Single FNE License server installation, upgrades and updates

Installation procedure for a single FlexNet Embedded license server to provide activated licenses. Applicable to fresh installations, and applying upgrades to add major functionality and patch updates installing the latest packages on an existing server.

About this task

The following procedure is applicable to installation, upgrades and updates. For failover arrangements, also refer to Failover license server installation, upgrades and updates.

Registering the server is only required for initial installation. This steps should be omitted for upgrades and updates. If you are upgrading an existing installation, a running license server is automatically stopped as part of the new software installation.

The license server install package can be downloaded from the Advantest Software Center server:

https://softwarecenter.advantest.com/download/othersw/builds/licensing

Before you begin

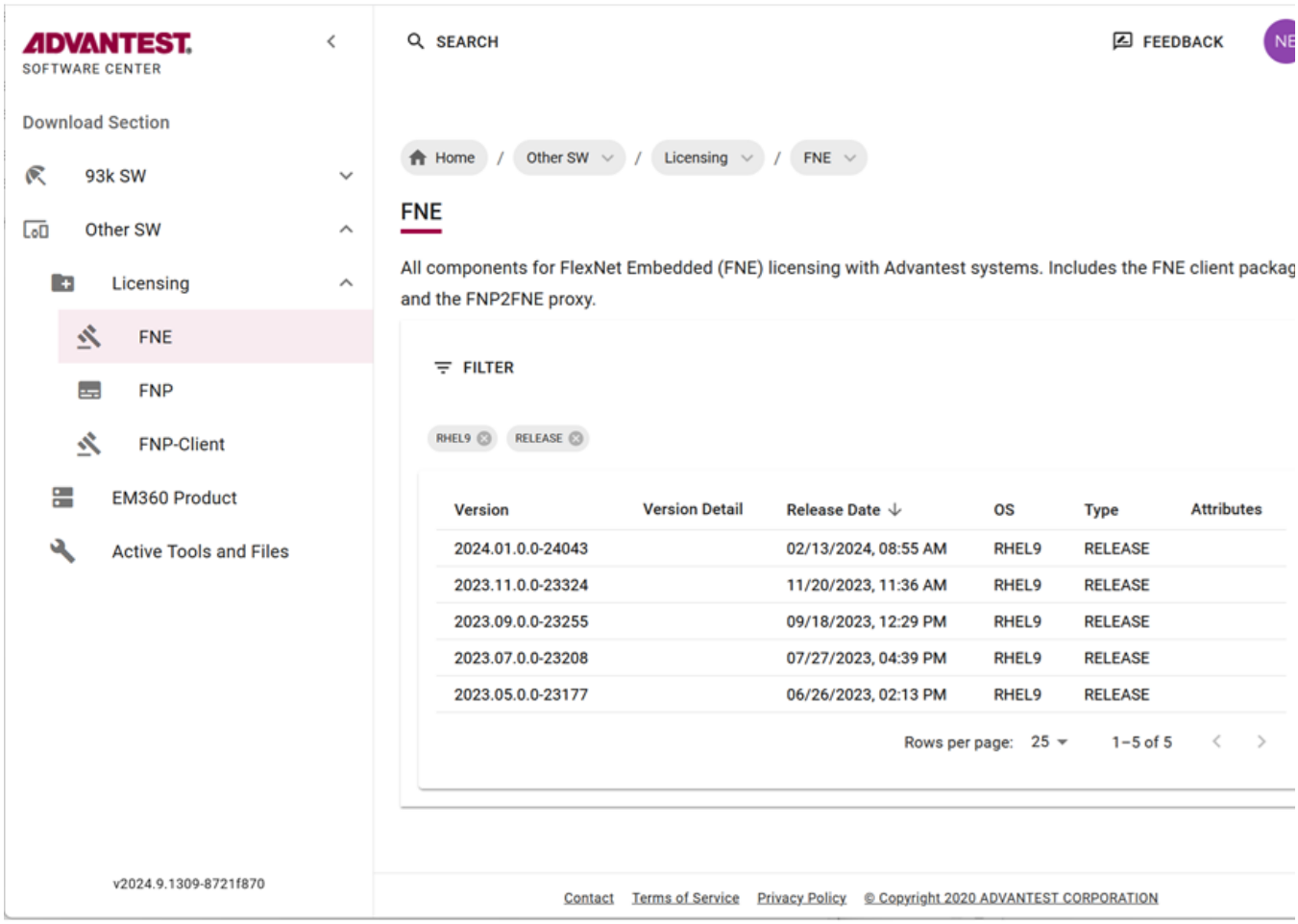
Make sure that the system hosting the FlexNet Embedded license server host system meets the hardware and operating system prerequisites. For details, see FlexNet Embedded license server setup.

Procedure

1. Open the Advantest Software Center in a browser: https://softwarecenter.advantest.com/

Login with your credentials.

2. To get the list of all available Licensing products, from the left menu select: **Other > Licensing**



3. Scroll to and select the license type FNE and the version you want to install and expand to display the details.

4. Create an empty installation directory. For example:`/tmp/smartest_pakages`
`mkdir /tmp/smartest_pakages`

> Note: It is not recommended to use a separate partition for **/tmp**. Ensure that sufficient space is allocated to the **/tmp** folder. As **/tmp** is a shared directory and used by many applications, the required folder size is dependent on the actual use and so customer-specific. Therefore, Advantest cannot give a recommendation about the required size of this folder. Monitor the **/tmp** folder and make sure that sufficient space is always available.

5. Download the archive package by clicking the icon.
The selected license (**tar.gz**) package is downloaded to your browser's download folder.
Example FNE packages include:
`fne_2024.01.0.0-24043_rhel9.tar.gz`
6. Move the downloaded archive packages to the installation directory: `/tmp/smartest_pakages`

7. Unpack the archive with the command:
   `tar xvzf package-name.tar.gz`

   For example:
   `tar xvzf fne_2024.01.0.0-24043_rhel9.tar.gz`
   The installation script is extracted, for example:
   `install-fne-2024.01.0.0-24043-rhel9.sh`

8. Check the downloaded archive package for integrity:
   `bash install-fne-date-version.sh test`

9. Start the installation or upgrade using the command appropriate for your licensing environment:

   > Note: During upgrading and updating, the installation script can be called without any options. All installed packages are detected automatically and updated if applicable.

   Installation with support for SmarTest 8 only (FNE licenses only):

   `sudo sh install-fne-date-version.sh server`

   For example:
   `sudo sh install-fne-2024.01.0.0-24043-rhel9.sh server`

   Upgrade (FNE software is installed and to be upgraded with newer software):

   `sudo sh install-fne-date-version.sh`

   For example:
   `sudo sh install-fne-2024.01.0.0-24043-rhel9.sh`

   Installation with support for SmarTest 8 and older SmarTest releases (FNE and FNP licenses):

   `sudo sh install-fne-date-version.sh fnx`

   For example:
   `sudo sh install-fne-2024.01.0.0-24043-rhel9.sh fnx`

   *The FNX front-end server that converts legacy **lmgrd** FNP license calls into FNE license call is also installed, providing support for SmarTest versions 5, 6 and 7.*

   Upgrade (FNE software is installed and to be upgraded with newer software):

   `sudo sh install-fne-date-version.sh`

   For example:
   `sudo sh install-fne-2024.01.0.0-24043-rhel9.sh`

After installation, the FNE license server is automatically started.

This also installs the FNE Server Viewer.

10. To display the readme file:
    `sh install-fne-*date-version*.sh readme`

11. **Optional:** Remove the installation directory. For example:
    `rm -rf /tmp/smartest_packages`

Results

The FNE license server and the FNE Server Viewer are installed.

To check if the FNE license server is running:

`/usr/bin/fne-status` or `/usr/local/bin/fne-status`

If the FNE license server is running, the following type of output is displayed:

```
* advantest-fne-server.service - Flex Net Embedded license server adapted for Advantest
Active: active (running) since Mon 2019-05-20 11:08:14 CEST; 3 days ago
* advantest-fne-server-viewer.service - Advantest Flex Net Embedded License Server Viewer
Active: active (running) since Mon 2019-05-20 11:06:48 CEST; 3 days ago
* advantest-fne-proxy.service - Advantest FNP2FNE proxy
Active: active (running) since Mon 2019-05-20 11:07:36 CEST; 3 days ago
```

To check if the FNE Server Viewer is running, enter the following URL in a browser:

`http://<serverName>:7077`

What to do next

Registering the license server

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