NagiosQL 3.2

Installation

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1 Installation

1.1 Prerequisites

NagiosQL is a web application and requires a running web server including PHP support and a database server.

- Apache web server
- MySQL Server version 4.1 or above
- PHP version 5.2 or above
- Nagios 2.x or 3.x
- additional PHP modules:
 - session
 - MySQL (php5-mysql)
 - gettext
 - filter
 - ftp (optional for FTP connections to remote servers)
 - SSH (PECL module optional for SSH/SCP connections to remote servers)

1.2 Prepare directory structure

NagiosQL stores the Nagios configuration files in a separate directory structure. This should preferably be created by a super user (root). Where the files are stored is left to the administrator, in this guide we will use the folder /etc/nagiosql. Please note that this directory structure has to be added to the Nagios configuration file nagios.cfg later on so Nagios can find its own configuration files.

This directory structure has to be created on the server running Nagios.

```
# mkdir /etc/nagiosql
# mkdir /etc/nagiosql/hosts
# mkdir /etc/nagiosql/services
# mkdir /etc/nagiosql/backup
# mkdir /etc/nagiosql/backup/hosts
# mkdir /etc/nagiosql/backup/services
```

This way NagiosQL will store all configuration files below /etc/nagiosql. Host configurations will be stored in /etc/nagiosql/hosts, service configurations in /etc/nagiosql/services. The backup structure will hold the previous version of a configuration file.

NagiosQL will run as a web application so you have to make sure that the web server daemon has write permissions on these folders if this is a local installation. Furthermore the Nagios daemon must have read permissions. If the users of both daemons are unknown you can use the following commands:

The user running the web server daemon is wwwrun.

```
# ps -ef | grep nagios
nagios 2902 1 0 Jun22 ? 00:05:39 /usr/sbin/nagios -d /etc/nagios/nagios.cfg
```

The user running the Nagios daemon is nagios but in this case we need the group.

```
# id nagios
uid=111(nagios) gid=111(nagios) groups=111(nagios)
```

The group of the user running the Nagios daemon is called **nagios** as well.

Now we can set the permissions of the structure as follows:

```
# chown -R wwwrun.nagios /etc/nagiosql
```

Alternatively the permissions can be set to 750 (directories), and 640 (cfg files), respectively.

Using remote Nagios installations being administered by NagiosQL via FTP or SSH/SCP this directory structure has to be created on the remote system. Then instead of the web server daemon user you have to set write permissions on the directories for the user accessing via FTP or SSH/SCP.

1.3 Nagios configuration files

NagiosQL needs read/write permissions on some Nagios configuration files as well. The following files are affected::

```
Nagios main configuration file: nagios.cfg (write permissions)
Nagios CGI configuration file: cgi.cfg (write permissions)
Nagios process file: nagios.pid or nagios.lock (read permissions)
Nagios command pipe: nagios.cmd (write permissions)
```

The location of these files can be determined using the "find" command:

```
# find / -name nagios.cfg
/etc/nagios/nagios.cfg
# find / -name cgi.cfg
/etc/nagios/cgi.cfg
# find / -name nagios.pid
/var/run/nagios.pid
# find / -name cgi.cfg
/var/spool/nagios/nagios.cmd
```

Please note that the web server daemon and the Nagios daemon have to get the necessary permissions. This can be accomplished in several ways via user/group permissions. Following an example for a local installation:

```
# chown -R wwwrun.nagios /etc/nagios/nagios.cfg
# chown -R wwwrun.nagios /etc/nagios/cgi.cfg
# chown -R wwwrun.nagios /var/spool/nagios/nagios.cmd
# chmod 640 /etc/nagios/nagios.cfg
# chmod 640 /etc/nagios/cgi.cfg
# chmod 660 /var/spool/nagios/nagios.cmd
```

Read permissions on the process file are normally achieved via standard permissions 644 but in this case the path should be remembered. All other paths should be jotted down as well so you can fill them in into the NagiosQL configuration domain.

1.4 Prepare Apache configuration

Now a web server directory has to be created where the NagiosQL web application can be installed later on. This guide will use **/opt/nagiosql**.

```
# mkdir /opt/nagiosql
# chown wwwrun /opt/nagiosql
```

The setting of two options in **php.ini** of the Apache web server should be verified (using openSuSE/SLES the location is **/etc/php5/apache/php.ini**, Fedora, CentOS **/etc/php.ini**, Debian **/etc/php5/apache2/php.ini**):

```
file_uploads = On
session.auto_start = 0
date.timezone = "Europe/Zurich" (bzw. "Europe/Berlin" oder "Europe/London" etc.)
```

Please create a configuration file for the web server. The location differs between distributions. Using openSuSE/SLES/Debian the location is /etc/apache2/conf.d, Fedora, CentOS /etc/httpd/conf.d.

```
# touch /etc/apache2/conf.d/nagiosql.conf
```

The file can be modified using your favourite editor (e.g. vi) and should have the following contents:

```
# NAGIOSQL SAMPLE CONFIG SNIPPETS FOR APACHE WEB SERVER
# Last Modified: 03-24-2011
# This file contains examples of entries that need
# to be incorporated into your Apache web server
# configuration file. Customize the paths, etc. as
# needed to fit your system.
Alias /nagiosql "/opt/nagiosql"
<Directory "/opt/nagiosgl">
     Options None
     AllowOverride None
     Order allow, deny
     Allow from all
     # Order deny,allow
     # Deny from all
      Allow from 127.0.0.1
     # AuthName "NagiosQL Access"
     # AuthType Basic
     # AuthUserFile /etc/nagiosql/auth/nagiosql.users
       Require valid-user
</Directory>
```

If you want to use basic Apache authentication the lines in red have to be activated, the blue ones deactivated. The path to AuthUserFile has to be adapted to your environment. Besides basic authentication you can use every other authentication method supported by Apache (LDAP/Kerberos/MySQL/etc.) – please consult the Apache documentation for details.

Please verify that Apache processes these *.conf files at all. This might be done via http.conf or using a suitable VirtualHost configuration:

```
Include /etc/apache2/conf.d/nagiosql.conf
```

Don't forget to create the web folder, test the new configuration and activate the changes:

```
# rcapache2 configtest
# rcapache2 restart
```

1.5 Install PHP modules (SSH)

If PHP modules are missing (prerequisites or installer), they have to be installed before continuing. In most cases this is possible using the tools included in your distribution (YaST/apt-get/rpm). A special case is the SSH module. Following some instructions on how to install SSH for NagiosQL.

To install the SSH module the tool PECL is needed. Normally this can be installed using the package tool (YaST/apt-get/rpm).

If PECL is installed it can be called issuing:

```
# pecl
```

Without any parameters some help text is shown. If the system is behind a proxy server, it might be necessary to configure PECL to use it:

```
# pecl config-set http_proxy http://proxy.myserver.tld:8080
# pecl config-show
```

Now the SSH module can be installed:

```
# pecl install ssh2
```

Then is has to be included in php.ini. Don't forget to restart Apache:

```
extension = ssh2.so
# rcapache2 restart
```

The setup of a user for SSH is shown later on in this guide.

1.6 Install NagiosQL

Now you can install NagiosQL into the new web folder. Please copy it to /opt (not /opt/nagiosql) and unpack it:

```
# cd /opt
# gunzip -c nagiosql_320.tar.gz | tar xf -
# mv nagiosql32 nagiosql
# chown -R wwwrun /opt/nagiosql
# chmod 750 /opt/nagiosql/config
```

Now NagiosQL should be reachable via your web browser:

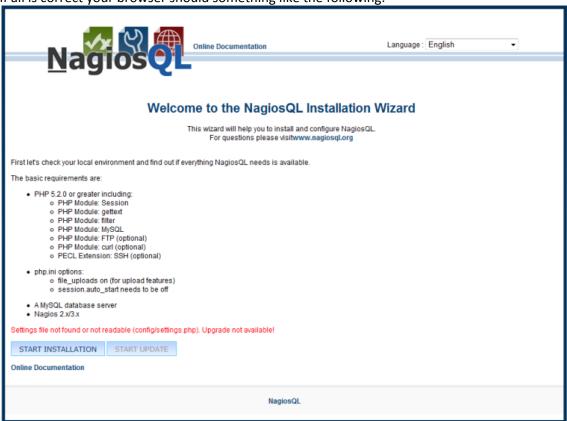
http://localhost/nagiosql http://mein.virtualhost.tld/nagiosql

1.7 NagiosQL installer (new installation)

Normally the installer is started automatically during the first call of NagiosQL. You might start it manually as well:

http://localhost/nagiosql/install/index.php

If all is correct your browser should something like the following:



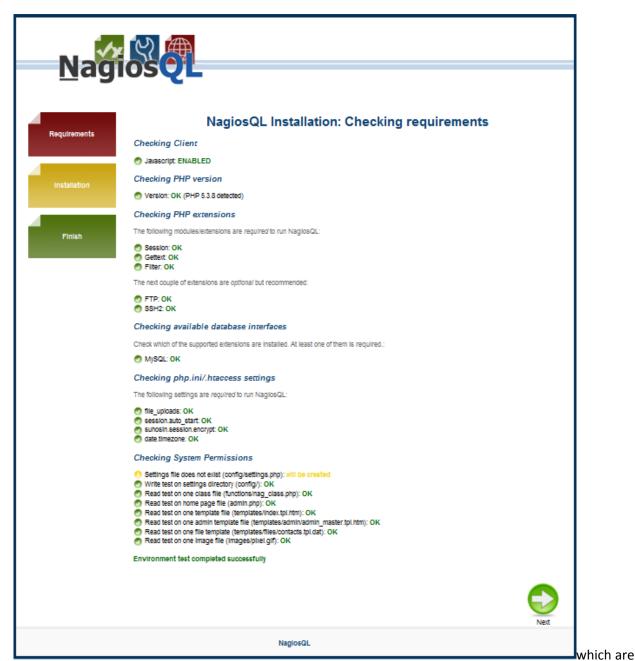
This page just shows a short list of the current prerequisites for the installation of NagiosQL. Additionally it is possible to select your favourite language.

START UPDATE is only available if a valid version of settings.php of a previous version is copied to /opt/nagiosql/config. The update is described later on in 1.8.

Click **START INSTALLATION** to continue.

Next are the environment tests divided into seven sections.

The following image shows an executable environment:



Checking Client:

It is checked if the browser processes JavaScript and if this is activated. Some browser add-ons can disable JavaScript – if this is the case JavaScript has to be enabled for NagiosQL explicitly.

Checkin PHP version:

It is checked if the PHP version is adequate. If this is not the case you have to update your PHP version. Consult the documentation of your distribution for details.

Checking PHP extensions:

The first PHP extensions are mandatory. Missing ones must be installed to be able to use NagiosQL. The optional extensions only have to be installed if you want to use the appropriate options of NagiosQL.

Checking available database connections:

NagiosQL requires at least one PHP module to interface with a database (e.g. module MySQL).

Checking php.ini/.htaccess settings:

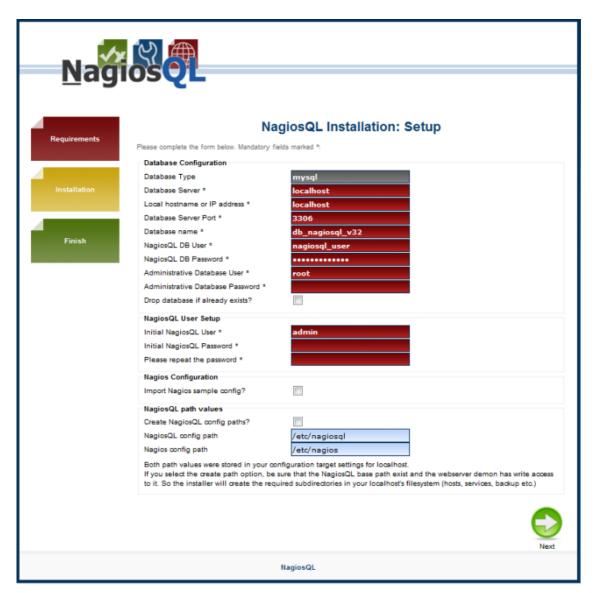
It is checked if the required settings in php.ini are correct (see 1.4)

Checking System Permissions:

It is checked if all NagiosQL files are readable/writeable. At the most some permissions have to be modified. If you followed this guide all settings should be correct already.

You can recheck the environment by calling install/index.php and clicking START INSTALLATION once again.

If all tests are successful you can click on "Next" to get to the next page:



On this page the information for the database server is specified.

Database Type: Select the database type (not yet active in 3.2.0)

Database Server: Host name of the database server

Local hostname or IP address: Host name or IP address of the web server

Important: if the database server is not running on the same system as the web server the entry "local

hostname" is used to specify the access (source) for the database server!

(allow access for: nagiosql_user@webserver)

Database Server Port: TCP port of the database server daemon

Database name: Name of the database to be created for NagiosQL

NagiosQL Database User:

NagiosQL Database Password:

User name for the NagiosQL database

Password of the NagiosQL database user

The NagiosQL database user will not exist during a new installation and will be created according the information given here.

Administrative Database User: Admin user
Administrative Database Passwort: Admin password

The administrative user (e.g. root) has to exist already and must have sufficient rights to create a new database and a user which will be given access to the new database. The data of the administrative user will NOT be stored in NagiosQL – it will only be used to create the database.

Drop database if already exists: Delete a database with the same name (Attention)

Initial NagiosQL User: NagiosQL admin user (admin)
Initial NagiosQL Password: NagiosQL admin password

Administrative user for login to the NagiosQL web application. This user cannot be deleted later on.

"Import Nagios sample config" would import some sample data into the database.

"Create NagiosQL config paths" creates a directory structure as decribed in 1.2 (which isn't necessary anymore if you following this guide). One requirement would be that the NagiosQL config directory is writeable for the webserver daemon. A modification of UID/GID is not possible so it has to be done later on manually.

NagiosQL config path: Base directory for the config files

Nagios config path: Base directory for the Nagios config files (contains nagios.cfg)

This information is used to preconfigure the "localhost" domain.

If all information was entered correctly and the database could be created, you get the following output:



Afterwards the directory /opt/nagiosql/install should be deleted.

rm -rf /opt/nagiosql/install

After successful installation some base configurations within NagiosQL have to be checked or set. The next chapter deals with this task.

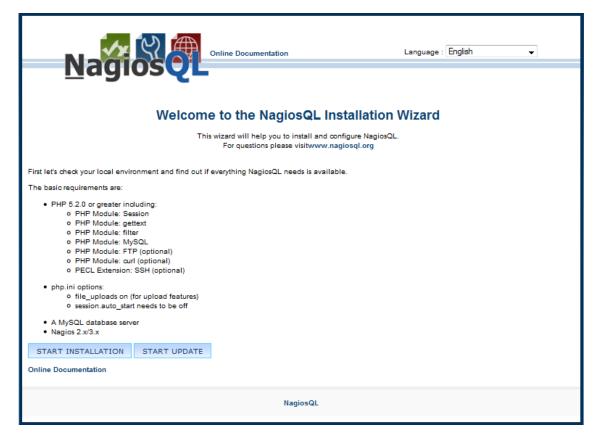
1.8 Update NagiosQL

Update is similar to installation as described in 1.7. Please note that the file **config/settings.php** of the old NagiosQL installation will not be modified and is copied to the config directory of the new installation.

You must never copy the files of a new version into the existing directory of an old/previous NagiosQL version!

It is very important to backup the existing database before you start! Otherwise if anything goes wrong during the update it cannot be repeated and the database may be corrupt and in an undefined state. In most cases you then have to run a new installation and import all configuration data.

A backup can be made very easily using common tools like phpMyAdmin. Alternatively there are command line tools like mysqldump.



Click START UPDATE to continue.

Afterwards the same environment tests are executed as during a new installation. Please consult the page for details.

If all tests are successful you can click on "Next" to get to the next page:



To run the update as expected you only have to enter the information regarding the administrative database user. The other data is modifiable as well but you should only alter it if you are sure that you know what you are doing.

Administrative Database User: Admin user
Administrative Database Passwort: Admin password

The administrative user (e.g. root user) has to exist already and must have sufficient rights to create a new database and a user which will be given access to the new database. The data of the administrative user will NOT be stored in NagiosQL – it will only be used to create the database.

If all information was entered correctly and the database could be created, you get the following output:



Afterwards the directory /opt/nagiosql/install should be deleted.

rm -rf /opt/nagiosql/install

2 Configure NagiosQL

2.1 Base configuration

The NagiosQL base configuration can be accessed in the web application clicking **Administration – Settings**. Here you will find some other data which you entered using the installer. The blue question mark symbol next to each item will show a short help text.



Worth mentioning are the following values:

Temporary Directory: The directory NagiosQL uses to store temporary files. Normally this will

be /tmp.

Server protocol: If NagiosQL is installed in an SSL environment you can choose **https**.

Setting an incorrect value might affect/end the operation!

Language: The NagiosQL interface might be changed to use another language.

Sometimes the browser cache has to be cleared, the browser and/or

Apache to be restarted so that the new setting takes effect.

Authentication type: If the Apache authentication is to be used this value has to be set

accordingly.

Data lines per page: The number of lines in list views can be set here.

Online version check: The NagiosQL support page will show if a new NagiosQL version is

available.

Environments using a proxy server will have to set the appropriate values.

2.2 Domain config (paths)

The different domains and paths of the Nagios installations to be controlled are determined using the domain administration. This is to be found below **Administration**.

There are two sorts of domains:

2.2.1 Data domains

Data domains are used for data storage, i.e. they contain the configuration objects. The selection field in the upper left of the view always shows the currently active data domain.



There are two given data domains which cannot be deleted or renamed:

Common Data Domain

A general data domain which can be included into every other data domain. This might be useful for contacts, time periods, or commands, which are identical in every data domain. There are only very few settings available.

Localhost Data Domain

The data domain of the local server. Apart from the fact that this data domain cannot be renamed there is no difference to other data domains.

Configuration options



Domain: Internal name of the data domain (will be shown in the config views).

Description: Detailed description of the data domain

Configuration target: Selection of the target configuration domain (see 2.2.2).

Nagios Version: Version of the Nagios installation (version 2.x or 3.x are supported) – depending

on the version additional options are displayed in the views.

Use common domain: The common data domain can be switched on or off. As soon as the common

data domain is switched on and objects are defined, these objects will be written

into the config files of the current data domain.

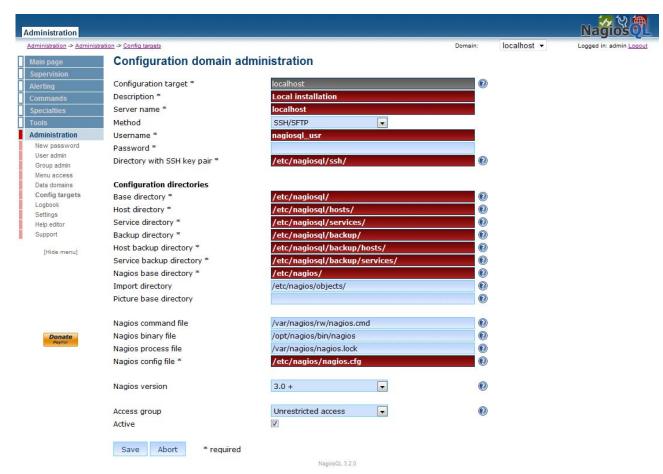
Access group: Select which user group gets access to this data domain.

Active: Define whether the data domain is active or not.

2.2.2 Configuration domain

Configuration domains are used to define a Nagios installation (site), they contain the paths and connection settings.

Configuration options



Domain: Internal name of the configuration domain

(will be shown in data domain – config target)

Description: Detailed description of domain

Server name: Host name of the system running the Nagios installation of this domain – must be

resolvable to an IP address

Method: The connection type specifies how NagiosQL will access the config files. Valid

options are:

or are accessible from there (NFS/SMB/CIFS etc.)

FTP The config files are accessed via FTP

- SSH/SFTP The config files are accessed via SSH/SFTP

In the next chapter (2.3) we will give some short instructions on how to setup FTP

and SSH/SFTP

User name: User name to login onto the target system (only FTP or SSH/SFTP)

Password: Password to login onto the target system (only FTP or SSH/SFTP)

Dir. to SSH key pair: Local directory where the SSH key is stored (only SSH/SFTP)

Base directory: Base directory for Nagios config files. All config files apart from those for hosts

and services are stored in this folder.

/etc/nagiosql

Host directory: Directory for the Nagios host config files

/etc/nagiosql/hosts

Service directory: Directory for the Nagios service config files

/etc/nagiosql/services

Backup directory: Directory where NagiosQL will store backup versions of config files (except for

hosts/services)

/etc/nagiosql/backup

Host backup dir.: Directory where NagiosQL will store backup versions of host config files

/etc/nagiosgl/backup/hosts

Service backup dir.: Directory where NagiosQL will store backup versions of service config files

/etc/nagiosql/backup/services

Nagios base dir.: Base directory of the Nagios installation. The files nagios.cfg and cgi.cfg are

stored in this directory and NagiosQL expects them to be there!

/etc/nagios

Import directory: Alternative import directory. Config files in this directory are offered to be

imported as well /etc/nagios/objects

Nagios image dir.: Alternative image directory. Normally the path to images is static in Nagios (e.g.

/usr/local/nagios/share/images/logos). This directory can be used as a second base directory for additional files/directories. Other definitions using the folder

are relative to this entry.

Nagios Command: Path to the Nagios command file (nagios.cmd). This file is required to send

external commands to the Nagios daemon. Please note that this file is only created / read when **check_external_commands=1** is set in **nagios.cfg**!

/var/nagios/rw/nagios.cmd

Nagios Binary: Path to the Nagios binary

/opt/nagios/bin/nagios

Nagios Process file: Path to the Nagios process file (PID or LOCK file)

/var/nagios/nagios.lock

Nagios config file: Path to nagios.cfg

/etc/nagios/nagios.cfg

Nagios version: Version of the Nagios installation (Version 2.x or 3.x are supported).

Access group: Select which user group gets access to this data domain

Active: Define whether the data domain is active or not

2.3 2.3 Setup remote access (FTP or SSH/SFTP)

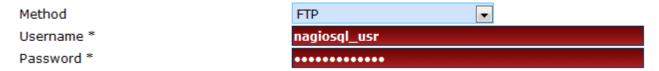
2.3.1 Remote access via FTP

On the local system the PHP module **ftp** has to be installed.

On the target system an FTP server has to be installed. Additionally a separate user for NagiosQL is set up.

The NagiosQL directory structure as described in 1.2 will be created on the target system. Furthermore the permissions on the remote system have to be set up as described in 1.2 and 1.3. Instead of the web server daemon the NagiosQL FTP user has to get write permissions.

The credentials of the NagiosQL FTP user have to filled into the fields user and password in the domain configuration (2.2).



It is recommended to check the FTP connection using an FTP client before you enter the values.

Using FTP the functionality in "Tools – Nagios control" is limited. "Check configuration files" and "Restart Nagios" via FTP will only work on a server supporting REMOTE EXEC – but due to security limitations nowadays this is rarely seen.

2.3.2 Remote access via SSH/SFTP

On the local system the PHP module ssh2 has to be installed (1.5).

On the target system an SSH server has to be installed. Allow access (firewall etc.) from the local system to the target system.

Create a new user for NagiosQL on the target system, e.g. nagiosql_usr. Please note that some distributions may limit the length of user names. Then you have to create a key pair as follows.

Local system:

1. Create a path for the SSH keys:

```
# mkdir /etc/nagiosql/ssh
```

2. Create a key pair – only rsa is supported:

```
# ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa): /etc/nagiosql/ssh/id_rsa
```

-> leave the password empty!

The name of the key file must be id_rsa!

- 3. The key is to be copied to the target system:
 - # ssh-copy-id -i /etc/nagiosql/ssh/id_rsa/id_rsa.pub nagiosql_usr@remote-system
- 4. The key in /etc/nagiosql/ssh has to be readable for the web server daemon!

```
# chown -R wwwrun.nagios /etc/nagiosql/ssh
# chown -R wwwrun.nagios /etc/nagiosql/ssh/id_rsa
```

5. Please check login manually:

```
# ssh -i /etc/nagiosql/ssh/id_rsa nagiosql_usr@remote-system
```

-> Login has to be possible without entering a password!

The name of the NagiosQL SSH user (nagiosql_usr) will be set in the domain config (2.2) filling in "User name". The field for the SSH key pair directory will hold the value of the directory (/etc/nagiosql/ssh/).



The field "password" can be left empty because it is not used.

An authentication using user and password (without key) is possible but strongly discouraged because it is generally more error prone. If you still want to use it then you have to set the following value in sshd_config on the target system:

PasswordAuthentication yes

3 Nagios Configuration

3.1 Nagios Configuration file

The Nagios configuration file **nagios.cfg** has to be adapted so that Nagios can find and use the configuration files written by NagiosQL. This can be done using the integrated editor of NagiosQL, if the access permissions were set correctly (1.3).

Important are the paths of the standard config files:

```
cfg_file=/etc/nagiosql/contacttemplates.cfg
cfg_file=/etc/nagiosql/contactgroups.cfg
cfg_file=/etc/nagiosql/contacts.cfg
cfg_file=/etc/nagiosql/timeperiods.cfg
cfg_file=/etc/nagiosql/commands.cfg
cfg_file=/etc/nagiosql/hostgroups.cfg
cfg_file=/etc/nagiosql/servicegroups.cfg
cfg_dir=/etc/nagiosql/hosts
cfg_dir=/etc/nagiosql/services
```

Some additional config files if they are used:

```
cfg_file=/etc/nagiosql/hosttemplates.cfg
cfg_file=/etc/nagiosql/servicetemplates.cfg
cfg_file=/etc/nagiosql/servicedependencies.cfg
cfg_file=/etc/nagiosql/serviceescalations.cfg
cfg_file=/etc/nagiosql/hostdependencies.cfg
cfg_file=/etc/nagiosql/hostescalations.cfg
cfg_file=/etc/nagiosql/hostextinfo.cfg
cfg_file=/etc/nagiosql/serviceextinfo.cfg
```

All existing lines starting with **cfg_file**= or **cfg_dir**= have to be **removed** or **deactivated** using a leading hash sign (#)! There must be no other cfg lines except the ones mentioned above.

Restarting Nagios from NagiosQL requires that Nagios has to accept external commands which is controlled by the following line in nagios.cfg:

```
check_external_commands=1
```

3.2 Additional permissions

For complete functionality of NagiosQL some Nagios files have to be accessible for NagiosQL (see 1.3). For local installations the user running the web server daemon has to be permitted, remote installations require the NagiosQL FTP or SSH/SCP user to be permitted. Subsequently the guide uses the term "user".

The paths to these files have to be set in the domain configuration (see 2.2). Regarding the permissions there are several ways (file permissions, sudo, acl). Furthermore the installations differ individually.

3.2.1 Check command

To check the curring configuration NagiosQL will use the internal verify method of Nagios:

```
# nagios -v nagios.cfg
<nagios-binary> -v <nagios configuration file>
```

The user must have permissions to execute the Nagios binary and read permissions on nagios.cfg.

3.2.2 Configuration editor

The files nagios.cfg and cgi.cfg can be edited directly from within NagiosQL using a simple editor.

The user must have write permissions on the config files nagios.cfg and cgi.cfg.

3.2.3 Restart command

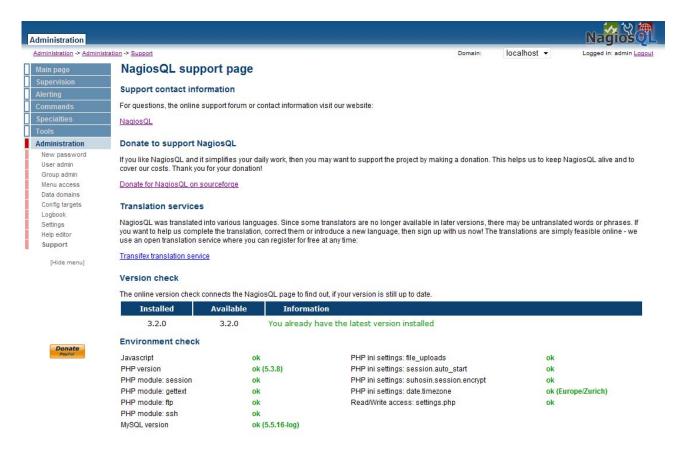
To activate a new configuration directly from within NagiosQL permissions on the command file **nagios.cmd** and the process file **nagios.lock** are required.

The user must have write permissions on the command file nagios.cmd and read permissions on the process file **nagios.lock**, or **nagios.pid**, respectively.

3.3 Support page

Since NagiosQL 3.2.0 we have a support page running the most important internal checks and showing the results. Common misconfigurations are detected quickly and you are able to solve your problems.

3.3.1 Common checks



You will find some helpful links. Basic environment checks are executed. If something doesn't work after a system upgrade you might find a hint.

If enabled it will be checked if the most current version of NagiosQL is installed.

3.3.2 Config checks

Config domain checks

The checks below are based on your data domain and config domain settings. To change the data domain, use the pull down menu in the upper right corner. Repeat this check for any data domain you have configured. To change the config domain, use the data domain menu and select a different config domain value.

Config domain name	localhost	Nagios config file	ok
Connection type	Fileaccess	Nagios process file	ok
Connection check	ok	Nagios command file	ok
		Nagios binary file	ok

Verify configuration files and demon configuration

Configuration name	Used in data domain	Included in demon configuration (nagios.cfg)
Hosts	ok (4)	ok (cfg_dir=/opt/nagios/inst1/etc/nagiosql/hosts)
Services	ok (21)	ok (cfg_dir=/opt/nagios/inst1/etc/nagiosql/services)
Hostgroups	ok (4)	ok (cfg_file=/opt/nagios/inst1/etc/nagiosql/hostgroups.cfg)
Servicegroups	not used	ok (cfg definition missed, but actually not used)
Hosttemplates	ok (5)	ok (cfg_file=/opt/nagios/inst1/etc/nagiosql/hosttemplates.cfg)
servicetemplates	ok (2)	ok (cfg_file=/opt/nagios/inst1/etc/nagiosql/servicetemplates.cfg)
Contacts	ok (1)	ok (cfg_file=/opt/nagios/inst1/etc/nagiosql/contacts.cfg)
Contactgroups	ok (1)	ok (cfg_file=/opt/nagios/inst1/etc/nagiosql/contactgroups.cfg)
Timeperiods	ok (5)	ok (cfg_file=/opt/nagios/inst1/etc/nagiosql/timeperiods.cfg)
Contacttemplates	ok (1)	ok (cfg_file=/opt/nagios/inst1/etc/nagiosql/contacttemplates.cfg)
Commands	ok (24)	ok (cfg_file=/opt/nagios/inst1/etc/nagiosql/commands.cfg)
Hostdependencies	not used	ok (cfg definition missed, but actually not used)
Hostescalations	not used	ok (cfg definition missed, but actually not used)
Hostextinfo	not used	ok (cfg definition missed, but actually not used)
Servicedependencies	not used	ok (cfg definition missed, but actually not used)
Serviceescalations	not used	ok (cfg definition missed, but actually not used)
Serviceextinfo	not used	ok (cfg definition missed, but actually not used)

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It will be checked if all relevant Nagios files are available and if the user permissions are correct (see 1.3).

The last part processes the Nagios config file (nagios.cfg) and checks if the necessary path settings (see 3.1) were made and if they are equal to the ones in the selected config domain.

Generally all red entries on the support page indicate a problem which must be solved. Yellow entries indicate problems which might pop up later.