

Nagios XI Installation & Upgrade Guide

This document describes the steps to install Nagios XI on a fresh Ubuntu server, migrate data from an existing CentOS Nagios XI setup, and upgrade Ubuntu from 20.04 to 22.04. The steps have been derived from actual installation logs and have been structured for clarity and repeatability.

1. Download and Install Nagios XI 5.8.9

```
wget https://assets.nagios.com/downloads/nagiosxi/5/xi-5.8.9.tar.gz
tar xzf xi-5.8.9.tar.gz
cd nagiosxi/
./fullinstall
```

2. Disable UFW Firewall (if enabled)

```
ufw status
ufw disable
```

3. Stop Nagios and Database Services

```
systemctl stop nagios
systemctl stop npcd
systemctl stop mysqld || systemctl stop mariadb || systemctl stop mysql
```

4. Migrate Nagios XI Data to /data/app

```
mkdir -p /data/app/
rsync -av /usr/local/nagios /data/app/
rsync -av /usr/local/nagiosxi /data/app/
rsync -av /usr/local/nagvis /data/app/
rsync -av /usr/local/nrdp /data/app/
rsync -av /usr/local/nsis /data/app/
```

5. Replace Old Directories with Symlinks

```
mv /usr/local/nagios /usr/local/nagios.back
mv /usr/local/nagiosxi /usr/local/nagiosxi.back
mv /usr/local/nagvis /usr/local/nagvis.back
mv /usr/local/nrdp /usr/local/nrdp.back
mv /usr/local/nsis /usr/local/nsis.back
ln -s /data/app/nagios /usr/local/nagios
ln -s /data/app/nagiosxi /usr/local/nagiosxi
ln -s /data/app/nagvis /usr/local/nagvis
ln -s /data/app/nrdp /usr/local/nrdp
ln -s /data/app/nsis /usr/local/nsis
```

6. Start Required Services

```
systemctl start mysql
systemctl start nagios
systemctl start npcd
```

7. Restore from Backup

```
/usr/local/nagiosxi/scripts/restore_xi.sh /store/backups/nagiosxi/<backup_file>.tar.gz
```

8. Upgrade Nagios XI to Latest Version

```
wget https://assets.nagios.com/downloads/nagiosxi/<latest_version>.tar.gz
tar xvzf <latest_version>.tar.gz
cd nagiosxi
./upgrade
```

9. Upgrade Ubuntu from 20.04 to 22.04

```
apt update
apt install update-manager-core
do-release-upgrade
```

10. Install SourceGuardian Loader (for PHP extensions)

```
wget https://www.sourceguardian.com/loaders/download/loaders.linux-x86_64.tar.gz
tar -zxvf loaders.linux-x86_64.tar.gz
cp loaders.linux-x86_64/ixed.8.1.lin /usr/lib/php/20210902/
echo "zend_extension=ixed.8.1.lin" | sudo tee -a /etc/php/8.1/cli/php.ini
echo "zend_extension=ixed.8.1.lin" | sudo tee -a /etc/php/8.1/apache2/php.ini
systemctl restart apache2
```

11. Final Restart of All Services

```
systemctl restart nagios
systemctl restart npcd
systemctl restart cron
```