How to Automatically Migrate From Nagios Core to Nagios XI 2024 And 2026 With The Migrate Server Tool

Purpose

This document describes how to use the **Migrate Server** tool in Nagios XI 2024/2026 to migrate your Nagios Core object configs and plugins to Nagios XI. This tool is the simplest method for migrating your configs and plugins, and is available in XI 5.8+, 2024, and 2026.

Prerequisites

- In order to use the automatic Migrate Server tool, you will need to install Python on your Nagios Core server.

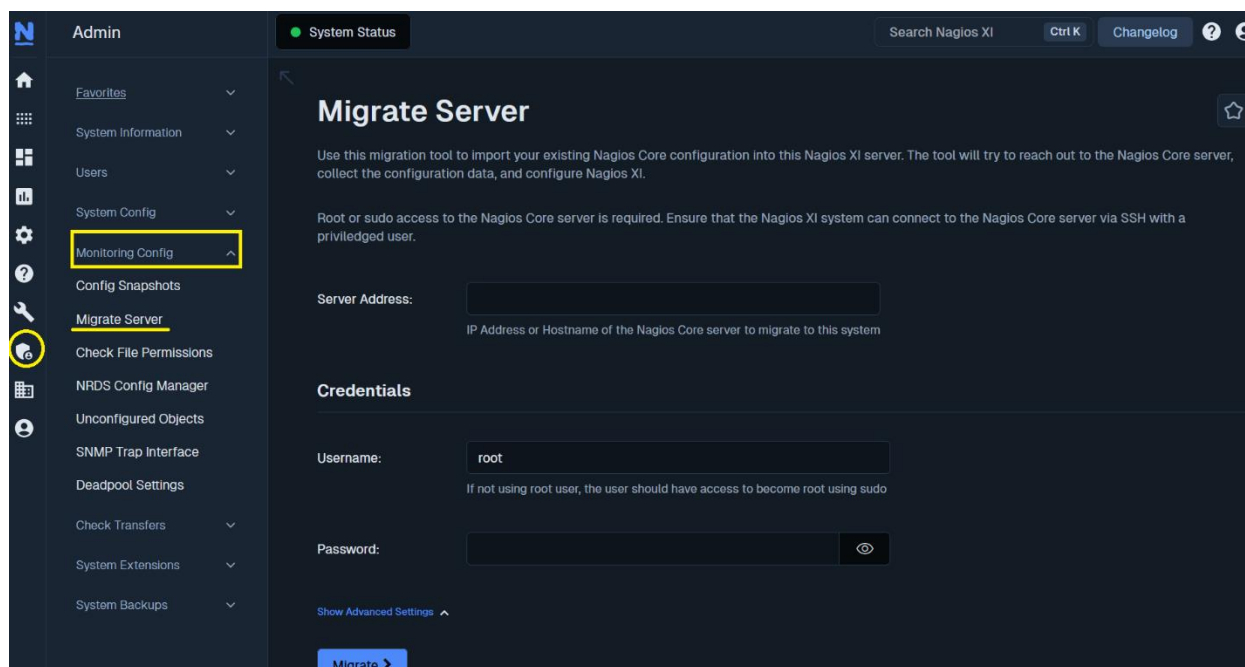- Additionally, a soft link has to be created on the Core server as well by running the following as `root`:

```
ln -s /usr/bin/python3 /usr/bin/python
```

Using Migrate Server

After installing your Nagios XI instance, you can automatically migrate your Nagios Core instance plugins and configs after entering some authentication information about your Nagios Core server.

To automatically migrate your core instance:

1. Navigate to **Admin > Monitoring Config > Migrate Server**.

2. Enter your Core server information in the following fields:

   o **Server Address** - The IP address or Hostname of your Nagios Core instance.

   o **Username** – The Linux username to access the Nagios Core instance.

   NOTE: This username must either be root or have the ability to sudo into root.

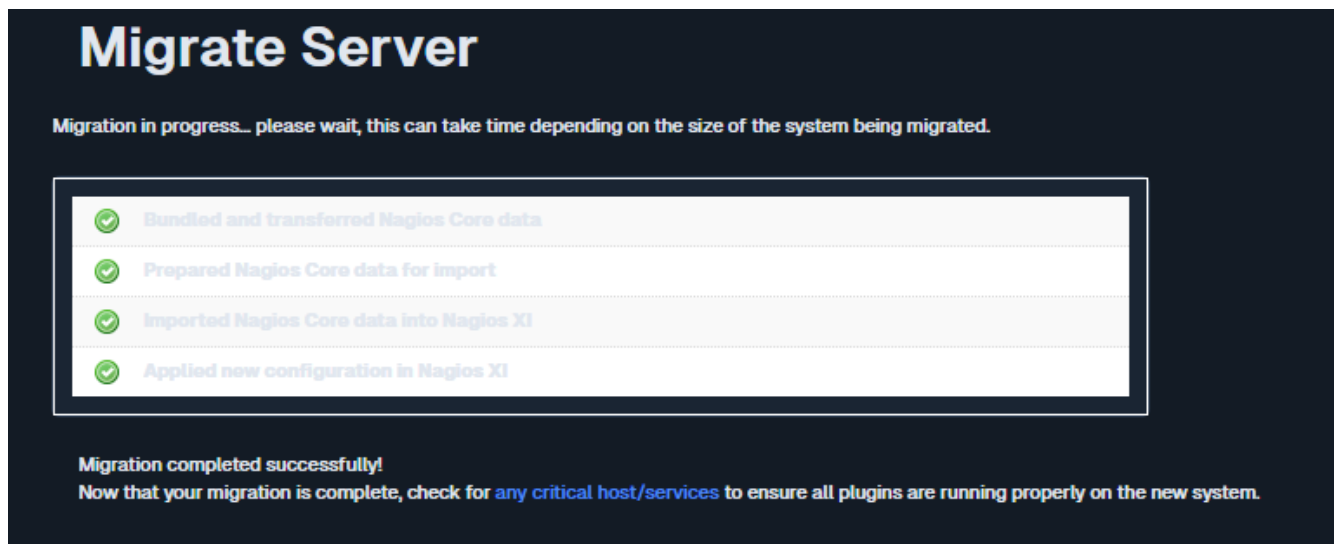   o **Password** - The password of the root user or the user able to sudo into root.

   Also review the Advanced settings (click the **Hide Advanced Settings** link to see them), and complete them if they apply to your scenario:

   o **Overwrite Configs** - Choose whether to overwrite duplicate objects with Nagios Core objects. Make sure to UNCHECK this box if you do not want to lose your current config data on your target XI server.

   o **Nagios Config File** - If the `nagios.cfg` file is not in the default location on your Nagios Core server (generally `/usr/local/nagios/etc/nagios.cfg`), then enter the actual location of the config file.

3. Click the **Migrate** button.

4. If the core migration fails, the error that occurred will be displayed.

5. If the Core migration is successful, you will see the success screen with all green checkmarks. You can also click on the **any critical host/services** link below the success dialog to see any migrated hosts or services that are in a critical status.

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Important Notes

- The current version of the Nagios Core migration automation feature will move PLUGINS and OBJECT CONFIGS only. Currently, performance data is not migrated.

- Migration replaces some of the `nagios.cfg` directives, but not all. Specifically, it changes (uses Core's value for) all of the directives in the `#UNMODIFIED` section of XI's .cfg that aren't file/directory paths.

- A successful migration always finishes by applying configuration and creating a configuration snapshot. Therefore, the migration can always be reverted by restoring the old configuration snapshot.

- Migration will only overwrite existing configuration if you have checked the "Overwrite duplicates..." in the GUI interface. Otherwise, the migration will import any object configurations that do not currently exist in the CCM.

- Plugin import may not work properly under the following conditions:
  - If the plugin has dependencies, the import process does not automatically install those dependencies.
  - If the plugin is compiled on a different distribution/using nonstandard dependencies, it will need to be re-compiled on the current system.
  - If the plugin was written for a distribution with different default scripting environments (for shell, python, perl, etc), the other scripting environment may need to be installed, or the plugin may need to be changed to work with the new scripting environment.

Troubleshooting

Please read through the **Important Notes** section above before continuing.

If you run into an error or circumstance that is not clearly defined or the migration process seems to be stuck, please see the following logs and files for potential issues:

Directory:

```
/usr/local/nagiosxi/scripts/migrate/jobs/<random#idofjob>
```

Files to review:

- `<random#idofjob>.yml`
- `ansible.cfg`
- `errors.txt`
- `hosts`
- `output.json`

If reviewing the information in these files does not provide an answer to your issue, please include these migration files, as well as a system profile, in your correspondence with Nagios Support.

Example command:

```
tar -czf /tmp/migrationlogs.tgz /usr/local/nagiosxi/scripts/migrate/jobs/<random#idofjob>
```

More Information

There is also a manual migration method available:

[Manually Migrating from Nagios Core to Nagios XI](#)

Finishing Up

This completes the documentation on Automatic Migration from Nagios Core to Nagios XI. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

[Visit Nagios Support Forum](#)   [Visit Nagios Knowledge Base](#)   [Visit Nagios Library](#)