

# Nagios XI - Recurring Downtime System

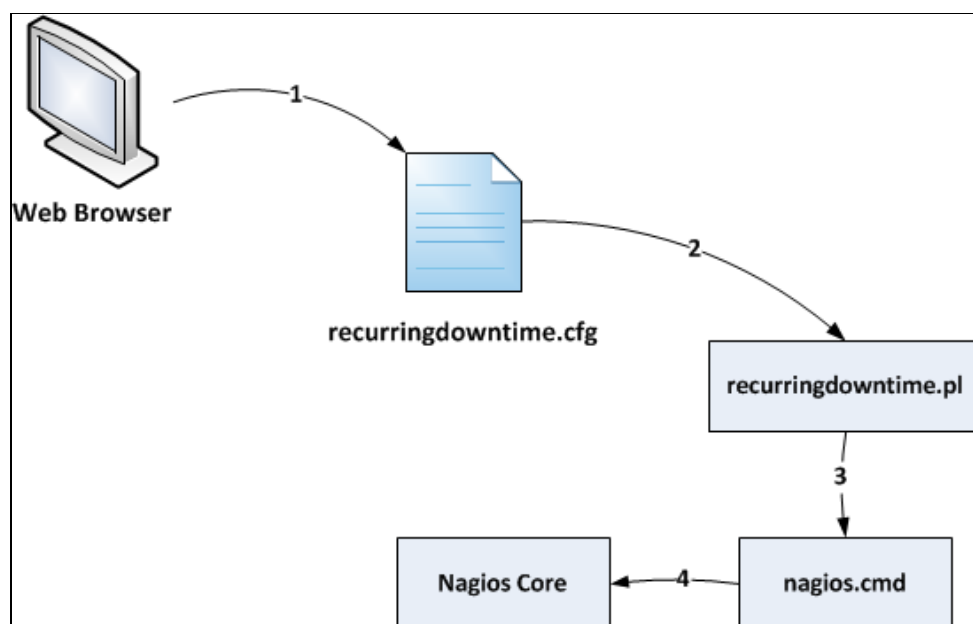
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## Recurring Downtime Overview

Nagios XI gives you the ability to schedule downtime that re-occurs on a regular basis. This is called recurring downtime. This document describes the components of the recurring downtime system, as well as troubleshooting information.

## Recurring Downtime Architecture

An architectural overview of the recurring downtime system is shown in the image below. A detailed description of each step follows later.



The recurring downtime system shown in the image above works as follows:

1. When you use the Nagios XI UI to define recurring downtime schedules, the schedules are written to the `/usr/local/nagios/etc/recurringdowntime.cfg` file on your XI server.
2. The recurring downtime cron job (`/usr/local/nagiosxi/cron/recurringdowntime.pl`) reads the config file periodically and determines if any hosts or services should go into downtime.
3. If the cron job determines that a host or service should enter downtime (based on the schedule you defined in the web UI), it will send a downtime command to the Nagios Core monitoring engine via its external command pipe (`/usr/local/nagios/var/rw/nagios.cmd`).
4. The Nagios Core monitoring engine reads the external command pipe and puts the required host or service into scheduled downtime.

## Troubleshooting Problems

If you have problems with recurring downtime not working properly, check the following items:

- Ensure the recurring downtime configuration file has the correct ownership and permissions, as shown below:

- `-rw-rw-r-- 1 apache nagios 0 Jan 2 2012 /usr/local/nagios/etc/recurringdowntime.cfg`

- Ensure the recurring downtime configuration is being written to the `/usr/local/nagios/etc/recurringdowntime.cfg` file
- Make sure the recurring downtime cron job is running properly and not returning errors. You can do this by examining the recurring downtime log file (`/usr/local/nagiosxi/var/recurringdowntime.log`)

## Final Thoughts

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

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

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