

Nagios XI - Cron Jobs

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Cron Job Overview

Nagios XI includes several cron jobs that run on a regular basis to perform one or more operations or maintenance tasks. These jobs are critical to the operation of Nagios XI. An overview of the cron jobs that are part of Nagios XI are described below.

Cron Job Definition Location

Cron jobs for Nagios XI are defined in the following file on your XI server:

```
/etc/cron.d/nagiosxi
```

Individual Cron Jobs

Example contents of the `/etc/cron.d/nagiosxi` file from a Nagios XI 5.5.7 installation are listed below (each non-comment line corresponds to a cron job):

```
# /etc/cron.d/nagiosxi: crontab fragment for nagiosxi

# Backup MySQL & PostgreSQL Databases
0 7 * * * root /root/scripts/automysqlbackup
0 7 * * * root /root/scripts/autopostgresqlbackup > /dev/null 2>&1

* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/sysstat.php >> /usr/local/nagiosxi/var/sysstat.log 2>&1
* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/cmdsubsys.php >> /usr/local/nagiosxi/var/cmdsubsys.log 2>&1
* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/eventman.php >> /usr/local/nagiosxi/var/eventman.log 2>&1
* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/event_handler.php >> /usr/local/nagiosxi/var/event_handler.log 2>&1
* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/feedproc.php >> /usr/local/nagiosxi/var/feedproc.log 2>&1
* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/perfdatapro.php >> /usr/local/nagiosxi/var/perfdatapro.log 2>&1
* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/nom.php >> /usr/local/nagiosxi/var/nom.log 2>&1
* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/reportengine.php >> /usr/local/nagiosxi/var/reportengine.log 2>&1
*/5 * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/dbmaint.php >> /usr/local/nagiosxi/var/dbmaint.log 2>&1
* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/cleaner.php >> /usr/local/nagiosxi/var/cleaner.log 2>&1
01 * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/recurring_downtime.php >> /usr/local/nagiosxi/var/recurringdowntime.log 2>&1
* * * * * nagios /usr/bin/php -q /usr/local/nagiosxi/cron/deadpool.php >> /usr/local/nagiosxi/var/deadpool.log 2>&1
```

Debugging Cron Job Problems

If cron jobs appear to not be working, you can take the following steps to troubleshoot the problem:

- Examine the `/var/log/cron` log file for error messages
- Examine the log files from the individual cron jobs - all logs will be located in the `/usr/local/nagiosxi/var` directory
- Ensure the cron system daemon is running by executing the following command from a shell prompt:

RHEL 6 | CentOS 6 | Oracle Linux 6

```
service crond status
```

RHEL 7 | CentOS 7 | Oracle Linux 7

```
systemctl status crond.service
```

Ubuntu 14

```
service cron status
```

Debian | Ubuntu 16/18

```
systemctl status cron.service
```

- Comment out the cron jobs from the `/etc/cron.d/nagiosxi` file and run the raw cron job commands manually (don't forget to uncomment the jobs when you're done testing)

Cron Job Tips

If you're not familiar with cron, the cron file contains various fields that determine what command gets run and on what schedule it is run. Some helpful links for better understanding cron files are listed below:

- Cron formats explained - <http://www.nncron.ru/help/EN/working/cron-format.htm>
- Cron explained - <http://en.wikipedia.org/wiki/Cron>
- Crontab quick reference - <http://www.adminschoice.com/crontab-quick-reference>

Final Thoughts

For any support related questions please visit the [Nagios Support Forums](#) at:

<http://support.nagios.com/forum/>

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Online URL: <https://support.nagios.com/kb/article/nagios-xi-cron-jobs-60.html>