLYCFG -v "Remote Poller"
2015-08-27 16:54:46 - APPLYCFG
Configuration files generated for poller 'Remote Poller'

Warning: Nagios Poller poller can restart but configuration is not optimal. Please see debug bellow
----------------------------------------------------------------------------------------------
[1440687287] [18877] Reading main configuration file '/usr/share/centreon//filesGeneration/nagiosCFG/
[1440687287] [18877] Warning: temp_path variable ignored
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/h
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/h
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/s
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/s
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/n
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/h
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/s
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/t
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/e
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Processing object config file '/usr/share/centreon/filesGeneration/nagiosCFG/5/c
[1440687287] [18877] Reading resource file '/usr/share/centreon/filesGeneration/nagiosCFG/5/resource.
[1440687287] [18877] Checking global event handlers...
[1440687287] [18877] Checking obsessive compulsive processor commands...
[1440687287] [18877]
[1440687287] [18877] Checked 55 commands.
[1440687287] [18877] Checked 0 connectors.
[1440687287] [18877] Checked 7 contacts.
[1440687287] [18877] Checked 0 host dependencies.
[1440687287] [18877] Checked 0 host escalations.
[1440687287] [18877] Checked 0 host groups.
[1440687287] [18877] Checked 1 hosts.
[1440687287] [18877] Checked 0 service dependencies.
[1440687287] [18877] Checked 0 service escalations.
[1440687287] [18877] Checked 0 service groups.
```

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

```
[1440687287] [18877] Checked 1 services.
[1440687287] [18877] Checked 5 time periods.
[1440687287] [18877]
[1440687287] [18877] Total Warnings: 1
[1440687287] [18877] Total Errors:   0

----------------------------------------------------------------------------------------

OK: All configuration will be send to 'Remote Poller' by centcore in several minutes.

Return code end : 1
```

Object management

5.1 ACL

5.1.1 Overview

Object name: **ACL**

5.1.2 Reload

In order to reload ACL, use the **RELOAD** command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACL -a reload
```

5.1.3 Lastreload

In order to check when the ACL was last reloaded, use the **LASTRELOAD** command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACL -a lastreload
1329833702
```

If you wish to get a human readable time format instead of a timestamp, use the following command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACL -a lastreload -v "d-m-Y H:i:s"
21-02-2012 15:17:01
```

You can change the date format:

Format character	Description
d	Day
m	Month
Y	Year
H	Hour
i	Minute
s	Second

5.2 Action ACL

5.2.1 Overview

Object name: **ACLACTION**

5.2.2 Show

In order to list available ACL Actions, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLACTION -a show
id;name;description;activate
1;Simple User;Simple User;1
[...]
```

Columns are the following:

Column	Description
ID	
Name	
Description	
Activate	1 when ACL Action is enabled, 0 otherwise

5.2.3 Add

In order to add an ACL Action, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLACTION -a add -v "ACL Action test;my descrip
```

Required fields:

Column	Description
Name	
Description	

5.2.4 Del

If you want to remove an ACL Action, use the **DEL** action. The Name is used for identifying the ACL Action to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLACTION -a del -v "ACL Action test"
```

5.2.5 Setparam

If you want to change a specific parameter of an ACL Action, use the **SETPARAM** action. The Name is used for identifying the ACL Action to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLACTION -a setparam -v "ACL Action test;descr
```

Arguments are composed of the following columns:

www.centreon.com

Order	Column description
1	Name of ACL action rule
2	Parameter name
3	Parameter value

Parameters that you may change are the following:

Column	Description
name	
description	
activate	1 when ACL Action is enabled, 0 otherwise

5.2.6 Getaclgroup

If you want to retrieve the ACL Groups that are linked to a specific ACL Action, use the **GETACLGROUP** command.

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL action rule

Example::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLACTION -a getaclgroup -v "ACL Action test"
id;name
1;ALL
3;Operators
```

5.2.7 Grant and Revoke

If you want to grant or revoke actions in an ACL Action rule definition, use the following commands: **GRANT**, **REVOKE**.

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL action rule
2	Actions to grant/revoke

Example::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLACTION -a grant -v "ACL Action test;host_acl
```

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLACTION -a revoke -v "ACL Action test;host_so
```

The '*' wildcard can be used in order to grant or revoke all actions::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLACTION -a grant -v "ACL Action test;*"
```

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLACTION -a revoke -v "ACL Action test;*"
```

Below is the list of actions that you can grant/revoke:

Action	Description
global_event_handler	Permission to globally enable/disable event handlers
global_flap_detection	Permission to globally enable/disable flap detection
Continued on next page	

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

Table 5.1 – continued from previous page

Action	Description
global_host_checks	Permission to globally enable/disable host active checks
global_host_obsess	Permission to globally enable/disable obsess over host
global_host_passive_checks	Permission to globally enable/disable host passive checks
global_notifications	Permission to globally enable/disable notifications
global_perf_data	Permission to globally enable/disable performance data
global_restart	Permission to restart the monitoring engine
global_service_checks	Permission to globally enable/disable service active checks
global_service_obsess	Permission to globally enable/disable obsess over service
global_service_passive_checks	Permission to globally enable/disable service passive checks
global_shutdown	Permission to shut down the monitoring engine
host_acknowledgement	Permission to acknowledge hosts
host_checks	Permission to enable/disable host active checks
host_checks_for_services	Permission to enable/disable active checks of a host's services
host_comment	Permission to put comments on hosts
host_event_handler	Permission to enable/disable event handlers on hosts
host_flap_detection	Permission to enable/disable flap detection on hosts
host_notifications	Permission to enable/disable notification on hosts
host_notifications_for_services	Permission to enable/disable notification on hosts' services
host_schedule_check	Permission to schedule a host check
host_schedule_downtime	Permission to schedule a downtime on a host
host_schedule_forced_check	Permission to schedule a host forced check
host_submit_result	Permission to submit a passive check result to a host
poller_listing	Permission to see the Poller list on the monitoring console
poller_stats	Permission to see the poller statistics (on top screen)
service_acknowledgement	Permission to acknowledge services
service_checks	Permission to enable/disable service active checks
service_comment	Permission to put comments on services
service_event_handler	Permission to enable/disable event handlers on services
service_flap_detection	Permission to enable/disable flap detection on services
service_notifications	Permission to enable/disable notification on services
service_passive_checks	Permission to enable/disable service passive checks
service_schedule_check	Permission to schedule a service check
service_schedule_downtime	Permission to schedule a downtime on a service
service_schedule_forced_check	Permission to schedule a service forced check
service_submit_result	Permission to submit a passive check result to a service
top_counter	Permission to see the quick status overview (top right corner of the screen)

5.3 ACL Groups

5.3.1 Overview

Object name: **ACLGROUP**

5.3.2 Show

In order to list available ACL Groups, use the **SHOW** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a show
id;name;alias;activate
```

```
1;ALL;ALL;1
[...]
```

Columns are the following :

Column	Description
ID	ID
Name	Name
Alias	Alias
Activate	1 when ACL Group is enabled, 0 otherwise

5.3.3 Add

In order to add an ACL Group, use the **ADD** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a add -v "ACL Group test;my alias"
```

Required fields are:

Column	Description
Name	Name
Alias	Alias

5.3.4 Del

If you want to remove an ACL Group, use the **DEL** action. The Name is used for identifying the ACL Group to delete::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a del -v "ACL Group test"
```

5.3.5 Setparam

If you want to change a specific parameter of an ACL Group, use the **SETPARAM** action. The Name is used for identifying the ACL Group to update::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a setparam -v "ACL Group test;alias;r
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL Group
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
name	
alias	
activate	1 when ACL Group is enabled, 0 otherwise

5.3.6 Getmenu

If you want to retrieve the Menu Rules that are linked to a specific ACL Group, use the **GETMENU** action::

---

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a getmenu -v "ACL Group test"
id;name
1;Configuration
3;Reporting
4;Graphs
2;Monitoring + Home
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group

5.3.7 Getaction

If you want to retrieve the Action Rules that are linked to a specific ACL Group, use the **GETACTION** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a getaction -v "ACL Group test"
id;name
1;Simple action rule
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group

5.3.8 Getresource

If you want to retrieve the Resource Rules that are linked to a specific ACL Group, use the **GETRESOURCE** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a getresource -v "ACL Group test"
id;name
1;All Resources
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group

5.3.9 Getcontact and Getcontactgroup

If you want to retrieve the Contacts that are linked to a specific ACL Group, use the **GETCONTACT** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a getcontact -v "ACL Group test"
id;name
1;user1
```

If you want to retrieve the Contact Groups that are linked to a specific ACL Group, use the **GETCONTACTGROUP**
action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a getcontactgroup -v "ACL Group test"
id;name
1;usergroup1
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group

5.3.10 Setmenu, Setaction, Setresource, Addmenu, Addaction, Addresource

If you want to link rules to a specific ACL Group, use the following actions: **SETMENU**, **SETACTION**, **SETRE-SOURCE**, **ADDMENU**, **ADDACTION**, **ADDRESOURCE**:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a setmenu -v "ACL Group test;Menu rul
```

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a addresource -v "ACL Group test;All
```

Command type	Description
set*	Overwrites previous definitions. Use the delimiter | to set multiple rules
add*	Appends new rules to the previous definitions. Use the delimiter | to add multiple rules

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group
2	Name of the ACL rule to link

5.3.11 Delmenu, Delaction, Delresource

If you want to remove rules from a specific ACL Group, use the following actions: **DELMENU**, **DELACTION**, **DELRESOURCE**:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a delaction -v "ACL Group test;Ack ru
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group
2	Name of the ACL rule to remove

5.3.12 Setcontact, Setcontactgroup, Addcontact, Addcontactgroup

If you want to link contacts or contact groups to a specific ACL Group, use the following actions: **SETCONTACT**, **SETCONTACTGROUP**, **ADDCONTACT**, **ADDCONTACTGROUP**:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a setcontact -v "ACL Group test;user1
```

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a addcontactgroup -v "ACL Group test;
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group
2	Contact/Contact group to add/set

Command type	Description
set*	Overwrites previous definitions. Use the delimiter | to set multiple contacts/contact groups
add*	Appends new contacts/contact groups to the previous definitions. Use the delimiter | to add multiple rules

www.centreon.com

5.3.13 Delcontact, Delcontactgroup

If you want to remove rules from a specific ACL Group, use the following actions: **DELCONTACT**, **DELCON-TACTGROUP**:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLGROUP -a delcontact -v "ACL Group test;user1
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group
2	Contact/Contact group to remove from ACL group

5.4 Menu ACL

5.4.1 Overview

Object name: **ACLMENU**

5.4.2 Show

In order to list available ACL Menus, use the **SHOW** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLMENU -a show
id;name;alias;comment;activate
1;Configuration;Configuration;;1
2;Monitoring + Home;Monitoring + Home;;1
3;Reporting;Reporting;;1
4;Graphs;Graphs;just a comment;1
[...]
```

Columns are the following :

Column	Description
ID	ID
Name	Name
Alias	Alias
Comment	Comment
Activate	1 when ACL Menu is enabled, 0 otherwise

5.4.3 Add

In order to add an ACL Menu, use the **ADD** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLMENU -a add -v "ACL Menu test;my alias"
```

Required fields are:

Column	Description
Name	Name
Alias	Alias

www.centreon.com

5.4.4 Del

If you want to remove an ACL Menu, use the **DEL** action. The Name is used for identifying the ACL Menu to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLMENU -a del -v "ACL Menu test"
```

5.4.5 Setparam

If you want to change a specific parameter of an ACL Menu, use the **SETPARAM** action. The Name is used for identifying the ACL Menu to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLMENU -a setparam -v "ACL Menu test;alias;my
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL menu rule
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
name	Name
alias	Alias
activate	1 when ACL Menu is enabled, 0 otherwise

5.4.6 Getaclgroup

If you want to retrieve the ACL Groups that are linked to a specific ACL Menu, use the **GETACLGROUP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLMENU -a getaclgroup -v "ACL Menu test"
id;name
1;ALL
3;Operators
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL menu rule

5.4.7 Grant and Revoke

If you want to grant or revoke menus in an ACL Menu rule definition, use the following actions: **GRANT**, **REVOKE**

Let's assume that you would like to grant full access to the [Monitoring] menu in your ACL Menu rule::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLMENU -a grant -v "ACL Menu test;Monitoring"
```

Then, you would like to grant access to the [Home] > [Nagios statistics] menu::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLMENU -a grant -v "ACL Menu test;Home;Nagios
```

Then, you decide to revoke access from [Monitoring] > [Event Logs]::

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLMENU -a revoke -v "ACL Menu test;Monitoring;
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL menu rule
2	Menu name to grant/revoke
n	Possible sub menu name

5.5 Resource ACL

5.5.1 Overview

Object name: **ACLRESOURCE**

5.5.2 Show

In order to list available ACL Resources, use the **SHOW** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLRESOURCE -a show
id;name;alias;comment;activate
1;All Resources;All Resources;;1
[...]
```

Columns are the following :

Column	Description
ID	ID
Name	Name
Alias	Alias
Comment	Comment
Activate	1 when ACL Resource is enabled, 0 otherwise

5.5.3 Add

In order to add an ACL Resource, use the **ADD** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLRESOURCE -a add -v "ACL Resource test;my al
```

Required fields are:

Column	Description
Name	Name
Alias	Alias

5.5.4 Del

If you want to remove an ACL Resource, use the **DEL** action. The Name is used for identifying the ACL Resource to delete::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLRESOURCE -a del -v "ACL Resource test"
```

www.centreon.com

5.5.5 Setparam

If you want to change a specific parameter of an ACL Resource, use the **SETPARAM** action. The Name is used for identifying the ACL Resource to update::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLRESOURCE -a setparam -v "ACL Resource test;a
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL resource rule
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
name	Name
alias	Alias
activate	1 when ACL Resource is enabled, 0 otherwise

5.5.6 Getaclgroup

If you want to retrieve the ACL Groups that are linked to a specific ACL Resource, use the **GETACLGROUP** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o ACLRESOURCE -a getaclgroup -v "ACL Resource tes
id;name
1;ALL
3;Operators
```

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group

5.5.7 Grant and revoke

Arguments are composed of the following columns:

Order	Column description
1	Name of ACL group
2	Name of resource

If you want to grant or revoke resources in an ACL Resource rule definition, use the following commands:

www.centreon.com

Command	Description	Example	Wildcard '*' supported
grant_host	Put host name(s)	[...] -a grant_host -v "ACL Resource Test;srv-esx"	Yes
grant_hostgroup	Put hostgroup name(s)	[...] -a grant_hostgroup -v "ACL Resource Test;Linux servers"	Yes
grant_servicegroup	Put servicegroup name(s)	[...] -a grant_servicegruop -v "ACL Resource Test;Ping"	Yes
grant_metaservice	Put metaservice name(s)	[...] -a grant_metaservice -v "ACL Resource Test;Traffic Average"	No
addhostexclusion	Put host name(s)	[...] -a addhostexclusion -v "ACL Resource Test;srv-test|srv-test2"	No
revoke_host	Put host name(s)	[...] -a revoke_host -v "ACL Resource Test;srv-esx"	Yes
revoke_hostgroup	Put hostgroup name(s)	[...] -a revoke_hostgroup -v "ACL Resource Test;Linux servers"	Yes
re-voke_servicegroup	Put servicegroup name(s)	[...] -a revoke_servicegroup -v "ACL Resource Test;Ping"	Yes
re-voke_metaservice	Put metaservice name(s)	[...] -a revoke_metaservice -v "ACL Resource Test;Traffic Average"	Yes
addfilter_instance	Put instance name(s)	[...] -a addfilter_instance -v "ACL Resource Test;Monitoring-2"	No
addfil-ter_hostcategory	Put host category name(s)	[...] -a addfilter_hostcategory -v "ACL Resource Test;Customer-1"	No
addfil-ter_servicecategory	Put service category name(s)	[...] -a addfilter_servicecategory -v "ACL Resource Test;System"	No
delfilter_instance	Put instance name(s)	[...] -a delfilter_instance -v "ACL Resource Test;Monitoring-2"	Yes
delfil-ter_hostcategory	Put host category name(s)	[...] -a delfilter_hostcategory -v "ACL Resource Test;Customer-1"	Yes
delfil-ter_servicecategory	Put service category name(s)	[...] -a delfilter_servicecategory -v "ACL Resource Test;System"	Yes

Note: Use delimiter "|" for defining multiple resources.

5.6 Centreon broker

5.6.1 Overview

Object name: **CENTBROKERCFG**

5.6.2 Show

In order to list available Centreon Broker CFG, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a show
config id;config name;instance
1;Central CFG;Central
2;Sattelite CFG;Sattelite
[...]
```

Columns are the following:

Order	Description
1	ID
2	Name of configuration
3	Instance that is linked to broker cfg

5.6.3 Add

In order to add a Centreon Broker CFG, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a add -v "broker cfg for poller
```

Required fields are:

Order	Description
1	Name of configuration
2	Instance that is linked to broker cfg

5.6.4 Del

If you want to remove a Centreon Broker CFG, use the **DEL** action. The Name is used for identifying the configuration to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a del -v "broker cfg for poller
```

5.6.5 Setparam

If you want to change a specific parameter of a Centreon Broker configuration, use the **SETPARAM** action. The configuration name is used for identifying the configuration to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a setparam -v "broker cfg for po
```

Arguments are composed of the following columns:

Order	Column description
1	Name of Centreon Broker configuration
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
filename	Filename of configuration (.xml extension)
name	Name of configuration
instance	Instance that is linked to Centreon Broker CFG
event_queue_max_size	Event queue max size (when number is reached, temporary output will be used).

5.6.6 Listinput, Listoutput, Listlogger, Listcorrelation, Listtemporary and Liststats

If you want to list specific input output types of Centreon Broker, use one of the following commands: listinput listoutput listlogger listcorrelation liststats

Example:

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a listoutput -v "broker cfg for
id;name
1;Storage
2;RRD
3;PerfData
```

Columns are the following :

Column	Description
ID	I/O ID
Name	I/O Name

5.6.7 Getinput, Getoutput, Getlogger, Getcorrelation, Gettemporary and Getstats

In order to get parameters of a specific I/O object, use one of the following commands:

- getinput
- getoutput
- getlogger
- getcorrelation
- getstats

Example:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a getoutput -v "broker cfg for
parameter key;parameter value
db_host;localhost
db_name;centreon_storage
db_password;centreon
db_port;3306
db_type;mysql
db_user;centreon
failover;15552000
interval;60
length;
name;PerfData
type;storage
```

The ID is used for identifying the I/O to get.

Columns are the following :

Order	Description
1	Parameter key of the I/O
2	Parameter value of the I/O

5.6.8 Addinput, Addoutput, Addlogger, Addcorrelation, Addtemporary and Addstats

In order to add a new I/O object, use one of the following commands:

- **ADDINPUT**
- **ADDOUTPUT**
- **ADDLOGGER**

- **ADDCORRELATION**
- **ADDTEMPORARY**
- **ADDSTATS**

Example:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a addlogger -v "broker cfg for p
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a listlogger -v "broker cfg for
id;name
1;/var/log/centreon-broker/central-module.log
```

Arguments are composed of the following columns:

Order	Column description
1	Name of Centreon Broker CFG
2	Name of the I/O object
3	Nature of I/O object

5.6.9 Delinput, Deloutput, Dellogger, Delcorrelation, Deltemporary and Delstats

In order to remove an I/O object from the Centreon Broker configuration, use one of the following commands:

- **DELINPUT**
- **DELOUTPUT**
- **DELLOGGER**
- **DELCORRELATION**
- **DELTEMPORARY**
- **DELSTATS**

Example:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a dellogger -v "broker cfg for p
```

The I/O ID is used for identifying the object to delete.

5.6.10 Setintput, Setoutput, Setlogger, Setcorrelation, Settemporary and Setstats

In order to set parameters of an I/O object, use one of the following commands:

- **SETINPUT**
- **SETOUTPUT**
- **SETLOGGER**
- **SETCORRELATION**
- **SETTEMPORARY**
- **SETSTATS**

Example:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a setcorrelation -v "broker cfg
```

Arguments are composed of the following columns:

Order	Column description
1	Name of Centreon Broker CFG
2	ID of I/O object
3	Parameter name
4	Parameter value, for multiple values, use the ”,” delimiter

You may get help with the following CLAPI commands:

- **GETTYPELIST**

- **GETFIELDLIST**

- **GETVALUELIST**

Example:

```
[root@localhost core]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a gettypelist -v "output"
type id;short name;name
16;sql;Broker SQL Database
11;file;File
3;ipv4;IPv4
10;ipv6;IPv6
15;local_client;Local Client Socket
12;local_server;Local Server Socket
14;storage;Perfdata Generator (Centreon Storage)
13;rrd;RRD File Generator

[root@localhost core]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a getfieldlist -v "ipv4"
field id;short name;name
3;ca_certificate;Trusted CA's certificate;text
2;host;Host to connect to;text
46;negociation;Enable negociation;radio
48;one_peer_retention_mode;One peer retention;radio
1;port;Connection port;int
4;private_key;Private key file.;text
12;protocol*;Serialization Protocol;select
5;public_cert;Public certificate;text
6;tls;Enable TLS encryption;radio
```

Note: Note that the "protocol" entry is followed by a star. This means that you have to use one of the possible values.

This is how you get the list of possible values of a given field:

```
[root@localhost core]# ./centreon -u admin -p centreon -o CENTBROKERCFG -a getvaluelist -v "protocol'
possible values
ndo
```

The following chapters describes the parameters of each Object type

correlation

correlation:

www.centreon.com

ID	Label	Description	Possible values
file	Correlation file	Path to the correlation file which holds host, services, dependencies and parenting definitions.	•
retention	Retention file	File where correlation state will be stored during correlation engine restart	•

input

ipv4:

www.centreon.com

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
category	Filter category	Category filter for flux in input	•
ca_certificate	Trusted CA's certificate	Trusted CA's certificate.	•
host	Host to connect to	IP address or hostname of the host to connect to (leave blank for listening mode).	•
one_peer_retention_mode	One peer retention	This allows the retention to work even if the socket is listening	•
port	Connection port	Port to listen on (empty host) or to connect to (with host filled).	•
private_key	Private key file.	Private key file path when TLS encryption is used.	•
protocol	Serialization protocol	Serialization protocol.	ndo
public_cert	Public certificate	Public certificate file path when TLS encryption is used.	•
tls	Enable TLS encryption	Enable TLS encryption.	•

ipv6:

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
category	Filter category	Category filter for flux in input	•
ca_certificate	Trusted CA's certificate	Trusted CA's certificate.	•
host	Host to connect to	IP address or hostname of the host to connect to (leave blank for listening mode).	•
one_peer_retention_mode	One peer retention	This allows the retention to work even if the socket is listening	•
port	Connection port	Port to listen on (empty host) or to connect to (with host filled).	•
private_key	Private key file.	Private key file path when TLS encryption is used.	•
protocol	Serialization protocol	Serialization protocol.	ndo
public_cert	Public certificate	Public certificate file path when TLS encryption is used.	•
tls	Enable TLS encryption	Enable TLS encryption.	•

file:

www.centreon.com

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
max_size	Maximum size of file	Maximum size in bytes.	•
path	File path	Path to the file.	•
protocol	Serialization protocol	Serialization protocol.	ndo

local_server:

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
path	File path	Path to the file.	•
protocol	Serialization protocol	Serialization protocol.	ndo

local_client:

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
path	File path	Path to the file.	•
protocol	Serialization protocol	Serialization protocol.	ndo

logger

file:

ID	Label	Description	Possible values
config	Configuration messages	Enable or not configuration messages logging.	•
debug	Debug messages	Enable or not debug messages logging.	•
error	Error messages	Enable or not error messages logging.	•
info	Informational messages	Enable or not informational messages logging.	•
level	Logging level	How much messages must be logged.	high,low,medium
max_size	Max file size in bytes	The maximum size of log file.	•
name	Name of the logger	For a file logger this is the path to the file. For a standard logger, one of 'stdout' or 'stderr'.	•

standard:

ID	Label	Description	Possible values
config	Configuration messages	Enable or not configuration messages logging.	•
debug	Debug messages	Enable or not debug messages logging.	•
error	Error messages	Enable or not error messages logging.	•
info	Informational messages	Enable or not informational messages logging.	•
level	Logging level	How much messages must be logged.	high,low,medium
name	Name of the logger	For a file logger this is the path to the file. For a standard logger, one of 'stdout' or 'stderr'.	•

syslog:

ID	Label	Description	Possible values
config	Configuration messages	Enable or not configuration messages logging.	•
debug	Debug messages	Enable or not debug messages logging.	•
error	Error messages	Enable or not error messages logging.	•
info	Informational messages	Enable or not informational messages logging.	•
level	Logging level	How much messages must be logged.	high,low,medium

monitoring:

ID	Label	Description	Possible values
config	Configuration messages	Enable or not configuration messages logging.	•
debug	Debug messages	Enable or not debug messages logging.	•
error	Error messages	Enable or not error messages logging.	•
info	Informational messages	Enable or not informational messages logging.	•
level	Logging level	How much messages must be logged.	high,low,medium
name	Name of the logger	For a file logger this is the path to the file. For a standard logger, one of 'stdout' or 'stderr'.	•

output

ipv4:

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
category	Filter category	Category filter for flux in output	•
ca_certificate	Trusted CA's certificate	Trusted CA's certificate.	•
host	Host to connect to	IP address or hostname of the host to connect to (leave blank for listening mode).	•
one_peer_retention_mode	One peer retention	This allows the retention to work even if the socket is listening	•
port	Connection port	Port to listen on (empty host) or to connect to (with host filled).	•
private_key	Private key file.	Private key file path when TLS encryption is used.	•
protocol	Serialization protocol	Serialization protocol.	ndo
public_cert	Public certificate	Public certificate file path when TLS encryption is used.	•
tls	Enable TLS encryption	Enable TLS encryption.	•

ipv6:

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
category	Filter category	Category filter for flux in output	•
ca_certificate	Trusted CA's certificate	Trusted CA's certificate.	•
host	Host to connect to	IP address or hostname of the host to connect to (leave blank for listening mode).	•
one_peer_retention_mode	One peer retention	This allows the retention to work even if the socket is listening	•
port	Connection port	Port to listen on (empty host) or to connect to (with host filled).	•
private_key	Private key file.	Private key file path when TLS encryption is used.	•
protocol	Serialization protocol	Serialization protocol.	ndo
public_cert	Public certificate	Public certificate file path when TLS encryption is used.	•
tls	Enable TLS encryption	Enable TLS encryption.	•

file:

www.centreon.com

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
max_size	Maximum size of file	Maximum size in bytes.	•
path	File path	Path to the file.	•
protocol	Serialization protocol	Serialization protocol.	ndo

local_server:

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
path	File path	Path to the file.	•
protocol	Serialization protocol	Serialization protocol.	ndo

rrd:

www.centreon.com

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
metrics_path	RRD file directory for metrics	RRD file directory, for example /var/lib/centreon/metrics	•
path	Unix socket	The Unix socket used to communicate with rrdcached. This is a global option, go to Administration > Options > RRDTool to modify it.	•
port	TCP port	The TCP port used to communicate with rrdcached. This is a global option, go to Administration > Options > RRDTool to modify it.	•
status_path	RRD file directory for statuses	RRD file directory, for example /var/lib/centreon/status	•

storage:

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
check_replication	Replication enabled	When enabled, the broker engine will check whether or not the replication is up to date before attempting to update data.	•
db_host	DB host	IP address or hostname of the database server.	•
db_name	DB name	Database name.	•
db_password	DB password	Password of database user.	•
db_port	DB port	Port on which the DB server listens	•
db_type	DB type	Target DBMS.	db2,ibase,mysql,oci,odbc,postgresql,sqlit
db_user	DB user	Database user.	•
interval	Interval length	Interval length in seconds.	•
length	RRD length	RRD storage duration in seconds.	•
queries_per_transaction	Maximum queries per transaction	The maximum queries per transaction before commit.	•
read_timeout	Transaction commit timeout	The transaction timeout before running commit.	•
rebuild_check_interval	Rebuild check interval in seconds	The interval between check if some metrics must be rebuild. The default value is 300s	•

local_client:

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
path	File path	Path to the file.	•
protocol	Serialization protocol	Serialization protocol.	ndo

sql:

ID	Label	Description	Possible values
buffering_timeout	Buffering timeout	Time in seconds to wait before launching failover.	•
failover	Failover name	Name of the input or output object that will act as failover.	•
retry_interval	Retry interval	Time in seconds to wait between each connection attempt.	•
check_replication	Replication enabled	When enabled, the broker engine will check whether or not the replication is up to date before attempting to update data.	•
db_host	DB host	IP address or hostname of the database server.	•
db_name	DB name	Database name.	•
db_password	DB password	Password of database user.	•
db_port	DB port	Port on which the DB server listens	•
db_type	DB type	Target DBMS.	db2,ibase,mysql,oci,odbc,postgresql,sqlit
db_user	DB user	Database user.	•
queries_per_transaction	Maximum queries per transaction	The maximum queries per transaction before commit.	•
read_timeout	Transaction commit timeout	The transaction timeout before running commit.	•

stats

stats:

ID	Label	Description	Possible values
fifo	File for Centeron Broker statistics	File where Centreon Broker statistics will be stored	•

temporary

file:

www.centreon.com

ID	Label	Description	Possible values
compression	Compression (zlib)	Enable or not data stream compression.	•
compression_buffer	Compression buffer size	The higher the buffer size is, the best compression. This however increase data streaming latency. Use with caution.	•
compression_level	Compression level	Ranges from 0 (no compression) to 9 (best compression). Default is -1 (zlib compression)	•
max_size	Maximum size of file	Maximum size in bytes.	•
path	File path	Path to the file.	•
protocol	Serialization protocol	Serialization protocol.	ndo

5.7 CGI CFG

5.7.1 Overview

> **Warning:** Compatible with Centreon 2.4.0 and later

Object name: CGICFG

5.7.2 Show

In order to list available CGI CFG, use the **SHOW** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CGICFG -a show
id;name;comment;instance;activate
10;CGI.cfg;Install Nagios TGZ;Central;1
[...]
```

Columns are the following :

Column	Description
ID	ID
Name	Name
Comment	Comment
Instance	Instance that is linked to cgi.cfg
Activate	1 if activated, 0 otherwise

5.7.3 Add

In order to add a CGI CFG, use the **ADD** action::

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CGICFG -a add -v "cgi for poller test;my commen
```

Required fields are:

Column	Description
Name	Name
Comment	Comment
Instance	Instance that is linked to cgi.cfg

5.7.4 Del

If you want to remove a CGI configuration, use the **DEL** action. The Name is used for identifying the configuration to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CGICFG -a del -v "cgi for poller test"
```

5.7.5 Setparam

If you want to change a specific parameter of a CGI configuration, use the **SETPARAM** action. The Name is used for identifying the configuration to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CGICFG -a setparam -v "cgi for poller test;defa
```

Arguments are composed of the following columns:

Order	Column description
1	Name of CGI configuration
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
name	
comment	
activate	1 when activated, 0 otherwise
instance	Instance that is linked to cgi.cfg
main_config_file	Refer to documentation*
physical_html_path	Refer to documentation*
url_html_path	Refer to documentation*
nagios_check_command	Refer to documentation*
use_authentication	Refer to documentation*
default_user_name	Refer to documentation*
authorized_for_system_information	Refer to documentation*
authorized_for_system_commands	Refer to documentation*
authorized_for_configuration_information	Refer to documentation*
authorized_for_all_hosts	Refer to documentation*
authorized_for_all_host_commands	Refer to documentation*
authorized_for_all_services	Refer to documentation*
authorized_for_all_service_commands	Refer to documentation*
statusmap_background_image	Refer to documentation*
default_statusmap_layout	Refer to documentation*
statuswrl_include	Refer to documentation*
default_statuswrl_layout	Refer to documentation*
host_unreachable_sound	Refer to documentation*
host_down_sound	Refer to documentation*
service_critical_sound	Refer to documentation*
service_warning_sound	Refer to documentation*
service_unknown_sound	Refer to documentation*
ping_syntax	Refer to documentation*

Note: * http://nagios.sourceforge.net/docs/nagioscore/3/en/configcgi.html

5.8 Commands

5.8.1 Overview

Object name: **CMD**

5.8.2 Show

In order to list available commands, use **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CMD -a show
id;name;type;line
1;check-ping;check;$USER1$/check_ping -H $HOSTADDRESS$ -w $ARG1$ -c $ARG2$
2;check_dummy;check;$USER1$/check_dummy -o $ARG1$ -s $ARG2$
[...]
```

Columns are the following:

Column	Description
Command ID	
Command name	
Command type	*check*, *notif* or *misc*
Command line	System command line that will be run on execution

5.8.3 Add

In order to add a command use **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CMD -a ADD -v 'check-host-alive;check;$USER1$/c
```

Required columns are the following:

Column	Description
Command name	
Command type	*check*, *notif* or *misc*
Command line	System command line that will be run on execution

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.8.4 Del

If you want to remove a command use **DEL** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CMD -a del -v 'check-host-alive'
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.8.5 Setparam

If you want to change a specific parameters for a command, use the **SETPARAM** command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CMD -a setparam -v 'check-host-alive;type;notif
[root@centreon ~]# ./centreon -u admin -p centreon -o CMD -a setparam -v 'check-host-alive;name;check
```

Parameters that you can change are the following:

Parameter	Description
name	Name of command
line	Command line
type	*check*, *notif*, *misc*
graph	Graph template applied on command
example	Example of arguments (i.e: !80!90)
comment	Comments regarding the command

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

www.centreon.com

5.9 Contacts

5.9.1 Overview

Object name: **CONTACT**

5.9.2 Show

In order to list available contacts, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o contact -a show
id;name;alias;email;pager;gui access;admin;activate
4;Guest;guest;guest@localhost;;0;0;0
5;Supervisor;admin;root@localhost;;1;1;1
6;User;user;user@localhost;;0;0;0
```

Columns are the following :

Column	Description
ID	ID of contact
Name	Name of contact
Alias	Alias of contact (also login id)
Email	Email of contact
Pager	Phone number of contact
GUI Access	*1* (can access UI) or *0* (cannot access UI)
Admin	*1* (admin) or *0* (non admin)
activate	*1* (enabled) or *0* (disabled)

5.9.3 Add

In order to add a contact, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o CONTACT -a ADD -v "user;user;user@mail.com;mypa
```

The required parameters are the following:

Parameter	Description
Name	Name of contact
Alias (login)	Alias of contact (also login id)
Email	Email of contact
Password	Password of contact
Admin	*1* (admin) or *0* (non admin)
GUI Access	*1* (can access UI) or *0* (cannot access UI)
Language	Language pack has to be installed on Centreon
Authentication type	*local* or *ldap*

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.9.4 Del

In order to delete one contact, use the **DEL** action. The contact name is used for identifying the contact you would like to delete:

www.centreon.com

```
[root@centreon core]# ./centreon -u admin -p centreon -o contact -a del -v "user"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.9.5 Setparam

If you want to change a specific parameter for a contact, use the **SETPARAM** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o contact -a setParam -v "contact alias;hostno
[root@centreon core]# ./centreon -u admin -p centreon -o contact -a setParam -v "contact alias;svcnot
root@centreon core]# ./centreon -u admin -p centreon -o contact -a setParam -v "contact alias;hostnot
```

The required parameters are the following:

Parameter	Description
Contact alias	Alias of contact to update
Parameter	Parameter to update
Value	New value of parameter

Parameters that you can change are the following:

Parameter	Description
name	Name
alias	Alias
comment	Comment
email	Email Address
password	User Password
access	Can reach centreon, *1* if user has access, *0* otherwise
language	Locale
admin	*1* if user is admin, *0* otherwise
authtype	*ldap* or *local*
hostnotifcmd	host notification command(s). Multiple commands can be defined with delimiter "|"
svcnotifcmd	service notification command(s). Multiple commands can be defined with delimiter "|"
hostnotifperiod	host notification period
svcnotifperiod	service notification period
hostnotifopt	can be d,u,r,f,s,n
servicenotifopt	can be w,u,c,r,f,s,n
address1	Address #1
address2	Address #2
address3	Address #3
address4	Address #4
address5	Address #5
address6	Address #6
ldap_dn	LDAP domain name
enable_notifications	*1* when notification is enable, *0* otherwise
autologin_key	Used for auto login
template	Name of the template to apply to the contact

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.9.6 Enable

In order to enable a contact, use the **ENABLE** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o contact -a enable -v "test"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.9.7 Disable

In order to disable a contact, use the **DISABLE** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o contact -a disable -v "test"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.10 Contact templates

5.10.1 Overview

Object name: CONTACTTPL

Refer to the *CONTACT* object

5.11 Contact Groups

5.11.1 Overview

Object name: **CG**

5.11.2 Show

In order to list available contact groups, use the **SHOW** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a show
id;name;alias;members
Guest;Guests Group;gest-user1,guest-user2
Supervisors;Centreon supervisors;Admin
```

Columns are the following:

Column	Description
Name	
Alias	
Members	List of contacts that are in the contact group

5.11.3 Add

In order to add a contact group, use the **ADD** action:

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

```
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a ADD -v "Windows;Windows admins"
```

Required fields are the following:

Column	Description
Name	Name
Alias	Alias

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.11.4 Del

In order to delete one contact group, use the **DEL** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a DEL -v "Windows"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.11.5 Setparam

In order to change the name or the alias of a contactgroup, use the **SETPARAM** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a setparam -v "Windows;name;Windows-2K"
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a setparam -v "Cisco;alias;Cisco-Routers
```

Parameters that you can change are the following:

Parameter	Description
name	Name
alias	Alias

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.11.6 Enable

In order to enable a contact group, use the **ENABLE** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a enable -v "Guest"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.11.7 Disable

In order to disable a contact group, use the **DISABLE** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a disable -v "Guest"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

5.11.8 Getcontact

In order to view the contact list of a contact group, use the **GETCONTACT** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a getcontact -v "Guest"
id;name
1;User1
2;User2
```

Columns are the following:

Column	Description
ID	Id of contact
Name	Name of contact

5.11.9 Addcontact and Setcontact

In order to add a contact to a contact group, use the **ADDCONTACT** or **SETCONTACT** action where 'add' will append and 'set' will overwrite previous definitions:

```
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a addcontact -v "Guest;User1"
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a setcontact -v "Guest;User1|User2"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.11.10 Delcontact

In order to remove a contact from a contact group, use the **DELCONTACT** action:

```
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a delcontact -v "Guest;User1"
[root@centreon core]# ./centreon -u admin -p centreon -o CG -a delcontact -v "Guest;User2"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.12 Dependencies

5.12.1 Overview

Object name: **DEP**

5.12.2 Show

In order to list available dependencies, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a show
id;name;description;inherits_parent;execution_failure_criteria;notification_failure_criteria
62;my dependency;a description;1;n;n
```

www.centreon.com

Columns are the following:

Column	Description
ID	Unique ID of the dependency
Name	Name
Description	Short description of the dependency
inherits_parent	Whether or not dependency inherits higher level dependencies
execution_failure_criteria	Defines which parent states prevent dependent resources from being checked
notification_failure_criteria	Defines which parent states prevent notifications on dependent resources

5.12.3 Add

In order to add a new dependency, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a ADD \
-v "my new dependency;any description;HOST;dummy-host"
```

The required parameters are the following:

Order	Description
1	Name of the dependency
2	Description of the dependency
3	Dependency type: HOST, HG, SG, SERVICE, META
4	Name of the parent resource(s)

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.12.4 Del

In order to delete a dependency, use the **DEL** action. The dependency name is used for identifying the dependency you would like to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a DEL -v "my dependency"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.12.5 Setparam

In order to set a specific parameter for a dependency, use the **SETPARAM** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a setparam \
-v "my dependency;name;my new dependency name"
```

You may change the following parameters:

Parameter	Description
name	Name
description	Description
comment	Comment
inherits_parent	*0* or *1*
execution_failure_criteria	o,w,u,c,p,d,n
notification_failure_criteria	o,w,u,c,p,d,n

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

www.centreon.com

5.12.6 Listdep

If you want to retrieve the dependency definition of a dependency object, use the **LISTDEP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a LISTDEP -v "my dependency"
parents;children
HostParent1|HostParent2;HostChild1|HostChild2,ServiceChild2
```

5.12.7 Addparent and Addchild

If you want to add a new parent or a new child in a dependency definition, use the **ADDPARENT** or **ADDCHILD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a ADDPARENT \
-v "my dependency;my_parent_host"
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a ADDCHILD \
-v "my dependency;my_child_host"
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a ADDCHILD \
-v "my dependency;my_child_host2,my_child_service2"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.12.8 Delparent and Delchild

If you want to add a new parent or a new child in a dependency definition, use the **DELPARENT** or **DELCHILD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a DELPARENT \
-v "my dependency;my_parent_host"
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a DELCHILD \
-v "my dependency;my_child_host"
[root@centreon ~]# ./centreon -u admin -p centreon -o DEP -a DELCHILD \
-v "my dependency;my_child_host2,my_child_service2"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.13 Downtimes

5.13.1 Overview

Object name: **DOWNTIME**

5.13.2 Show

In order to list available recurring downtimes, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a show
id;name;description;activate
1;mail-backup;sunday backup;1
1;my downtime;a description;1
```

www.centreon.com

Columns are the following:

Column	Description
ID	Unique ID of the recurring downtime
Name	Name
Description	Short description of the recurring downtime
Activate	Whether or not the downtime is activated

5.13.3 Add

In order to add a new downtime, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a ADD -v "my new downtime;any descrip
```

The required parameters are the following:

Order	Description
1	Name of the downtime
2	Description of the downtime

5.13.4 Del

In order to delete a downtime, use the **DEL** action. The downtime name is used for identifying the recurring downtime
you would like to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a DEL -v "my downtime"
```

5.13.5 Setparam

In order to set a specific parameter for a downtime, use the **SETPARAM** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a setparam -v "my downtime;name;my ne
```

You may change the following parameters:

Parameter	Description
name	Name
description	Description

5.13.6 Listperiods

If you want to retrieve the periods set on a recurring downtime, use the **LISTPERIODS** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a LISTPERIODS -v "my downtime"
position;start time;end time;fixed;duration;day of week;day of month;month cycle
1;1;23:00:00;24:00:00;1;;7;;all
2;1;00:00:00;02:00:00;1;;;1,2;none
3;1;13:45:00;14:40:00;1;;5;;first
```

Columns are the following:

www.centreon.com

Column	Description
Position	Position of the period; used for deleting a period from a recurring downtime
Start time	Start time of the recurring downtime
End time	End time of the recurring downtime
Fixed	Type of downtime (1 = fixed, 0 = flexible)
Duration	Duration of downtime when in flexible mode (seconds)
Day of week	1 - 7 (1 = monday ... 7 = sunday)
Day of month	1 - 31
Month cycle	**"all", "none", "first" or "last". Determines when the downtime** will be effective on specific weekdays (i.e: all Sundays, last Sunday of the month, first Sunday of the month...)

5.13.7 Addweeklyperiod

In order to add a weekly period, use the **ADDWEEKLYPERIOD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a ADDWEEKLYPERIOD \
-v "my downtime;00:00;04:00;0;7200;saturday,sunday"
```

The above example will set a downtime every saturday and sunday between 00:00 and 04:00.

Parameter	Description
Name	Name of the recurring downtime
Start time	Start time of the recurring downtime
End time	End time of the recurring downtime
Fixed	0 for flexible downtime, 1 for fixed
Duration	Duration of downtime when in flexible mode (seconds)
Day of week	Can be written with letters or numbers (1 to 7 or monday to sunday)

5.13.8 Addmonthlyperiod

In order to add a monthly period, use the **ADDMONTHLYPERIOD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a ADDMONTHLYPERIOD \
-v "my downtime;19:00;22:00;1;;14,21"
```

The above example will set a downtime on every 14th and 21st day for all months.

Parameter	Description
Name	Name of the recurring downtime
Start time	Start time of the recurring downtime
End time	End time of the recurring downtime
Fixed	0 for flexible downtime, 1 for fixed
Duration	Duration of downtime when in flexible mode (seconds)
Day of month	1 to 31

5.13.9 Addspecificperiod

In order to add a specific period, use the **ADDSPECIFICPERIOD** action:

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a ADDSPECIFICPERIOD \
-v "my downtime;19:00;22:00;1;;wednesday;first"
```

The above example will set a downtime on every first wednesday for all months.

Parameter	Description
Name	Name of the recurring downtime
Start time	Start time of the recurring downtime
End time	End time of the recurring downtime
Fixed	0 for flexible downtime, 1 for fixed
Duration	Duration of downtime when in flexible mode (seconds)
Day of week	Can be written with letters or numbers (1 to 7 or monday to sunday)
Month cycle	first or last

5.13.10 Addhost, addhostgroup, addservice, addservicegroup

If you want to associate a host, host group, service or service group to a recurring downtime, use the **ADDHOST**, **ADDHOSTGROUP**, **ADDSERVICE** or **ADDSERVICEGROUP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a ADDHOST -v "my downtime;host_1"
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a ADDSERVICE -v "my downtime;host_1,s
```

Use the "|" delimiter in order to define multiple relationships.

5.13.11 Delhost, delhostgroup, delservice, delservicegroup

If you want to remove a host, host group, service or service group from a recurring downtime, use the **DELHOST**, **DELHOSTGROUP**, **DELSERVICE** or **DELSERVICEGROUP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a DELHOST -v "my downtime;host_1"
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a DELSERVICE -v "my downtime;host_1,s
```

5.13.12 Sethost, sethostgroup, setservice, setservicegroup

The **SETHOST**, **SETHOSTGROUP**, **SETSERVICE** AND **SETSERVICEGROUP** actions are similar to their **ADD** counterparts, but they will overwrite the relationship definitions instead of appending them:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a ADDHOST -v "my downtime;host_1|host
[root@centreon ~]# ./centreon -u admin -p centreon -o DOWNTIME -a ADDSERVICE -v "my downtime;host_1,s
```

Use the "|" delimiter in order to define multiple relationships.

5.14 Host templates

5.14.1 Overview

Object name: **HTPL**

Refer to the *HOST* object

Note: You cannot use the **APPLYTPL** and **SETINSTANCE** actions on **HTPL** objects.

---

www.centreon.com

5.15 Hosts

5.15.1 Overview

Object name: HOST

5.15.2 Show

In order to list available hosts, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a show
id;name;alias;address;activate
82;sri-dev1;dev1;192.168.2.1;1
83;sri-dev2;dev2;192.168.2.2;1
84;sri-dev3;dev3;192.168.2.3;0
85;sri-dev4;dev4;192.168.2.4;1
86;sri-dev5;dev5;192.168.2.5;1
87;sri-dev6;dev6;192.168.2.6;1
94;sri-dev7;dev7;192.168.2.7;1
95;sri-dev8;dev8;192.168.2.8;1
```

Columns are the following :

Column	Description
ID	ID of host
Name	Host name
Alias	Host alias
IP/Address	IP of host
Activate	1 when enabled, 0 when disabled

5.15.3 Add

In order to add a host, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a ADD -v "test;Test host;127.0.0.1;gener
```

Required parameters:

Order	Description
1	Host name
2	Host alias
3	Host IP address
4	Host templates; for multiple definitions, use delimiter	
5	Instance name (poller)
6	Hostgroup; for multiple definitions, use delimiter	

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.4 Del

In order to delete one host, use the **DEL** action. You have to list the available hosts in order to identify the one you want to delete:

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a DEL -v "test"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.5 Setparam

In order to change parameters on a host configuration, use the **SETPARAM** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setparam -v "test;alias;Development tes
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setparam -v "test;address;192.168.1.68'
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setparam -v "test;check_period;24x7"
```

You may edit the following parameters:

Parameter	Description
2d_coords	2D coordinates (used by statusmap)
3d_coords	3D coordinates (used by statusmap)
action_url	Action URL
activate	Whether or not host is enabled
active_checks_enabled	Whether or not active checks are enabled
address	Host IP Address
alias	Alias
check_command	Check command
check_command_arguments	Check command arguments
check_interval	Normal check interval
check_freshness	Check freshness (in seconds)
check_period	Check period
checks_enabled	Whether or not checks are enabled
contact_additive_inheritance	Enables contact additive inheritance
cg_additive_inheritance	Enables contactgroup additive inheritance
event_handler	Event handler command
event_handler_arguments	Event handler command arguments
event_handler_enabled	Whether or not event handler is enabled
first_notification_delay	First notification delay (in seconds)
flap_detection_enabled	Whether or not flap detection is enabled
flap_detection_options	Flap detection options
icon_image	Icon image
icon_image_alt	Icon image text
max_check_attempts	Maximum number of attempt before a HARD state is declared
name	Host name
normal_check_interval	value in minutes
notes	Notes
notes_url	Notes URL
notifications_enabled	Whether or not notification is enabled
notification_interval	Notification interval
notification_options	Notification options
notification_period	Notification period
obsess_over_host	Whether or not obsess over host option is enabled
passive_checks_enabled	Whether or not passive checks are enabled
process_perf_data	Process performance data command
retain_nonstatus_information	Whether or not there is non-status retention
retain_status_information	Whether or not there is status retention
Continued on next page	

www.centreon.com

Table 5.2 – continued from previous page

Parameter	Description
retry_check_interval	Retry check interval
snmp_community	Snmp Community
snmp_version	Snmp version
stalking_options	Comma separated options: 'o' for OK, 'd' for Down, 'u' for Unreachable
statusmap_image	Status map image (used by statusmap
vrml_image	VRML image
host_notification_options	Notification options (d,u,r,f,s)

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.6 Setinstance

In order to set the instance from which a host will be monitored, use the **SETINSTANCE** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setinstance -v "Centreon-Server;Poller
```

5.15.7 Getmacro

In order to view the custom macro list of a host, use the **GETMACRO** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a getmacro -v "Centreon-Server"
macro name;macro value;is_password;description
$_HOSTMACADDRESS$;00:08:C7:1B:8C:02;0;description of macro
```

5.15.8 Setmacro

In order to set a custom host macro, use the **SETMACRO** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setmacro -v "Centreon-Server;warning;80
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setmacro -v "Centreon-Server;critical;9
```

Note: If the macro already exists, this action will only update the macro value. Otherwise, macro will be created.

5.15.9 Delmacro

In order to delete a macro host, use the **DELMACRO** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a delmacro -v "Centreon-Server;warning"
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a delmacro -v "Centreon-Server;critical"
```

5.15.10 Gettemplate

In order to view the template list of a host, use the **GETTEMPLATE** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a gettemplate -v "Centreon-Server"
id;name
2;generic-host
12;Linux-Servers
```

5.15.11 Addtemplate and Settemplate

In order to add a host template to an existing host, use the **ADDTEMPLATE** or the **SETTEMPLATE** action, where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a addtemplate -v "Centreon-Server;srv-Lin
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a settemplate -v "Centreon-Server;hardwar
```

Note: All service templates linked to the new host template will be automatically deployed on the existing host. (no longer the case with version later than 1.3.0, use the 'applytpl' action manually)

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.12 Deltemplate

In order to remove a host template to an existing host, use the **DELTEMPLATE** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a deltemplate -v "test;srv-Linux|hardware
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.13 Applytpl

When a template host undergoes modified link-level service template, the change is not automatically reflected in hosts belonging to that template. For the change to take effect, it must then re-apply the template on this host. For this, use the **APPLYTPL** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a applytpl -v "test"
All new services are now created.
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.14 Getparent

In order to view the parents of a host, use the **GETPARENT** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a getparent -v "Centreon-Server"
id;name
43;server-parent1
44;server-parent2
```

www.centreon.com

5.15.15 Addparent and Setparent

In order to add a host parent to an host, use the **ADDPARENT** or **SETPARENT** actions where *add* will append and *set* will overwrite the previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a addparent -v "host;hostParent1"
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setparent -v "host;hostParent1|hostPare
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.16 Delparent

In order to remove a parent, use the **DELPARENT** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a delparent -v "Centreon-Server;server-pa
```

5.15.17 Getcontactgroup

In order to view the notification contact groups of a host, use the **GETCONTACTGROUP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a getcontactgroup -v "Centreon-Server"
id;name
17;Administrators
```

5.15.18 Addcontactgroup and Setcontactgroup

If you want to add notification contactgroups to a host, use the **ADDCONTACTGROUP** or **SETCONTACTGROUP** actions where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a addcontactgroup -v "Centreon-Server;Con
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setcontactgroup -v "Centreon-Server;Con
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.19 Delcontactgroup

If you want to remove notification contactgroups from a host, use the **DELCONTACTGROUP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a delcontactgroup -v "Centreon-Server;Con
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.20 Getcontact

In order to view the notification contacts of a host, use the **GETCONTACT** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a getcontact -v "Centreon-Server"
id;name
11;guest
```

www.centreon.com

5.15.21 Addcontact and Setcontact

If you want to add notification contacts to a host, use the **ADDCONTACT** or **SETCONTACT** actions where *add* will
append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a addcontact -v "Centreon-Server;Contact1
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setcontact -v "Centreon-Server;Contact1
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.22 Delcontact

If you want to remove a notification contacts from a host, use the **DELCONTACT** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a delcontact -v "Centreon-Server;Contact2
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.23 Gethostgroup

In order to view the hostgroups that are tied to a host, use the **GETHOSTGROUP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a gethostgroup -v "Centreon-Server"
id;name
9;Linux-Servers
```

5.15.24 Addhostgroup and Sethostgroup

If you want to tie hostgroups to a host, use the **ADDHOSTGROUP** or **SETHOSTGROUP** actions where *add* will
append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a addhostgroup -v "Centreon-Server;Hostgr
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a sethostgroup -v "Centreon-Server;Hostgr
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.25 Delhostgroup

If you want to remove hostgroups from a host, use the **DELHOSTGROUP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a delhostgroup -v "Centreon-Server;Hostgr
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.26 Setseverity

In order to associate a severity to a host, use the **SETSEVERITY** action:

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a setseverity -v "Centreon-Server;Critica
```

Required parameters:

Order	Description
1	Host name
2	Severity name

5.15.27 Unsetseverity

In order to remove the severity from a host, use the **UNSETSEVERITY** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a unsetseverity -v "Centreon-Server"
```

Required parameters:

Order	Description
1	Host name

5.15.28 Enable

In order to enable an host, use the **ENABLE** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a enable -v "test"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.15.29 Disable

In order to disable a host, use the **DISABLE** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HOST -a disable -v "test"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.16 Host categories

5.16.1 Overview

Object name: **HC**

5.16.2 Show

In order to list available host categories, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a show
id;name;alias;members
1;Linux;Linux Servers;host1
2;Windows;Windows Server;host2
3;AS400;AS400 systems;host3,host4
```

Columns are the following:

Column	Description
Name	Name of host category
Alias	Alias of host category

5.16.3 Add

In order to add a host category, use the **ADD**:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a add -v "Databases;Databases servers"
```

Required parameters are the following:

Order	Description
1	Name of host category
2	Alias of host category

5.16.4 Del

In order to delete a host category, use the **DEL** action. The name is used for identifying the host category you want to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a DEL -v "Databases"
```

5.16.5 Getmember

In order to view the list hosts in a host category, use the **GETMEMBER** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a getmember -v "Linux"
id;name
14;Centreon-Server
15;srv-test
```

5.16.6 Addmember and Setmember

In order to add a host or a host template into a host category, use the **ADDMEMBER** or **SETMEMBER** action where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a addmember -v "Linux;host7"
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a setmember -v "Windows;host7|host8|host9"
```

The needed parameters are the following:

Order	Description
1	Host category name
2	Host names to add/set. For multiple definitions, use the	delimiter

5.16.7 Setseverity

In order to turn a host category into a severity, use the **SETSEVERITY** action:

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a setseverity -v "Critical;3;16x16/critical
```

The needed parameters are the following:

Order	Description
1	Host category name
2	Severity level - must be a number
3	Icon that represents the severity

5.16.8 Unsetseverity

In order to turn a severity into a regular host category, use the **UNSETSEVERITY** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a unsetseverity -v "Critical"
```

The needed parameters are the following:

Order	Description
1	Host category name

5.16.9 Delmember

In order to remove a host or a host template from a host category, use the **DELMEMBER** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a delmember -v "Linux;host7"
[root@centreon ~]# ./centreon -u admin -p centreon -o HC -a delmember -v "Windows;host8"
```

The needed parameters are the following:

Order	Description
1	Host category name
2	Host names to remove from host category

5.17 Host groups

5.17.1 Overview

Object name: **HG**

5.17.2 Show

In order to list available host groups, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HG -a show
id;name;alias
53;Linux-Servers;All linux servers
54;Windows-Servers;All windows servers
55;Networks;All other equipments
56;Printers;All printers
58;Routers;All routers
59;Switchs;All switchs
60;Firewall;All firewalls
61;Unix-Servers;All unix servers
```

www.centreon.com

Columns are the following:

Column	Description
ID	ID
Name	Name
Alias	Alias

5.17.3 Add

In order to add a hostgroup, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HG -a add -v "SAP;SAP servers"
```

The required parameters are the following:

Order	Description
1	Name of host group
2	Alias of host group

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.17.4 Del

In order to delete one hostgroup, use the **DEL** action. The host group name is used for identifying the host group you would like to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HG -a DEL -v "SAP"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.17.5 Setparam

In order to set a specific parameter for a host group, use the **SETPARAM** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HG -a setparam -v "SAP;name;hg1"
[root@centreon ~]# ./centreon -u admin -p centreon -o HG -a setparam -v "SAP;alias;hg2"
```

You may change the following parameters:

Parameter	Description
name	Name
alias	Alias
comment	Comment
activate	*1* when enabled, *0* otherwise
notes	Notes
notes_url	Notes URL
action_url	Action URL
icon_image	Icon image
map_icon_image	Map icon image

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

5.17.6 Getmember

If you want to retrieve the members of a host group, use the **GETMEMBER** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HG -a getmember -v "Linux-Servers"
id;name
34;Centreon-Server
35;srv-web
```

5.17.7 Addmember and Setmember

If you want to add members to a specific host group, use the **SETMEMBER** or **ADDMEMBER** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HG -a setmember -v "Linux-Servers;srv-test|srv-
[root@centreon ~]# ./centreon -u admin -p centreon -o HG -a addmember -v "Linux-Servers;srv-new"
```

Action	Description
set*	Overwrites previous definitions. Use the delimiter	to set multiple members
add*	Appends new members to the existing ones. Use the delimiter	to add multiple members

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.17.8 Delmember

If you want to remove members from a specific host group, use the **DELMEMBER** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o HG -a delmember -v "Linux-Servers;srv-test"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.18 Host group services

5.18.1 Overview

Object name: **HGSERVICE**

Refer to the *SERVICE* object

Note: HGSERVICE works just like SERVICE, you only need to replace the host name with the host group name.

5.19 Instances (Pollers)

5.19.1 Overview

Object name: **INSTANCE**

www.centreon.com

5.19.2 Show

In order to list available instances, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o INSTANCE -a show
id;name;localhost;ip address;activate;status;init script;monitoring engine;bin;stats bin;perfdata;ssh
1;Central;1;127.0.0.1;1;0;/etc/init.d/nagios;NAGIOS;/usr/local/nagios/bin/nagios;/usr/local/nagios/bi
[...]
```

Columns are the following:

Column	Description
ID	ID
Name	Name
Localhost	*1* if it is the main poller, *0* otherwise
IP Address	IP address of the poller
Activate	*1* if poller is enabled, *0* otherwise
Status	*1* if poller is running, *0* otherwise
Init script	Init script path
Monitoring Engine	Engine used on poller: *NAGIOS*, *ICINGA*, *SHINKEN*...
Bin	Path of the Scheduler binary
Stats Bin	Path of the Nagios Stats binary
Perfdata	Path of perfdata file
SSH Port	SSH Port

5.19.3 Add

In order to add an instance you use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o INSTANCE -a add -v "Poller test;10.30.2.55;22;N
```

Required fields are:

Column	Description
Name	
Address	IP address of the poller
SSH Port	SSH port
Monitoring Engine	Engine used on poller: *NAGIOS*, *ICINGA*, *SHINKEN*

5.19.4 Del

If you want to remove an instance, use the **DEL** action. The Name is used for identifying the instance to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o INSTANCE -a del -v "Poller test"
```

5.19.5 Setparam

If you want to change a specific parameter of an instance, use the **SETPARAM** command. The Name is used for identifying the instance to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o INSTANCE -a setparam -v "Poller test;ns_ip_addr
```

Arguments are composed of the following columns:

Order	Column description
1	Name of instance
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
name	
localhost	*1* if it is the main poller, *0* otherwise
ns_ip_address	IP address of the poller
ns_activate	*1* if poller is enabled, *0* otherwise
init_script	Init script path
monitoring_engine	Engine used on poller: *NAGIOS*, *ICINGA*, *SHINKEN*
nagios_bin	Path of the Scheduler binary
nagiostats_bin	Path of the Nagios Stats binary
nagios_perfdata	Path of perfdata file
ssh_port	SSH Port
centreonbroker_cfg_path	Centreon Broker Configuration path
centreonbroker_module_path	Centreon Broker Module path

5.19.6 Gethosts

If you want to list all hosts that are monitored by a poller, use the **GETHOSTS** action. The Name is used for identifying the instance to query:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o INSTANCE -a GETHOSTS -v "Poller test"
14;Centreon-Server;127.0.0.1
17;srv-website;10.30.2.1
```

Returned info is the following:

Order	Description
1	Host ID
2	Host name
3	Host address

5.20 LDAP configuration

5.20.1 Overview

Object name: **LDAP**

5.20.2 Show

In order to list available LDAP configurations, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o LDAP -a show
id;name;description;status
3;ad;my ad conf;1
2;openldap;my openldap conf;1
[...]
```

www.centreon.com

Columns are the following:

Order	Description
1	ID
2	Configuration name
3	Configuration description
4	1 when enabled, 0 when disabled

5.20.3 Add

In order to add an LDAP configuration, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o LDAP -a add -v "my new configuration;my descrip
```

Required fields are:

Order	Description
1	Configuration name
2	Configuration description

5.20.4 Del

If you want to remove an LDAP configuration, use the **DEL** action. The Configuration Name is used for identifying the LDAP configuration to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o LDAP -a del -v "my new configuration"
```

5.20.5 Setparam

If you want to change a specific parameter of an LDAP configuration, use the **SETPARAM** action. The Configuration Name is used for identifying the LDAP configuration to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o LDAP -a SETPARAM -v "my new configuration;descr
```

Parameters use the following order:

Order	Description
1	Configuration to update
2	Parameter key
3	Parameter value

Parameters that you may change are the following:

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY
www.centreon.com

Key	Description
name	Configuration name
description	Configuration description
enable	1 when enabled, 0 when disabled
alias	Alias
bind_dn	Bind DN
bind_pass	Bind password
group_base_search	Group base search
group_filter	Group filter
group_member	Group member
group_name	Group name
ldap_auto_import	Enable or disable auto import (0 or 1)
ldap_contact_tmpl	Contact template to use on import
ldap_dns_use_domain	Use domain or not (0 or 1)
ldap_search_limit	Search size limit
ldap_search_timeout	Timeout delay (in seconds)
ldap_srv_dns	DNS server (only used when ldap_dns_use_domain is set to 1)
ldap_store_password	Store password in database or not (0 or 1)
ldap_template	Possible values: Posix, Active Directory
protocol_version	Protocl version (2 or 3)
user_base_search	User base search
user_email	User email
user_filter	User filter
user_firstname	User firstname
user_lastname	User lastname
user_name	User name
user_pager	User phone number
user_group	User group

5.20.6 Showserver

In order to show the server list of an LDAP configuration, use the **SHOWSERVER** action. The Configuration Name is used for identifying the LDAP configuration to query:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o LDAP -a SHOWSERVER -v "openldap"
id;address;port;ssl;tls;order
2;10.30.2.3;389;0;0;1
```

5.20.7 Addserver

In order to add a server to an LDAP configuration, use the **ADDSERVER** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o LDAP -a ADDSERVER -v "openldap;10.30.2.15;389;(
```

Required parameters are the following:

Order	Description
1	Configuration name
2	Server address
3	Server port
4	Use SSL or not
5	Use TLS or not

www.centreon.com

5.20.8 Delserver

In order to remove a server from an LDAP configuration, use the **DELSERVER** action. The server ID is used for identifying the server to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o LDAP -a DELSERVER -v 2
```

5.20.9 Setparamserver

In order to update the server parameters of an LDAP configuration, use the **SETPARAMSERVER** action. The server ID is used for identifying the server to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o LDAP -a SETPARAMSERVER -v "2;use_ssl;1"
```

Parameters that you may update are the following:

Key	Description	Possible values
host_address	Address of the server	
host_port	Port of the server	
host_order	Priority order in case of failover	
use_ssl	Use SSL or not	0 or 1
use_tls	Use TLS or not	0 or 1

5.21 Nagios CFG

5.21.1 Overview

Object name: **NAGIOSCFG**

5.21.2 Show

In order to list available Nagios conf, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NAGIOSCFG -a show
nagios id;nagios name;instance;nagios comment
1;Nagios CFG 1;Central;Default Nagios.cfg
[...]
```

Columns are the following :

Order	Description
1	Nagios ID
2	Nagios configuration name
3	Instance that is linked to nagios.cfg
4	Comments regarding the configuration file

5.21.3 Add

In order to add a Nagios conf, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NAGIOSCFG -a add -v "Nagios cfg for poller test
```

www.centreon.com

Required fields are:

Order	Description
1	Nagios configuration name
2	Instance that is linked to nagios.cfg
3	Comment regarding the configuration file

5.21.4 Del

If you want to remove a Nagios conf, use the **DEL** action. The name is used for identifying the configuration to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NAGIOSCFG -a del -v "Nagios cfg for poller test
```

5.21.5 Setparam

If you want to change a specific parameter of a Nagios conf, use the **SETPARAM** action. The name is used for identifying the configuration to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NAGIOSCFG -a setparam -v "Nagios cfg for poller
```

Arguments are composed of the following columns:

Order	Column description
1	Name of Nagios configuration
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
nagios_name	Name
instance	Instance that is linked to nagios.cfg
broker_module	example: [...] -v "Nagios CFG 1;broker_module;/usr/local/nagios/bin/ndomod.o config_file=/usr/local/nagios/etc/ndomod.cfg", you can use a | delimiter for defining multiple broker modules
nagios_activate	*1* if activated, *0* otherwise
•	Centreon CLAPI handles pretty much all the options available in a nagios configuration file. Because the list is quite long, it is best to refer to the official documentation of Nagios

5.21.6 Addbrokermodule

If you want to add new broker module without removing existing modules, use the ADDBROKERMODULE::
[root@centreon ~]# ./centreon -u admin -p centreon -o NAGIOSCFG -a addbrokermodule -v "Nagios cfg for poller test;/usr/lib64/centreon-engine/externalcmd.so"

Arguments are composed of the following columns:

Order	Column description
1	Name of Nagios configuration
2	Module name

To add multiple modules in one line, it will put the separator "|" between the name of the modules
[root@centreon ~]# ./centreon -u admin -p centreon -o NAGIOSCFG -a addbrokermodule -v "Nagios cfg for poller test;/usr/lib64/centreon-engine/externalcmd.sol/etc/centreon-broker/central-module.xml"

5.21.7 Delbrokermodule

If you want to delete broker module, use the DELBROKERMODULE:: [root@centreon ~]# ./centreon -u admin -p centreon -o NAGIOSCFG -a delbrokermodule -v "Nagios cfg for poller test;/usr/lib64/centreon-engine/externalcmd.so"

Arguments are composed of the following columns:

Order	Column description
1	Name of Nagios configuration
2	Module name

To delete multiple modules in one line, it will put the separator "|" between the name of the modules
[root@centreon ~]# ./centreon -u admin -p centreon -o NAGIOSCFG -a delbrokermodule -v "Nagios cfg for poller test;/usr/lib64/centreon-engine/externalcmd.sol/etc/centreon-broker/central-module.xml"

5.22 Ndo2db CFG

5.22.1 Overview

Object name: **NDO2DBCFG**

5.22.2 Show

In order to list available Ndo2db CFG, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NDO2DBCFG -a show
id;description;instance;socket type;tcp port;db servertype;db host;db name;db port;db user
1;Principal;Central;tcp;5668;mysql;localhost;centstatus;3306;centreon
[...]
```

Columns are the following :

Column	Description
ID	ID
Description	Description
Instance	Instance that is linked to ndo2db.cfg
Socket Type	Socket type: tcp by default
TCP Port	TCP port
Database Server Type	mysql by default
Database Host	IP Address of database
Database Name	Database name of monitoring table
Database Port	Database port
Database User	Database user name

5.22.3 Add

In order to add an Ndo2db CFG you use the **ADD** action:

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NDO2DBCFG -a add -v "ndo2db for poller test;Pol
```

Required fields are:

Column	Description
Description	Description
Instance	Instance that is linked to ndo2db.cfg

5.22.4 Del

If you want to remove a Ndo2db configuration, use the **DEL** action. The Description is used for identifying the configuration to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NDO2DBCFG -a del -v "ndo2db for poller test"
```

5.22.5 Setparam

If you want to change a specific parameter of an Ndo2db configuration, use the **SETPARAM** action. The Description is used for identifying the configuration to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NDO2DBCFG -a setparam -v "ndo2db for poller tes
```

Parameters are composed of the following columns:

Order	Description
1	Name of Ndo2db configuration
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
description	Description
ndo2db_user	default: nagios
ndo2db_group	default: nagios
socket_type	default: tcp
socket_name	default: /var/run/ndo.sock
tcp_port	default: 5668
db_servertype	default: mysql
db_host	IP Address of database server
db_name	default: centreon_status, name of database
db_port	default: 3306, port of database
db_prefix	default: nagios_, prefix of tables
db_user	database user
db_pass	database password
max_timedevents_age	default: 1440, event history retention retention (minutes)
max_systemcommands_age	default: 1440, command history retention duration (minutes)
max_servicechecks_age	default: 1440, service check history retention duration (minutes)
max_hostchecks_age	default: 1440, host check history retention duration (minutes)
max_eventhandlers_age	default: 1440, event handler history retention duration (minutes)
activate	*1* if activated, *0* otherwise

www.centreon.com

5.23 Ndomod CFG

5.23.1 Overview

Object name: **NDOMODCFG**

5.23.2 Show

In order to list available Ndomod CFG, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NDOMODCFG -a show
id;description;instance;output type;output;tcp port
1;Central-mod;Central;tcpsocket;127.0.0.1;5668
[...]
```

Columns are the following :

Column	Description
ID	ID
Description	Description
Instance	Instance that is linked to ndomod.cfg
Output Type	Can be: *tcpsocket*, *file*, *unixsocket*
Output	Depends on the output type, it can be an IP Address or a file
TCP Port	

5.23.3 Add

In order to add an Ndomod CFG, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NDOMODCFG -a add -v "ndomod for poller test;Pol
```

Required fields are:

Column	Description
Description	Description
Instance	Instance that is linked to ndomod.cfg

5.23.4 Del

If you want to remove a Ndomod configuration, use the **DEL** action. The Description is used for identifying the configuration to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NDOMODCFG -a del -v "ndomod for poller test"
```

5.23.5 Setparam

If you want to change a specific parameter of an Ndomod configuration, use the **SETPARAM** action. The Description is used for identifying the configuration to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o NDOMODCFG -a setparam -v "ndomod for poller tes
```

www.centreon.com

Arguments are composed of the following columns:

Order	Column description
1	Name of ndomod configuration
2	Parameter name
3	Parameter value

Parameters that you may change are:

Parameter	Description
description	Description
output_type	Can be: *tcpsocket*, *file*, *unixsocket*
output	Depends on the output type, it can be an IP Address or a file
instance	Instance that is linked to ndomod.cfg
tcp_port	TCP Port
output_buffer_items	Number of items in output buffer
file_rotation_interval	File rotation interval
file_rotation_timeout	File rotation timeout
reconnect_interval	Reconnect Interval
reconnect_warning_interval	Reconnect Warning Interval
data_processing_options	Data Processing Options, -1 by default
config_output_options	Output options, 3 by default
activate	*1* if activated, *0* otherwise

5.24 Resource CFG

5.24.1 Overview

Object name: **RESOURCECFG**

5.24.2 Show

In order to list available Resource variables, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o RESOURCECFG -a show
id;name;value;comment;activate;instance
1;$USER1$;/usr/local/nagios/libexec;path to the plugins;1;Central
[...]
```

Columns are the following :

Column	Description
ID	ID
Name	Name
Value	Value of $USERn$ macro
Comment	Comment
Activate	*1* when activated, *0* otherwise
Instance	Instances that are tied to the $USERn$ macro

5.24.3 Add

In order to add a resource macro, use the **ADD** action:

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o RESOURCECFG -a add -v "USER2;public;Poller test
```

Required fields are:

Column	Description
Name	Macro name; do not use the $ symbols
Value	Macro value
Instances	Instances that are tied to $USERn$ macro
Comment	Comment

5.24.4 Del

If you want to remove a Resource variable, use the **DEL** action. The ID is used for identifying the variable to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o RESOURCECFG -a del -v "1"
```

5.24.5 Setparam

If you want to change a specific parameter of a Resource macro, use the **SETPARAM** action. The ID is used for identifying the macro to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o RESOURCECFG -a setparam -v "1;instance;Poller t
```

Arguments are composed of the following columns:

Order	Column description
1	Name of resource configuration
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
name	Macro name; do not use the $ symbols
value	Macro value
activate	*1* when activated, *0* otherwise
comment	Comment
instance	Instances that are tied to $USERn$ macro Use delimiter | for multiple instance definitions

5.25 Service templates

5.25.1 Overview

Object name: **STPL**

5.25.2 Show

In order to list available service, use the **SHOW** action:

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a show
id;description;check command;check command arg;normal check interval;retry check interval;max check a
1;generic-service;generic-service;;;5;1;3;1;0
3;Ping-LAN;Ping;check_centreon_ping;!3!200,20%!400,50%;;;;2;2
4;Ping-WAN;Ping;check_centreon_ping;!3!400,20%!600,50%;;;;2;2
5;SNMP-DISK-/;Disk-/;check_centreon_remote_storage;!/!80!90;;;;2;2
6;SNMP-DISK-/var;Disk-/var;check_centreon_remote_storage;!/var!80!90;;;;2;2
7;SNMP-DISK-/usr;Disk-/usr;check_centreon_remote_storage;!/usr!80!90;;;;2;2
8;SNMP-DISK-/home;Disk-/home;check_centreon_remote_storage;!/home!80!90;;;;2;2
9;SNMP-DISK-/opt;Disk-/opt;check_centreon_remote_storage;!/opt!80!90;;;;2;2
```

Columns are the following :

Order	Description
1	Service ID
2	Service Description
3	Check command
4	Check command arguments
5	Normal check interval
6	Retry check interval
7	Maximum check attempts
8	*1* when active checks are enabled, *0* otherwise
9	*1* when passive checks are enabled, *0* otherwise

5.25.3 Add

In order to add a service template, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a add -v "MyTemplate;mytemplate;Ping-LAN'
```

The required fields are:

Order	Description
1	Service template description
2	Alias will be used when services are deployed through host templates
3	Service template; Only one service template can be defined

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.4 Del

In order to remove a service template, use the **DEL** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a del -v "MyTemplate"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.5 Setparam

In order to set a specific parameter for a service template, use the **SETPARAM** action:

www.centreon.com

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a setparam -v "MyTemplate;max_check_atten
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a setparam -v "MyTemplate;normal_check_in
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a setparam -v "MyTemplate;normal_check_in
```

The required fields that you have pass in options are:

Order	Description
1	service template description
2	parameter that you want to update
3	new paramater value

Parameters that may be modified:

Parameter	Description
activate	1 when service is enabled, 0 otherwise
description	Service template description
alias	Service template alias
template	Name of the service template
is_volatile	1 when service is volatile, 0 otherwise
check_period	Name of the check period
check_command	Name of the check command
check_command_arguments	Arguments that go along with the check command, prepend each argument with the '!' characteri
max_check_attempts	Maximum number of attempt before a HARD state is declared
normal_check_interval	value in minutes
retry_check_interval	value in minutes
active_checks_enabled	1 when active checks are enabled, 0 otherwise
passive_checks_enabled	1 when passive checks are enabled, 0 otherwise
contact_additive_inheritance	Enables contact additive inheritance=
cg_additive_inheritance	Enables contactgroup additive inheritance
notification_interval	value in minutes
notification_period	Name of the notification period
notification_options	Status linked to notifications
first_notification_delay	First notification delay in seconds
parallelize_checks	1 when parallelize checks are enabled, 0 otherwise
obsess_over_service	1 when obsess over service is enabled, 0 otherwise
check_freshness	1 when check freshness is enabled, 0 otherwise
freshness_threshold	Service freshness threshold in seconds
event_handler_enabled	1 when event handler is enabled, 0 otherwise
flap_detection_enabled	1 when flap detection is enabled, 0 otherwise
process_perf_data	1 when process performance data is enabled, 0 otherwise
retain_status_information	1 when status information is retained, 0 otherwise
retain_nonstatus_information	1 when non status information is retained, 0 otherwise
stalking_options	Comma separated options: 'o' for OK, 'w' for Warning, 'u' for Unknown and 'c' for Critical
event_handler	Name of the event handler command
event_handler_arguments	Arguments that go along with the event handler, prepend each argument with the "!" character
first_notification_delay	First notification delay in seconds
flap_detection_options	Flap detection options
notes	Notes
notes_url	Notes URL
action_url	Action URL
icon_image	Icon image
icon_image_alt	Icon image alt text
graphtemplate	Graph template namei
comment	Comment

Continued on next page

Table 5.3 – continued from previous page

Parameter	Description
service_notification_options	Notification options (w,u,c,r,f,s)

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.6 Addhosttemplate and Sethosttemplate

You may want to tie a service template to an extra host template. In order to do so, use the **ADDHOSTTEMPLATE** or **SETHOSTTEMPLATE** actions where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a sethosttemplate -v "MyTemplate;generic-
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a addhosttemplate -v "MyTemplate;Linux-Se
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.7 Delhosttemplate

In order to remove the relation between a host template and a service template, use the **DELHOSTTEMPLATE** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a delhosttemplate -v "MyTemplate;Linux-Se
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.8 Getmacro

In order to view the custom macro list of a service template, use the **GETMACRO** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a getmacro -v "MyTemplate"
macro name;macro value;description
$_SERVICETIME$;80;description of macro1
$_SERVICEPL$;400;description of macro2
```

5.25.9 Setmacro

In order to set a macro for a specific service template use the **SETMACRO** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a setmacro -v "MyTemplate;time;80"
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a setmacro -v "MyTemplate;pl;400"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.10 Delmacro

In order to remove a macro from a specific service template, use the **DELMACRO** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a delmacro -v "MyTemplate;time"
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a delmacro -v "MyTemplate;pl"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.11 Getcontact

In order to view the contact list of a service template, use the **GETCONTACT** action:

```
[root@localhost core]# ./centreon -u admin -p centreon -o STPL -a getcontact -v "MyTemplate"
id;name
28;Contact_1
29;Contact_2
```

5.25.12 Addcontact and Setcontact

In order to add a new contact to notification contact list, use **ADDCONTACT** or **SETCONTACT** actions where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a addcontact -v "MyTemplate;User1"
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a setcontact -v "MyTemplate;User1|User2"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.13 Delcontact

In order to remove a contact from the notification contact list, use the **DELCONTACT** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a delcontact -v "MyTemplate;User1"
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a delcontact -v "MyTemplate;User2"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.14 Getcontactgroup

In order to view the contactgroup list of a service template, use the **GETCONTACTGROUP** action:

```
[root@localhost core]# ./centreon -u admin -p centreon -o STPL -a getcontactgroup -v "MyTemplate"
id;name
28;ContactGroup_1
29;ContactGroup_2
```

5.25.15 Setcontactgroup

In order to add a new contactgroup to notification contactgroup list, use the **ADDCONTACTGROUP** or **SETCON-TACTGROUP** actions where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a addcontactgroup -v "MyTemplate;Group1"
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a setcontactgroup -v "MyTemplate;Group1|G
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.16 Delcontactgroup

In order to remove a contactgroup from the notification contactgroup list, use the **DELCONTACTGROUP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a delcontactgroup -v "MyTemplate"
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a delcontactgroup -v "MyTemplate;Group1"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.17 Gettrap

In order to view the trap list of a service template, use the **GETTRAP** action:

```
[root@localhost core]# ./centreon -u admin -p centreon -o "STPL" -a gettrap -v "Ping-LAN"
id;name
48;ciscoConfigManEvent
39;ospfVirtIfTxRetransmit
```

5.25.18 Settrap

In order to add a trap to a service template, use the **ADDTRAP** or **SETTRAP** actions where *add* will append and *set*
will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a addtrap -v "Ping-LAN;snOspfVirtIfConfig
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a settrap -v "Ping-LAN;snOspfVirtNbrState
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.25.19 Deltrap

In order to remove a trap from a service template, use the **DELTRAP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o STPL -a deltrap -v "Ping-LAN;snOspfVirtIfConfig
```

5.26 Services

5.26.1 Overview

Object name: **SERVICE**

www.centreon.com

5.26.2 Show

In order to list available service, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a show
host id;host name;id;description;check command;check command arg;normal check interval;retry check in
14;Centreon-Server;19;Disk-/;;;;;;;2;2;1
14;Centreon-Server;20;Disk-/home;;;;;;;2;2;1
14;Centreon-Server;21;Disk-/opt;;;;;;;2;2;1
14;Centreon-Server;22;Disk-/usr;;;;;;;2;2;1
14;Centreon-Server;23;Disk-/var;;;;;;;2;2;1
14;Centreon-Server;151;Load;;;;;;;2;2;1
14;Centreon-Server;25;Memory;;;;;;;2;2;1
14;Centreon-Server;26;Ping;;;;;;;2;2;0
14;Centreon-Server;40;dummy;check_centreon_dummy;!2!critical;;;;2;2;1
```

Columns are the following:

Column	Description
Host ID	Host ID
Host name	Host name
Service ID	Service ID
Service description	Service description
Check Command	Check command
Command arguments	Check command arguments
Normal check interval	Normal check interval
Retry check interval	Retry check interval
Max check attempts	Maximum check attempts
Active check enable	*1* when active checks are enabled, *0* otherwise
Passive check enable	*1* when passive checks are enabled, *0* otherwise
Activate	*1* when enabled, *0* when disabled

5.26.3 Add

In order to add a service, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a add -v "Host-Test;ping;Ping-LAN"
```

The required fields are:

Order	Description
1	Host name
2	Service description
3	Service template - Only one service template can be defined

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.4 Del

In order to remove a service, use the **DEL** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a del -v "test;ping"
```

The required fields are:

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

Order	Description
1	Host name
2	Service description

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.5 Setparam

In order to set a specific paremeter for a particular service, use the **SETPARAM** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a setparam -v "test;ping;max_check_att
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a setparam -v "test;ping;normal_check_
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a setparam -v "test;ping;normal_check_
```

The required fields are:

Order	Description
1	Host name
2	Service description
3	Paramater that you want to update
4	New parameter value

Parameters that may be modified:

Parameter	Description
activate	*1* when service is enabled, 0 otherwise
description	Description
template	Name of the service template
is_volatile	*1* when service is volatile, *0* otherwise
check_period	Name of the check period
check_command	Name of the check command
check_command_arguments	Arguments that go along with the check command, prepend each argument with the '!' characteri
max_check_attempts	Maximum number of attempt before a HARD state is declared
normal_check_interval	value in minutes
retry_check_interval	value in minutes
active_checks_enabled	*1* when active checks are enabled, *0* otherwise
passive_checks_enabled	*1* when passive checks are enabled, *0* otherwise
notifications_enabled	*1* when notification is enabled, *0* otherwise
contact_additive_inheritance	Enables contact additive inheritance
cg_additive_inheritance	Enables contactgroup additive inheritance
notification_interval	value in minutes
notification_period	Name of the notification period
notification_options	Status linked to notifications
first_notification_delay	First notification delay in seconds
parallelize_checks	*1* when parallelize checks are enabled, *0* otherwise
obsess_over_service	*1* when obsess over service is enabled, *0* otherwise
check_freshness	*1* when check freshness is enabled, *0* otherwise
freshness_threshold	Value in seconds
event_handler_enabled	*1* when event handler is enabled, *0* otherwise
flap_detection_enabled	*1* when flap detection is enabled, *0* otherwise
process_perf_data	*1* when process performance data is enabled, *0* otherwise
retain_status_information	*1* when status information is retained, *0* otherwise
retain_nonstatus_information	*1* when non status information is retained, *0* otherwise
event_handler	Name of the event handler command

Continued on next page

Table 5.4 – continued from previous page

Parameter	Description
event_handler_arguments	Arguments that go along with the event handler, prepend each argument with the '!' character
flap_detection_options	Flap detection options
notes	Notes
notes_url	Notes URL
action_url	Action URL
icon_image	Icon image
icon_image_alt	Icon image alt text
comment	Comment
service_notification_options	Notification options (w,u,c,r,f,s)

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.6 Addhost and Sethost

You may want to tie a service to an extra host. In order to do so, use the **ADDHOST** or **SETHOST** actions where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a sethost -v "host1;ping;host2"
```

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a addhost -v "host1;ping;host2"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.7 Delhost

In order to remove the relation between a host and a service, use the **DELHOST** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a delhost -v "host1;ping;host2"
```

The service ping which was originally linked to host1 and host2 is now only linked to host1.

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.8 Getmacro

In order to view the custom macro list of a service, use the **GETMACRO** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a getmacro -v "host1;ping"
macro name;macro value;is_password;description
$_SERVICETIME$;80;0;description of macro
$_SERVICEPL$;400;0;description of macro
```

5.26.9 Setmacro

In order to set a macro for a specific service use the **SETMACRO** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a setmacro -v "test;ping;time;80;0;des
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a setmacro -v "test;ping;pl;400;0;desc
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.10 Delmacro

In order to remove a macro from a specific service use the **DELMACRO** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a delmacro -v "test;ping;time"
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a delmacro -v "test;ping;pl"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.11 Setseverity

In order to associate a severity to a service, use the **SETSEVERITY** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a setseverity -v "Centreon-Server;ping
```

Required parameters:

Order	Description
1	Host name
2	Service description
3	Severity name

5.26.12 Unsetseverity

In order to remove the severity from a service, use the **UNSETSEVERITY** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a unsetseverity -v "Centreon-Server;pi
```

Required parameters:

Order	Description
1	Host name
2	Service description

5.26.13 Getcontact

In order to view the contact list of a service, use the **GETCONTACT** action:

```
[root@localhost core]# ./centreon -u admin -p centreon -o "SERVICE" -a getcontact -v "Centreon-Server
id;name
28;Contact_1
29;Contact_2
```

5.26.14 Addcontact and Setcontact

In order to add a new contact to notification contact list, use the **ADDCONTACT** or **SETCONTACT** actions where
add will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a addcontact -v "test;ping;User1"
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a setcontact -v "test;ping;User1|User2
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.15 Delcontact

In order to remove a contact from the notification contact list, use the **DELCONTACT** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a delcontact -v "test;ping;User1"
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a delcontact -v "test;ping;User2"
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.16 Getcontactgroup

In order to view the contact group list of a service, use the **GETCONTACTGROUP** action:

```
[root@localhost core]# ./centreon -u admin -p centreon -o "SERVICE" -a getcontactgroup -v "Centreon-S
id;name
28;ContactGroup_1
29;ContactGroup_2
```

5.26.17 Addcontactgroup and Setcontactgroup

In order to add a new contactgroup to notification contactgroup list, use the **ADDCONTACTGROUP** or **SETCON-
TACTGROUP** actions where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a addcontactgroup -v "test;ping;Group1
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a setcontactgroup -v "test;ping;Group1
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.18 Delcontactgroup

In order to remove a contactgroup from the notification contactgroup list, use **DELCONTACTGROUP** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a delcontactgroup -v "test;ping;Group1
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a delcontactgroup -v "test;ping;Group2
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

MERETHIS 12 AVENUE RASPAIL FR94290 GENTILLY

www.centreon.com

5.26.19 Gettrap

In order to view the trap list of a service, use the **GETTRAP** action:

```
[root@localhost core]# ./centreon -u admin -p centreon -o "SERVICE" -a gettrap -v "Centreon-Server;P:
id;name
48;ciscoConfigManEvent
39;ospfVirtIfTxRetransmit
```

5.26.20 Addtrap and Settrap

In order to add a new trap, use the **ADDTRAP** or **SETTRAP** actions where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a addtrap -v "test;ping;snOspfVirtIfC
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a settrap -v "test;ping;snOspfVirtNbrS
```

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.26.21 Deltrap

In order to remove a trap from a service, use the **DELTRAP** command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SERVICE -a deltrap -v "test;ping;snOspfVirtIfC
```

5.27 Service groups

5.27.1 Overview

Object name: **SG**

5.27.2 Show

In order to list available servicegroups, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a show
id;name;alias
11;Alfresco;Alfresco Services
```

5.27.3 Add

In order to add a servicegroup, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a ADD -v "Alfresco;Alfresco Services"
```

Required fields are:

Order	Description
1	Name of service group
2	Alias of service group

www.centreon.com

5.27.4 Del

In order to remove a servicegroup, use the **DEL** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a del -v "Alfresco"
```

5.27.5 Setparam

In order to change parameters for a servciegroup, use the **SETPARAM** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a setparam -v "SG1;name;Web Service"
```

You can change the following parameters:

Parameter	Description
activate	*1* when service is enabled, 0 otherwise
name	Name of service group
alias	Alias of service group
comment	Comments regarding service group

5.27.6 Getservice and Gethostgroupservice

In order to view the members of a service group, use the **GETSERVICE** or **GETHOSTGROUPSERVICE** actions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a getservice -v "Web-Access"
host id;host name;service id;service description
14;Centreon-Server;28;http
14;Centreon-Server;29;TCP-80

[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a gethostgroupservice -v "Web-Access"
hostgroup id;hostgroup name;service id;service description
22;Web group;31;mysql
```

5.27.7 Addservice, Setservice, Addhostgroupservice and Sethostgroupservice

In order to add a new element to a specific service group, you can use **ADDSERVICE**, **SETSERVICE**, **ADDHOST-GROUPSERVICE**, **SETHOSTGROUPSERVICE** where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a addservice -v "Web-Access;www.centreon.co
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a setservice -v "Web-Access;www.centreon.co
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a sethostgroupservice -v "Web-Access;web g
```

Note: *hostgroupservice* is a service by hostgroup

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.27.8 Delservice and Delhostgroupservice

In order to remove a service from a service group, use the **DELSERVICE** or **DELHOSTGROUPSERVICE** actions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a delservice -v "Web-Access;www.centreon.co
[root@centreon ~]# ./centreon -u admin -p centreon -o SG -a delhostgroupservice -v "Web-Access;Web gr
```

Note: *hostgroupservice* is a service by hostgroup

Note: You need to generate your configuration file and restart monitoring engine in order to apply changes.

5.28 Service categories

5.28.1 Overview

Object name: **SC**

5.28.2 Show

In order to list available service categories, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a show
id;name;description
1;Ping;ping
2;Traffic;traffic
3;Disk;disk
```

Columns are the following:

Column	Description
Name	Name of service category
Description	Description of service category

5.28.3 Add

In order to add a service category, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a ADD -v "Alfresco;Alfresco Services"
```

Required parameters are:

Column	Description
Name	Name of service category
Description	Description of service category

---

www.centreon.com

5.28.4 Del

In order to remove a service category, use the **DEL**:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a del -v "Alfresco"
```

5.28.5 Setparam

In order to change parameters for a service category, use the **SETPARAM** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a setparam -v "SG1;name;Web Service"
```

You can change the following parameters:

Parameter	Description
Name	Name of service category
Description	Description of service category

5.28.6 Getservice and Getservicetemplate

In order to view the member list of a service category, use the **GETSERVICE** or **GETSERVICETEMPLATE** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a getservice -v "Ping-Category"
host id;host name;service id;service description
14;Centreon-Server;27;Ping
27;srv-web;42;Ping

[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a getservicetemplate -v "Ping-Category"
template id;service template description
22;Ping-LAN
23;Ping-WAN
```

5.28.7 Addservice, Setservice , Addservicetemplate and Setservicetemplate

In order to add a new element to a specific service category, you use the following actions: *ADDSERVICE**, **SET-SERVICE**, **ADDSERVICETEMPLATE**, where *add* will append and *set* will overwrite previous definitions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a addservice -v "Ping-Category;my host,my s

[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a addservicetemplate -v "Ping-Category;my t
```

5.28.8 Delservice and Delservicetemplate

In order to remove a service from a specific service category, use the **DELSERVICE** OR **DELSERVICETEM-PLATE** actions:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a delservice -v "Ping-Category;my host,my s

[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a delservicetemplate -v "Ping-Category;my t
```

www.centreon.com

5.28.9 Setseverity

In order to turn a service category into a severity, use the **SETSEVERITY** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a setseverity -v "Critical;3;16x16/critical
```

The needed parameters are the following:

Order	Description
1	Service category name
2	Severity level - must be a number
3	Icon that represents the severity

5.28.10 Unsetseverity

In order to turn a severity into a regular service category, use the **UNSETSEVERITY** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SC -a unsetseverity -v "Critical"
```

The needed parameters are the following:

Order	Description
1	Service category name

5.29 Settings

5.29.1 Overview

Object name: **Settings**

5.29.2 Show

In order to list editable settings, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SETTINGS -a show
parameter;value
broker;ndo
broker_correlator_script;
centstorage;1
debug_auth;0
debug_ldap_import;0
debug_nagios_import;0
debug_path;/var/log/centreon/
debug_rrdtool;0
enable_autologin;1
enable_gmt;0
enable_logs_sync;1
enable_perfdata_sync;1
gmt;1
interval_length;60
mailer_path_bin;/bin/mail
nagios_path_img;/usr/share/nagios/html/images/logos/
perl_library_path;/usr/local/lib
rrdtool_path_bin;/usr/bin/rrdtool
```

```
snmpttconvertmib_path_bin;/usr/share/centreon/bin/snmpttconvertmib
snmptt_unknowntrap_log_file;snmptrapd.log
```

5.29.3 Setparam

If you want to change a specific parameter of a Vendor, use the **SETPARAM** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o SETTINGS -a setparam -v ";"
```

Arguments are composed of the following columns:

Order	Column description
1	Parameter name
2	Parameter value

Parameters that you may change are:

Column	Description	Possible values and examples
broker	Broker engine	'broker' for Centreon Broker, 'ndo' for NDOUtils
broker_correlator_script	This parameter is misleading (subject to changes) Refers to the Centreon Broker init script	i.e: /etc/init.d/cbd
centstorage	Enable/disable CentStorage	Enable: '1', Disable: '0'
debug_auth	Enable/disable authentication debug	Enable: '1', Disable: '0'
debug_ldap_import	Enable/disable LDAP debug	Enable: '1', Disable: '0'
debug_nagios_import	Enable/disable Nagios configuration import	Enable: '1', Disable: '0'
debug_path	Debug log files directory	i.e: /var/log/centreon/
debug_rrdtool	Enable/disable RRDTool debug	Enable: '1', Disable: '0'
enable_autologin	Enable/disable autologin	Enable: '1', Disable: '0'
enable_gmt	Enable/disable GMT management	Enable: '1', Disable: '0'
enable_logs_sync	Enable/disable CentCore log synchronization (not necessary when using Centreon Broker)	Enable: '1', Disable: '0'
enable_perfdata_sync	Enable/disable Centcore PerfData synchronization (not necessary when using Centreon Broker)	Enable: '1', Disable: '0'
gmt	GMT timezone of monitoring system	i.e: 2 (for GMT+2)
interval_length	Monitoring interval length in seconds (default: 60)	i.e: 120
mailer_path_bin	Mail client bin path	i.e: /bin/mail
nagios_path_img	Nagios image path	i.e: /usr/share/nagios/html/images/logos/
perl_library_path	Perl library path	i.e: /usr/local/lib
rrdtool_path_bin	RRDTool bin path	i.e: /usr/bin/rrdtool
snmpttconvertmib_path_bin	SNMPTT mib converter bin path	i.e: /usr/share/centreon/bin/snmpttconvertmib
snmptt_unknowntrap_log_file	SNMPTT unknown trap log file	i.e: snmptrapd.log

www.centreon.com

5.30 Time periods

5.30.1 Overview

Object name: **TIMEPERIOD**

5.30.2 Show

In order to list available time periods, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TIMEPERIOD -a show
id;name;alias;sunday;monday;tuesday;wednesday;thursday;friday,saturday
1;24x7;24_Hours_A_Day,_7_Days_A_Week;00:00-24:00;00:00-24:00;00:00-24:00;00:00-24:00;00:00-24:00;00:0
2;none;No Time Is A Good Time;;;;;;;
3;nonworkhours;Non-Work Hours;00:00-24:00;00:00-09:00,17:00-24:00;00:00-09:00,17:00-24:00;00:00-09:00
4;workhours;Work hours;;09:00-17:00;09:00-17:00;09:00-17:00;09:00-17:00;09:00-17:00;
```

5.30.3 Add

In order to add a Time Period, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TIMEPERIOD -a add -v "Timeperiod_Test;Timeperio
```

Required fields are:

Order	Description
1	Name
2	Alias

5.30.4 Del

If you want to remove a Time Period, use the **DEL** action. The Name is used for identifying the Time Period to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TIMEPERIOD -a del -v "Timeperiod_Test"
```

5.30.5 Setparam

If you want to change a specific parameter of a time period, use the **SETPARAM** action. The Name is used for identifying the Time Period to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TIMEPERIOD -a setparam -v "Timeperiod_Test;mono
```

Arguments are composed of the following columns:

Order	Column description
1	Name of time period
2	Parameter name
3	Parameter value

Parameters that you may change are:

www.centreon.com

Column	Description
name	Name
alias	Alias
sunday	Time Period definition for Sunday
monday	Time Period definition for Monday
tuesday	Time Period definition for Tuesday
wednesday	Time Period definition for Wednesday
thursday	Time Period definition for Thursday
friday	Time Period definition for Friday
saturday	Time Period definition for Saturday
include	example: [...] -v "Timeperiod_Test;include;workhours"; Use delimiter | for multiple inclusion definitions
exclude	example: [...] -v "Timeperiod_Test;exclude;weekend" use delimiter | for multiple exclusion definitions

5.30.6 Getexception

In order to view the exception list of a time period, use the **GETEXCEPTION** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TIMEPERIOD -a getexception -v "mytimeperiod"
days;timerange
january 1;00:00-00:00
december 25;00:00-00:00
```

5.30.7 Setexception

In order to set an exception on a timeperiod, use the **SETEXCEPTION** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TIMEPERIOD -a setexception -v "mytimeperiod;jan
```

Note: If exception does not exist, it will be created, otherwise it will be overwritten.

5.30.8 Delexception

In order to delete an exception, use the **DELEXCEPTION** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TIMEPERIOD -a delexception -v "mytimeperiod;jan
```

Arguments are composed of the following columns:

Order	Column description
1	Name of timeperiod
2	Exception to remove from timeperiod

5.31 Traps

5.31.1 Overview

Object name: **TRAP**

www.centreon.com

5.31.2 Show

In order to list available traps, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TRAP -a show
id;name;oid;manufacturer
576;alertSystemUp;.1.3.6.1.4.1.674.10892.1.0.1001;Dell
577;alertThermalShutdown;.1.3.6.1.4.1.674.10892.1.0.1004;Dell
578;alertTemperatureProbeNormal;.1.3.6.1.4.1.674.10892.1.0.1052;Dell
599;alertFanEnclosureInsertion;.1.3.6.1.4.1.674.10892.1.0.1452;Dell
600;alertFanEnclosureRemoval;.1.3.6.1.4.1.674.10892.1.0.1453;Dell
601;alertFanEnclosureExtendedRemoval;.1.3.6.1.4.1.674.10892.1.0.1454;Dell
602;alertLogNormal;.1.3.6.1.4.1.674.10892.1.0.1552;Dell
605;ccmCLIRunningConfigChanged;.1.3.6.1.4.1.9.9.43.2.0.2;Cisco
[...]
```

5.31.3 Add

In order to add a trap, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TRAP -a add -v "aNewTrap;.1.3.6.1.4.1.11.2.3.9
```

Required fields are:

Order	Description
1	Trap name
2	OID of the SNMP Trap

5.31.4 Del

If you want to remove a Trap, use the **DEL** action. The Name is used for identifying the Trap to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TRAP -a del -v "aNewTrap"
```

5.31.5 Setparam

If you want to change a specific parameter of a Trap, use the **SETPARAM** command. The Name is used for identifying the Trap to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TRAP -a setparam -v "aNewTrap;vendor;3com"
```

Arguments are composed of the following columns:

Order	Column description
1	Name of Trap
2	Parameter name
3	Parameter value

Parameters that you may change are:

www.centreon.com

Column	Description	Possible values
name	Name	
comments	Comments	
output	Output	
oid	OID	
status	Status	*ok*, *warning*, *critical*, *unknown* or *0*, *1*, *2*, *3*
vendor	Vendor name	A valid vendor name
matching_mode	Advanced regexp matching mode	*1* to enable, *0* to disable
reschedule_svc_enable	Whether or not will reschedule service check when trap is received	*1* to enable, *0* to disable
execution_command	Command to be executed when trap is received	A valid Unix command line
execution_command_enable	Whether or not will execute the 'execution_command'	*1* to enable, *0* to disable
submit_result_enable	Whether or not will submit result to Service	*1* to enable, *0* to disable

5.31.6 Getmatching

In order to display the list of matching rules defined for a specific trap, use the **GETMATCHING** command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TRAP -a getmatching -v "aNewTrap"
id;string;regexp;status;order
8;@OUTPUT@;/test/;UNKNOWN;1
```

Column	Description
ID	ID of the matching rule
String	String to match
Regexp	Matching Regular Expression
Status	Status to submit
Order	Priority order of the matching rule

5.31.7 Addmatching

In order to add a matching rule, use the **ADDMATCHING** command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TRAP -a addmatching -v "aNewTrap;@OUTPUT@;/test
```

Required fields are:

Order	Description	Possible values
1	Trap name	
2	String to match	
3	Matching Regular Expression	
4	Status to submit	*ok*, *warning*, *critical*, *unknown* or *0*, *1*, *2*, *3*

5.31.8 Delmatching

In order to delete a matching rule, use the **DELMATCHING** command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TRAP -a delmatching -v "8"
```

Required fields are:

Column	Description
ID	ID of the matching rule

www.centreon.com

5.31.9 Updatematching

In order to delete a matching rule, use the **UPDATEMATCHING** command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o TRAP -a updatematching -v "8;status;critical"
```

Arguments are composed of the following columns:

Order	Column description
1	ID of the matching rule
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description	Possible values
string	String to match	
order	Priority order	
status	Status to submit	*ok*, *warning*, *critical*, *unknown* or *0, 1, 2, 3*
regexp	Matching Regular Expression	

5.32 Vendors

5.32.1 Overview

Object name: **VENDOR**

5.32.2 Show

In order to list available vendors, use the **SHOW** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o VENDOR -a show
id;name;alias
1;Cisco;Cisco Networks
2;HP;HP Networks
3;3com;3Com
4;Linksys;Linksys
6;Dell;Dell
7;Generic;Generic
9;Zebra;Zebra
11;HP-Compaq;HP and Compaq Systems
```

5.32.3 Add

In order to add a Vendor, use the **ADD** action:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o VENDOR -a add -v "DLink;DLink routers"
```

Required fields are:

Order	Description
1	Name
2	Alias

www.centreon.com

5.32.4 Del

If you want to remove a Vendor, use the **DEL** action. The Name is used for identifying the Vendor to delete:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o VENDOR -a del -v "DLink"
```

5.32.5 Setparam

If you want to change a specific parameter of a Vendor, use the **SETPARAM** command. The Name is used for identifying the Vendor to update:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o VENDOR -a setparam -v "3com;name;HP"
```

Arguments are composed of the following columns:

Order	Column description
1	Name of Vendor
2	Parameter name
3	Parameter value

Parameters that you may change are:

Column	Description
name	Name
alias	Alias
description	Description

5.32.6 Generatetraps

It is possible to generate new SNMP traps from a given MIB file. In order to do so, use the **GENERATETRAPS** command:

```
[root@centreon ~]# ./centreon -u admin -p centreon -o VENDOR -a generatetraps -v "3com;/usr/share/myr
[...]
Done

Total translations:      10
Successful translations:  10
Failed translations:       0
```

Note: Make sure to put all the mib file dependencies in the /usr/share/snmp/mibs/ directory before starting the generation. Then, remove them when it is done.

Required fields are:

Column	Description
Name	Name of Vendor
Mib file	File path of .mib

www.centreon.com

Import/Export

6.1 Export

At some point, you might need to export all of the object configuration parameters into a plain text file, either for synchronizing or backuping purpose. This export feature is ran like this:

```
[root@centreon ~]# ./centreon -u admin -p centreon -e > /tmp/clapi-export.txt
```

This will generate CLAPI commands and redirect them to the */tmp/clapi-export.txt* file.

This file can now be read by the import command.

With this, you can also build your own CLAPI command file if you know the straight forward syntax.

For instance::

```
HOST;ADD;Host-Test1;Test host;127.0.0.1;generic-host;Local Poller;Linux
HOST;ADD;Host-Test2;Test host;127.0.0.1;generic-host;Local Poller;Linux
HOST;ADD;Host-Test3;Test host;127.0.0.1;generic-host;Local Poller;Linux
HOST;ADD;Host-Test4;Test host;127.0.0.1;generic-host;Local Poller;Linux
HOST;ADD;Host-Test5;Test host;127.0.0.1;generic-host;Local Poller;Linux
```

6.2 Import

You can import configuration from the exported file */tmp/clapi-export*

```
[root@centreon ~]# ./centreon -u admin -p centreon -i /tmp/clapi-export.txt
```

In case you have a very large export file, it is advised to redirect the output of the above command to a file. Indeed, when errors occur during the import process, CLAPI will print out an error message along with the line number of the file, you might need to store those output message for troubleshooting later on.

You can build your own CLAPI command file if you know the straight forward syntax. You can use parameter described in Object Management with the syntax you can see in export files

```
OBJECT;AACTION;Parameter1;Parameter2;Parameter3;...
```