
EF Portal Upgrade Guide



This guide focuses specifically on how to perform an upgrade of EF Portal. If you need detailed information about installation, configuration, or optimization, please refer to the EF Portal Administration Guide available on the NISP download page: <https://www.ni-sp.com/download/>.

Upgrading NI SP EF Portal

EF Portal upgrades are non-disruptive. Running jobs continue without interruption, and active DCV sessions remain fully accessible. All sessions, spoolers, data, logs, and configuration files are preserved throughout the upgrade.

The installer creates parallel installations in `/opt/nisp/enginframe/` or the `$EF_TOP` folder you selected (e.g., `2025.3-r2087`, `2026.0-r2300`).

The active version is controlled by `/opt/nisp/enginframe/current-version` file.

`/opt/nisp/enginframe/install/<old-version>` stores configuration files from previous installations. To maintain consistent paths and settings, it is recommended to provide the previous installation's configuration file to the installer when upgrading to a new version (using the `-f efinstall.config` option).

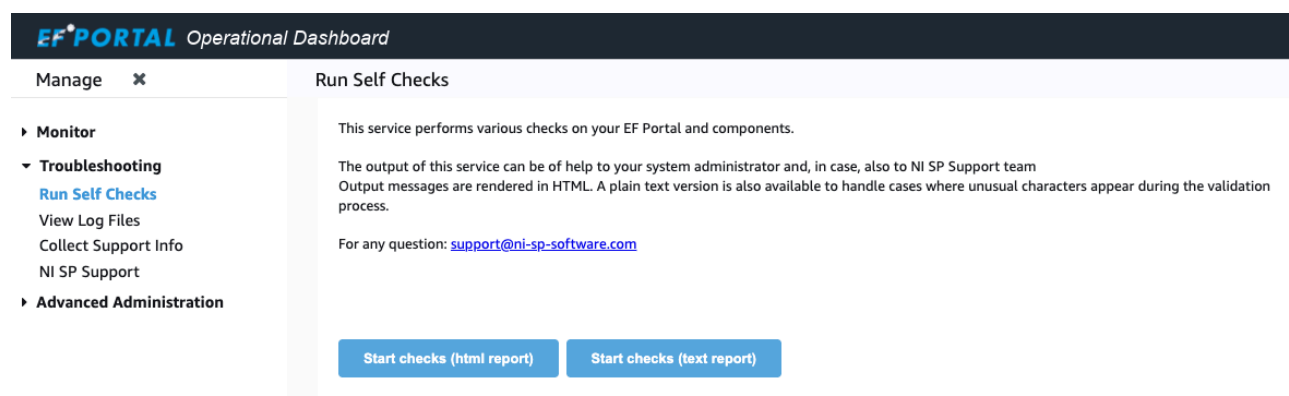
Upgrade Process

Recommended Best Practices:

- Execute *Run Self Checks* service first and review the change report.
- Ensure Java 11+ is installed.
- Back up the license file.
- Prefer “Preserve old version” during installation to allow a controlled switchover.

System Changes Verification

From the *Operational Dashboard*, you can execute the *Run Self Checks* service to review any manual changes applied to system files.



The screenshot displays the 'Operational Dashboard' for EF Portal. On the left, a navigation menu includes 'Monitor', 'Troubleshooting' (with 'Run Self Checks' highlighted), 'View Log Files', 'Collect Support Info', 'NI SP Support', and 'Advanced Administration'. The main content area is titled 'Run Self Checks' and contains the following text: 'This service performs various checks on your EF Portal and components.', 'The output of this service can be of help to your system administrator and, in case, also to NI SP Support team. Output messages are rendered in HTML. A plain text version is also available to handle cases where unusual characters appear during the validation process.', and 'For any question: support@ni-sp-software.com'. At the bottom, there are two buttons: 'Start checks (html report)' and 'Start checks (text report)'.

The service performs several checks on the EF Portal installation. In particular, it scans the `EF_ROOT` versioned folder to detect modifications to system files.

The *System files* section highlights:

- **Checksum mismatches:** Files modified in your existing installation (manual migration required).
- **New files:** Custom plugins will be automatically copied to the new installation path, other files can be manually copied at the end of the installation.

If you have any doubts, you can contact NI SP Support.

Prerequisites Verification

Support for Java™ 8 has been discontinued starting with EF Portal 2026.0.

Verify Java version (must be Java 11+):

```
# which java
# java -version
```

System Changes Verification with Dry-Run Installation (optional)

If you cannot execute the *Run Self Checks* service, you can verify the system changes by executing the installer in dry-run mode and stopping it before the actual installation begins. If you have already validated the changes using the previous method, you may skip this step and proceed directly to the installation phase.

Run the installer using the most recent configuration file from the previous installation:

```
# java -jar efportal-<new-version>.jar -f
/opt/nisp/enginframe/install/<previous-version>/efinstall...config
```

Interrupt the process **before the final installation step** by pressing CMD+C or CTRL+C:

```
Warning! EF Portal is already installed in /opt/nisp/enginframe/
2025.3-r2087.
Are you sure you want to update? Y or N [default: N]
> Y

=====
EF Portal Update
Preliminary Checks
=====

The installer detected a previous installation in
/opt/nisp/enginframe/2025.3-r2087.
Before updating, the status of the previous installation will be
checked.
This process can take several minutes.
[Press Enter to continue]
```

```
Warning! Changes to EF Portal installation in
/opt/nisp/enginframe/2025.3-r2087 have been detected.
A detailed report has been created in: /tmp/enginframe/changes.txt
Please review the changes before continuing.
In case custom plugins have been added to the old EF Portal
installation, the installer will automatically copy them to the new
installation.
However the installer will NOT apply any additional change from the
old installation files to the new installation.

Are you sure you want to continue the update? Y or N [default: N]
```

Review the generated change report:

```
# cat /tmp/enginframe/changes.txt
```

The `changes.txt` file lists:

- Checksum mismatches: Files modified in your existing installation (manual migration required)
- New files: Custom plugins will be automatically copied to the new installation path, other files can be manually copied at the end of the installation.

Installing the New EF Portal Version

Installer options:

- Auto-switch: Keep both versions in the file system but activate the new version immediately (`current-version` file handled by installer).
- Preserve old version: Install the new version alongside existing but do not switch the version in the `current-version` file (manual switch required later). No service stop required.

Installer behavior:

File Type	Action
Unmodified files	Preserved in the previous version's folder. The new version installs its own copies in a parallel versioned directory, without altering the previous installation
Modified files (checksum mismatch)	Listed in <code>changes.txt</code> . Preserved in the previous version's folder. Manual migration required
Custom plugins	Copied automatically
New files	Manual migration required
Sessions/spoolers/data/conf	Preserved (shared directories untouched)
DCV sessions	Unaffected; users continue working
Jobs	Unaffected; continue running

Applying Customizations

When using an external Database, it's required to manually migrate the database connector:

```
# cp -p
/opt/nisp/enginframe/2025.3-r2087/enginframe/WEBAPP/WEB-INF/lib/mysql
-connector-java-*.jar \
  /opt/nisp/enginframe/2026.0-r2300/enginframe/WEBAPP/WEB-INF/lib/
```

Manually migrate the files listed in `changes.txt`, preserving permissions and ownership.

Example: restoring a customized `index.html`:

```
# cp -p /opt/nisp/enginframe/2025.3-r2087/enginframe/index.html \
  /opt/nisp/enginframe/2026.0-r2300/enginframe/index.html
```

Switching the Active EF Portal Version

Required only if you selected "Preserve old version" in Step 2:

1. Stop current version, verifying no processes remain active

```
# /opt/nisp/enginframe/bin/enginframe stop
# ps -f | grep enginframe
```

2. Update version pointer:

```
# echo "EF_VERSION=2026.0-r2300" > \
  /opt/nisp/enginframe/current-version
```

3. Start new version:

```
# /opt/nisp/enginframe/bin/enginframe start
```

Reverting to a Previous Version

1. Stop running version:

```
# /opt/nisp/enginframe/bin/enginframe stop
```

2. Update version pointer back to previous version:

```
# echo "EF_VERSION=2025.3-r2087" > \
  /opt/nisp/enginframe/current-version
```

3. Start previous version:

```
# /opt/nisp/enginframe/bin/enginframe start
```

Directory Structure After Upgrade

Installation Path	Status
/opt/nisp/enginframe/2025.3-r2087/	Previous version (untouched)
/opt/nisp/enginframe/2026.0-r2300/	New version (inactive until switched)
/opt/nisp/enginframe/bin	Shared (untouched)
/opt/nisp/enginframe/current-version	Active version pointer (modified if selected to switch to the new version)
/opt/nisp/enginframe/conf	Shared (existing files untouched)
/opt/nisp/enginframe/data	Shared (existing files untouched)
/opt/nisp/enginframe/license	Shared (license file updated)
/opt/nisp/enginframe/logs	Shared (untouched until switched)
/opt/nisp/enginframe/repository	Shared (untouched until switched)
/opt/nisp/enginframe/sessions	Shared (untouched until switched)
/opt/nisp/enginframe/spoolers	Shared (untouched until switched)
/opt/nisp/enginframe/tmp	Shared (untouched until switched)