lmadmin for Windows

May 2014

lmadmin for Windows

May 2014

© 2014 Process Systems Enterprise Limited

Process Systems Enterprise Limited
5th Floor East
26-28 Hammersmith Grove
London W6 7HA
United Kingdom

e: support.gproms@psenterprise.com
w: www.psenterprise.com

Trademarks

gPROMS, gCOAS, gCRYSTAL, gSOLIDS, gFLARE, gFUELCELL, gPOWER, ModelBuilder and ProcessBuilder are registered trademarks of Process Systems Enterprise Limited ("PSE"). All other registered and pending trademarks mentioned in this material are considered the sole property of their respective owners. All rights reserved.

Legal notice

No part of this documentation or associated materials may be copied, distributed, published, retransmitted or modified in any way without the prior written consent of PSE. This document is the property of PSE, and must not be reproduced in any manner without prior written permission.

Disclaimer

PSE software products provide an environment for modelling the behaviour of complex systems. While they provide valuable insights into the behaviour of the system being modelled, this is not a substitute for a full understanding the real system and any dangers or risks that may be present. Except as otherwise provided, all warranties, representations, terms and conditions express and implied (including implied warranties of satisfactory quality and fitness for a particular purpose) are expressly excluded to the fullest extent permitted by law. PSE Software products provide a framework for applications which may be used for supervising a process control system and initiating operations automatically, however they are not intended for environments which require fail-safe characteristics from the supervisor system. PSE specifically disclaims any express or implied warranty of fitness for environments requiring a fail-safe supervisor. Nothing in this disclaimer shall limit PSE's liability for death or personal injury caused by its negligence.

1 Overview

This document is intended exclusively for customers of PSE who are running PSE products on a laptop and who need to install a PSE license server on the same machine because no central, corporate license server is being used. Maintenance of central, corporate license servers is not affected.

Prerequisites to performing the installation are the installer `lmadmin_PSE_11.12.zip` and at least one license file. This was either received from PSE's license administration as part of a new installation or it already exists as part of a previous license management installation. Administrative privileges are required for the installation.

This guide explains three major stages, the first one of which is optional and only applies to laptops with existing PSE license management installations.

The second stage describes the basic installation steps which are followed by the concluding configuration.

# 2 Uninstalling existing license managers

In order to determine if a PSE license manager installation (based on lmgrd) exists, use the Windows Control panel and select *Programs and Features* (Windows 7) or *Add or remove programs* (Windows XP). If an entry *FLEXlm for PSE* exists such an installation is present on the system.

The following steps need to be performed for a complete uninstallation:

1. Execute the utility *FLEXlm Utilities* from the Windows Start Menu group *Process Systems Enterprise*. Make sure that *Configuration using services* and *LMTOOLS ignores license file path environment variables* are selected and checked, respectively.
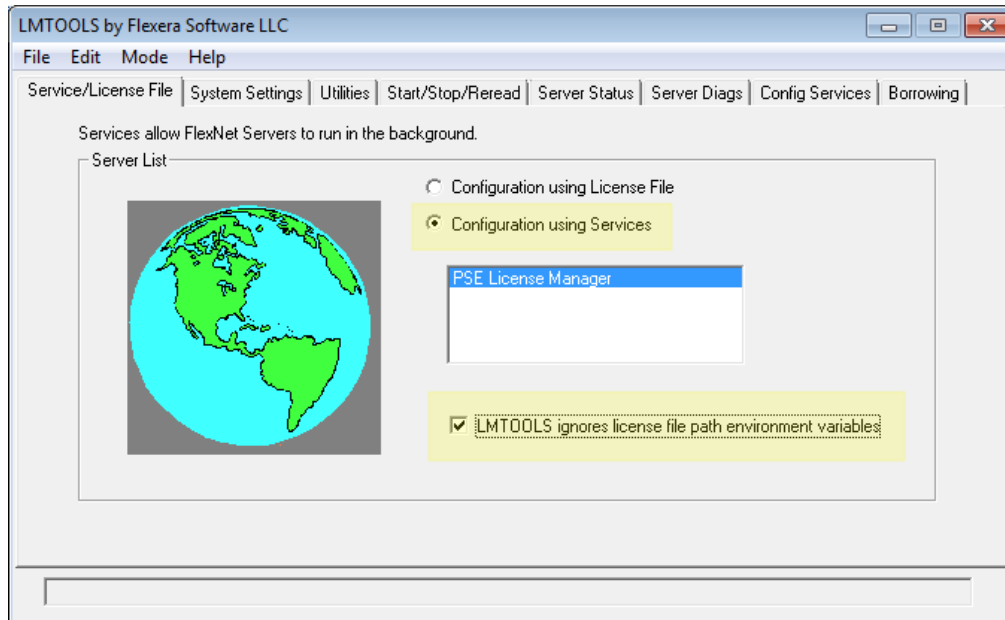
2. Then, switch to the tab *Config Services* and note the path to the license file or the license directory.
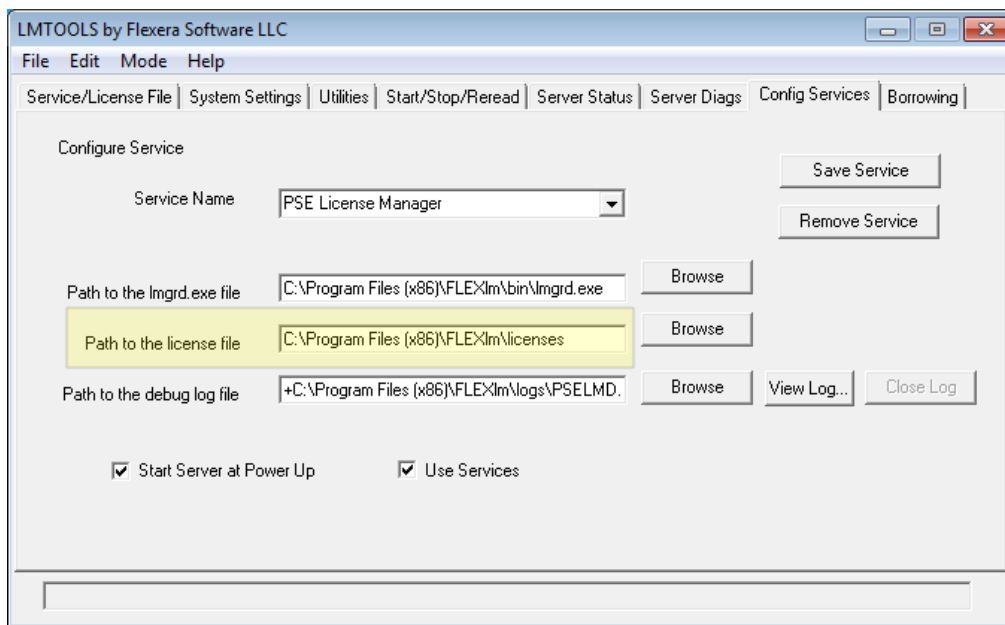
Ensure that a backup copy of all license files is taken, using Windows Explorer.

3. On the *Start/Stop/Reread* tab, click on the *Stop Server* button.
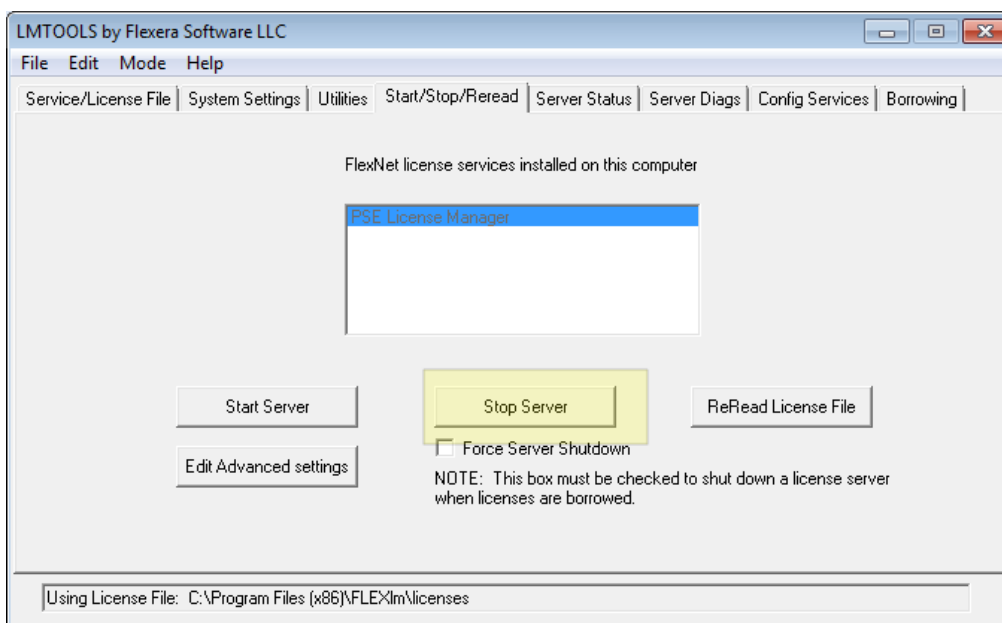
4. On the *Config Services* tab, click on the *Remove Service* button.
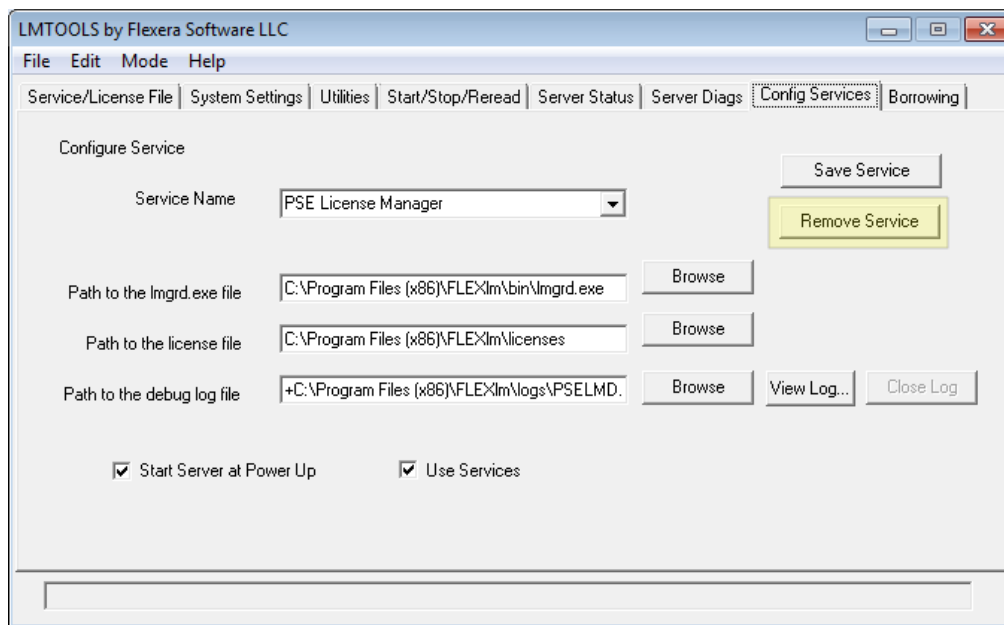
5. Quit the utility.

6. In the control panel for adding and removing programs, choose and uninstall *FLEXlm for PSE*. Under rare circumstances, you may have more than one entry and you need to uninstall all of them.

7. The uninstaller leaves a number of items in the installation directory behind, e.g. log files or license files. Typically, there is no need to keep the log files – unless otherwise instructed – but the license files should be retained for later use by copying them to a safe location as explained in Step 1.

3 Installation

During the installation, an installer has to be executed and an executable file has to be copied into the installation directory once the installation is complete.

1. Extract all files from `lmadmin_PSE_11.12.zip` and place them in a temporary directory of your choice.

2. Add all license files that you intend to use to this directory.

3. Verify in all license files that the line containing the text "VENDOR PSELMD" consists of this text only. If it includes this text AND the full path to the executable then the full path should be deleted.

4. Execute the installer `lmadmin-i86_n3-11_12_1_1.exe`. It shows the initial screen shown below.
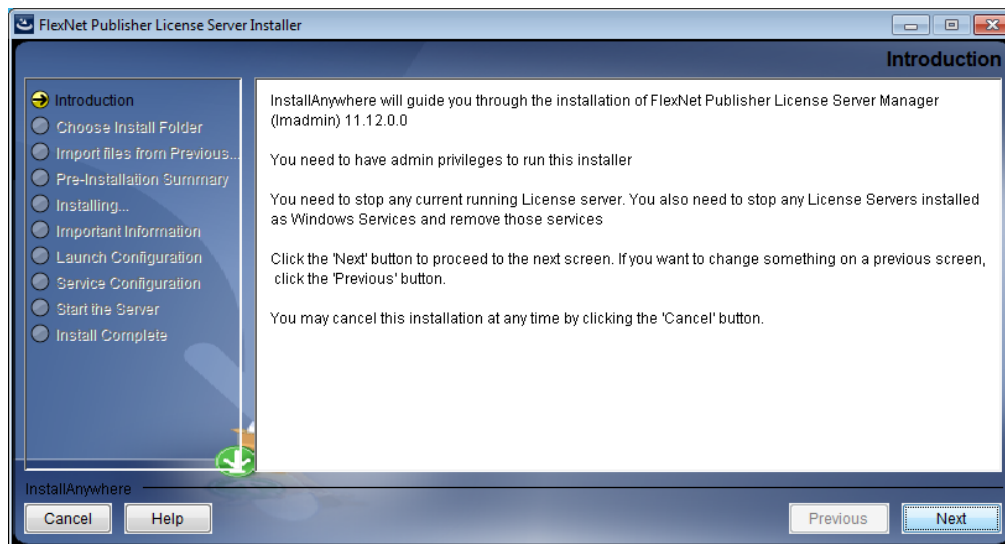
Click *Next* to continue.

5. The default location should be accepted unless an alternative location is specifically required. Take note of the location, it will be required in the final step.
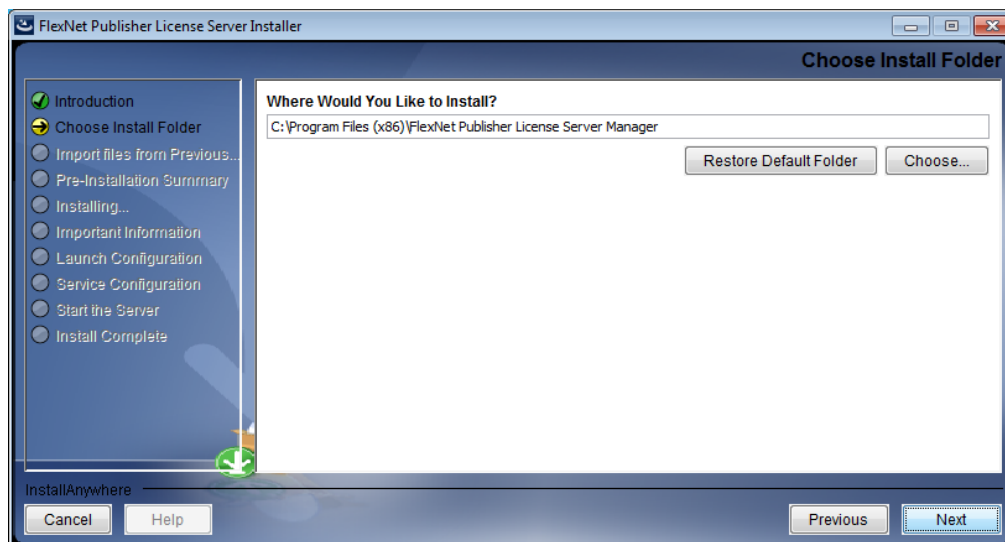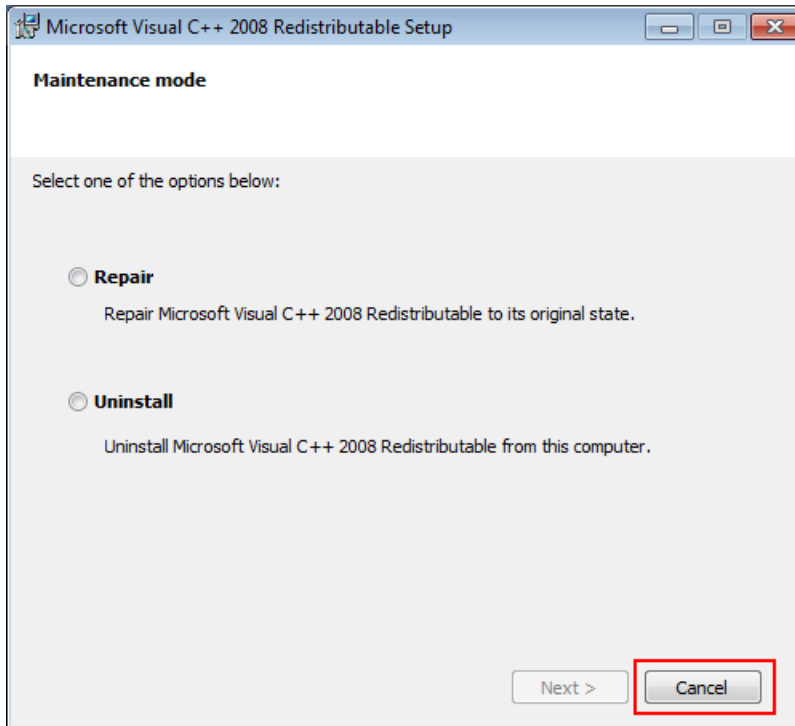
6. Do NOT choose to import at this stage.
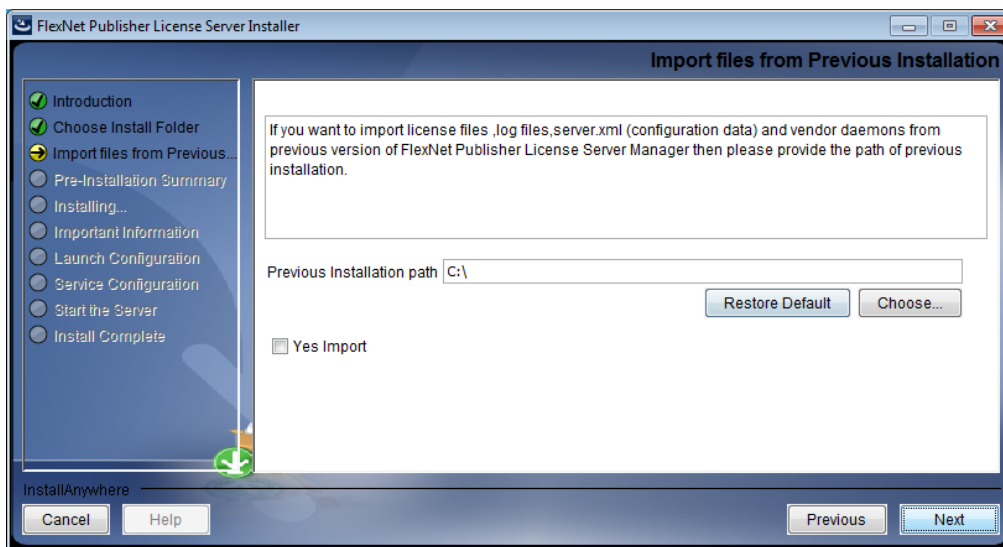
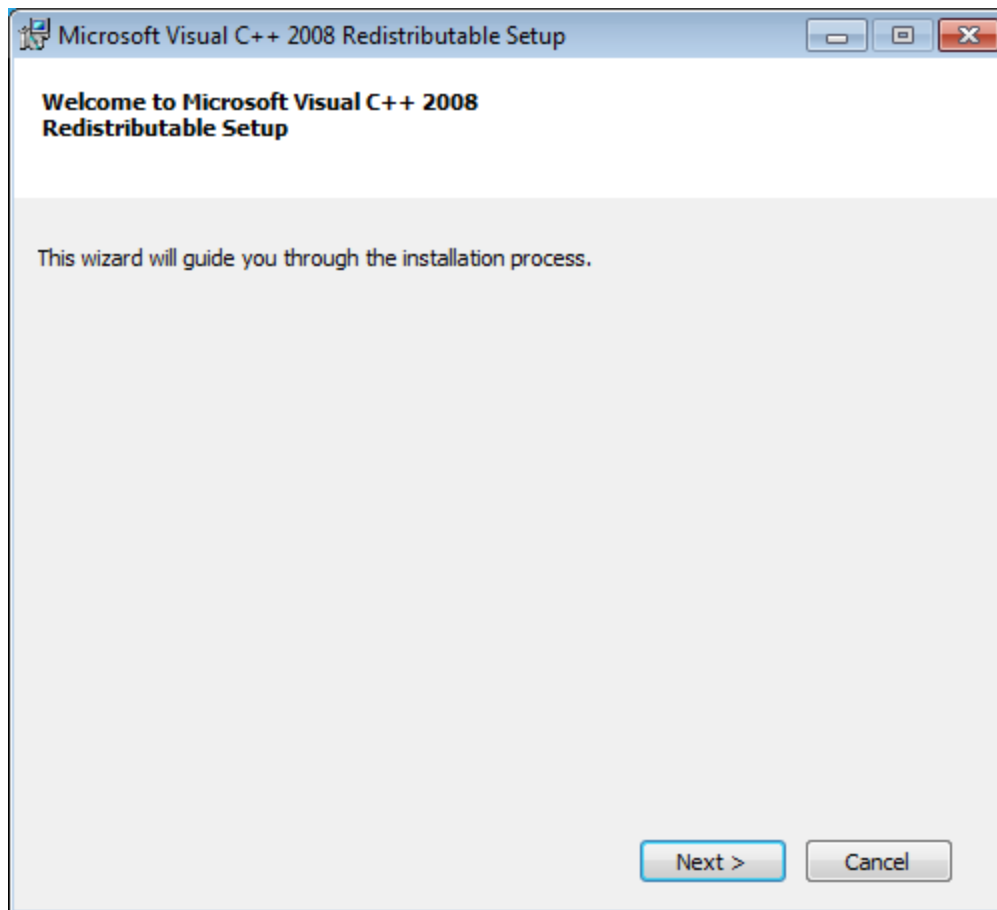7. Review the summary of the installation choices and click *Install*.
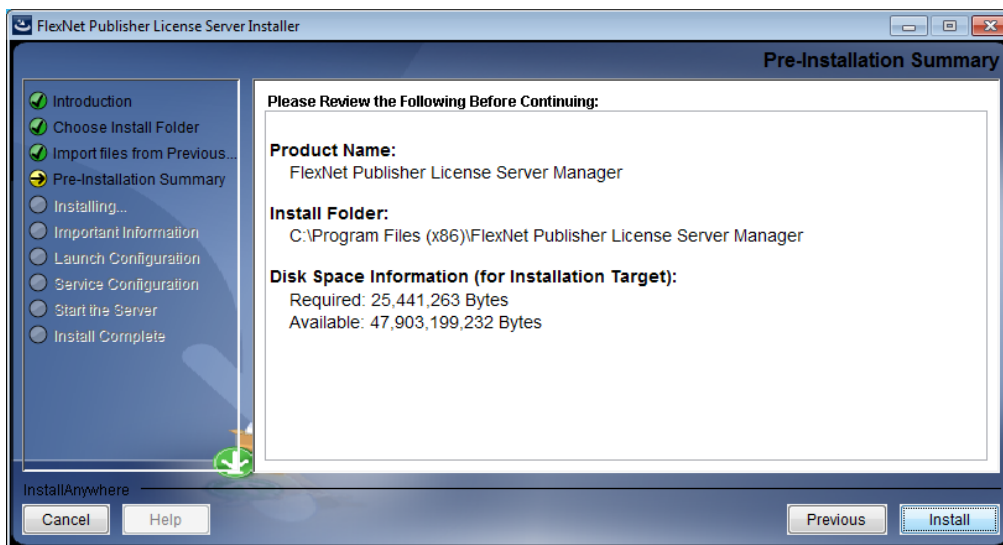
8. If necessary, an auxiliary installation of the *Visual C++ 2008 Redistributable Package* may need to be performed. This option may be presented even if the package has already been installed, in which case you will be notified in the next step and you can cancel it safely.
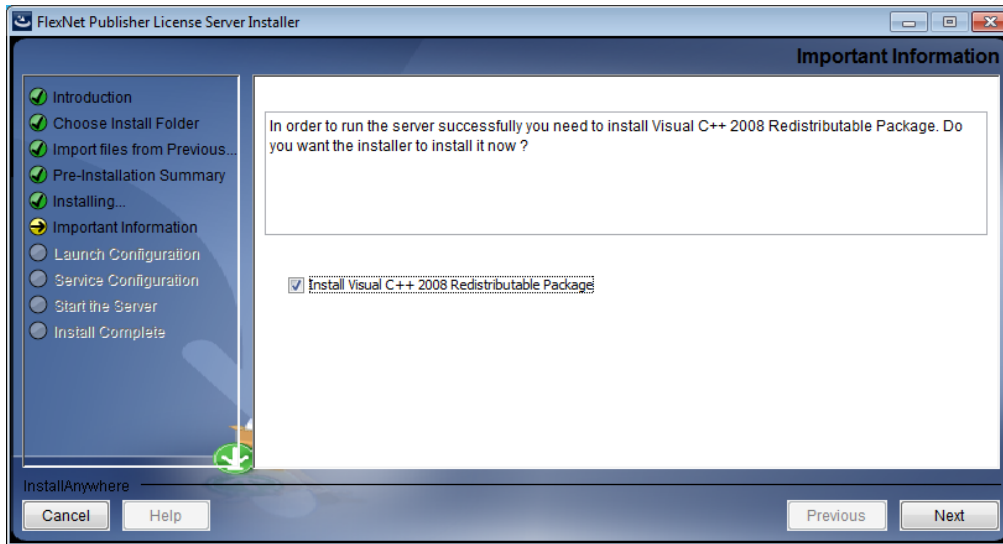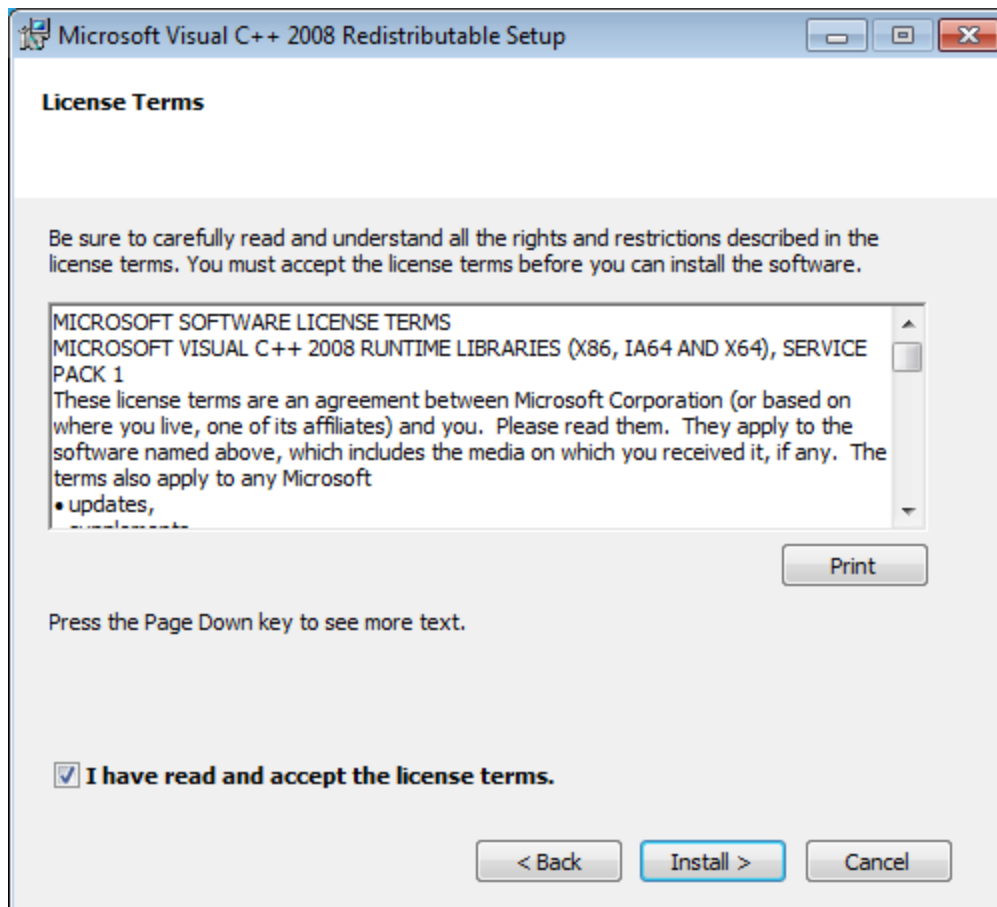
9. Verify the settings for the installation of the *Visual C++ 2008 Redistributable Package*. If there is already an installation of this package, the following dialog is displayed where you should cancel and move on to next step; DO NOT, however, choose to uninstall.

If the package is not present yet, the following dialogs guide throught the installation.

Microsoft Visual C++ 2008 Redistributable Setup

Welcome to Microsoft Visual C++ 2008 Redistributable Setup

This wizard will guide you through the installation process.

Next >   Cancel

Consider running Windows Update after the final installation step to check for security updates for this re-distributable package.

10. In *Launch Configuration*, just confirm the default settings unless you are aware of other services using the same ports.
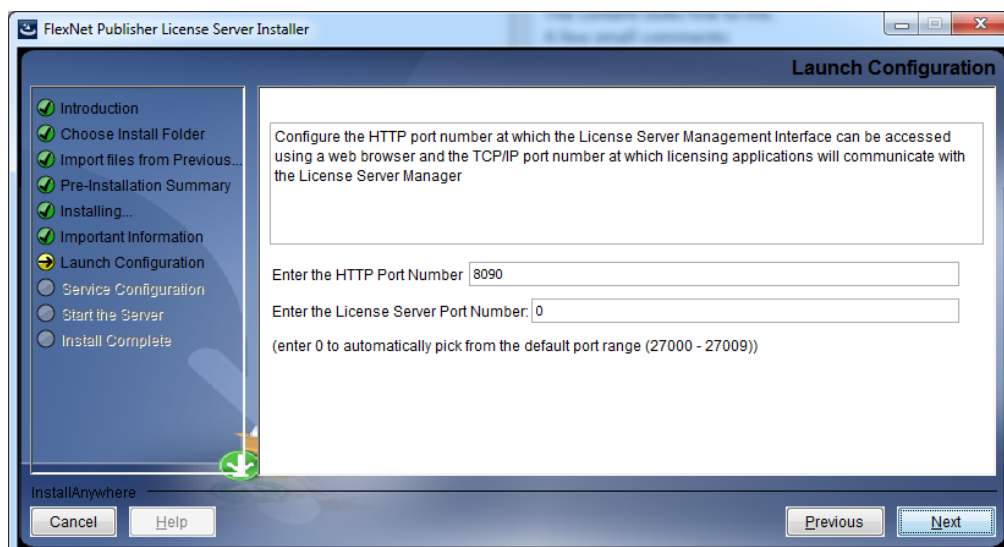
11. Specify that lmadmin should run as a Windows service.
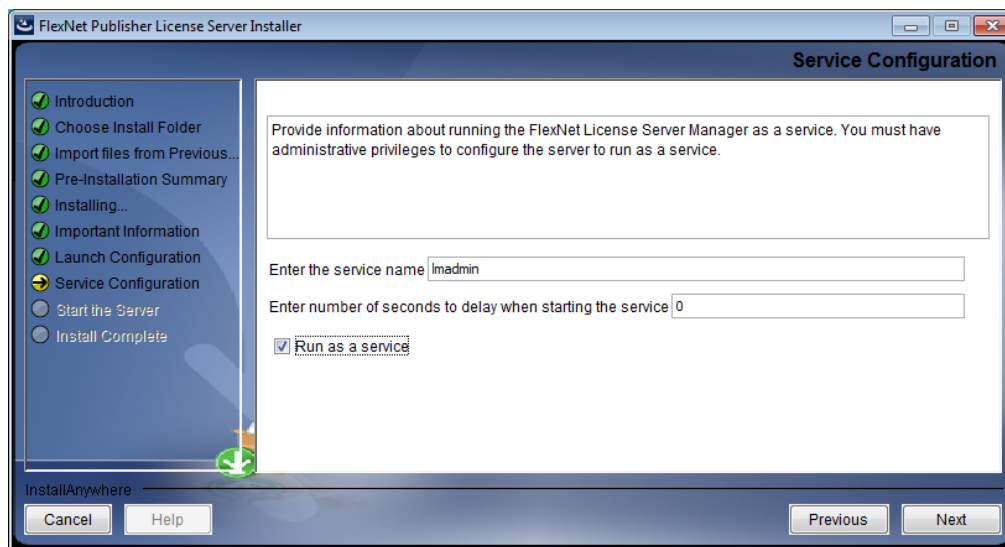
12. Start the license server. This will bring up a web browser window; ignore it for the time being and perform the last installation step below.
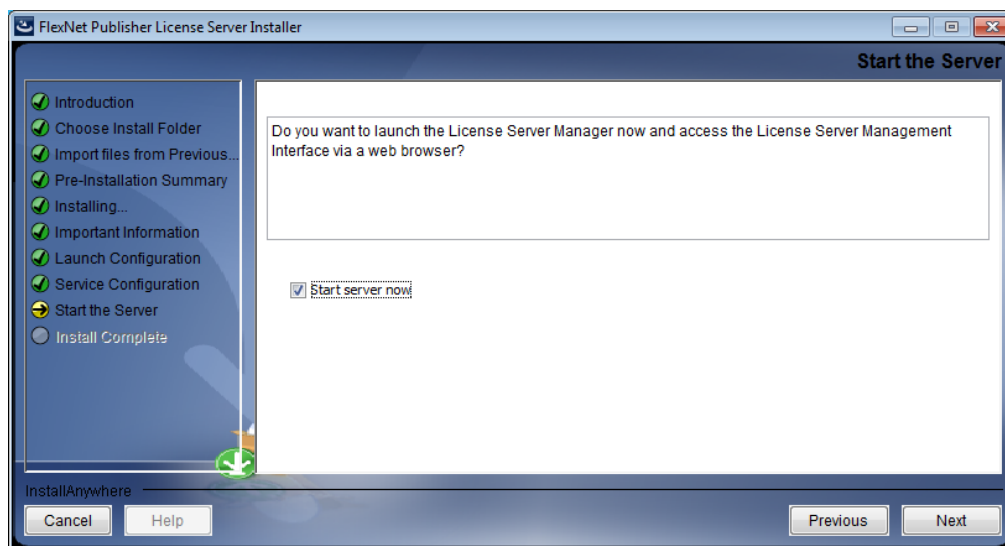
13. Copy the PSE license daemon into the installation directory.

   One of the extracted files is called `PSELMD.exe`. Copy this file into the installation directory so that it resides next to the file `lmadmin.exe`

The next step is to [configure](#) the license server and to install the available licenses.

4 Configuration

The license server configuration is performed using a web browser and the required window should have been opened at the end of the installation sequence. If the window has been closed, it can be re-opened by using the link http://localhost:8090/. (It is useful to keep a bookmark of this page for administrative purposes.)

> **Caution**
>
> If your browser opens with a message that it is unable to connect to *localhost*, the service may not have been started properly and you may need to start the service *lmadmin* manually by using the Windows Computer Management → *Services*. If the service has been already started according to this utility and you still cannot connect, please perform a reboot of the computer.
>
> Alternatively, if you do not know how to access *Services*, rebooting the computer is a safe option.

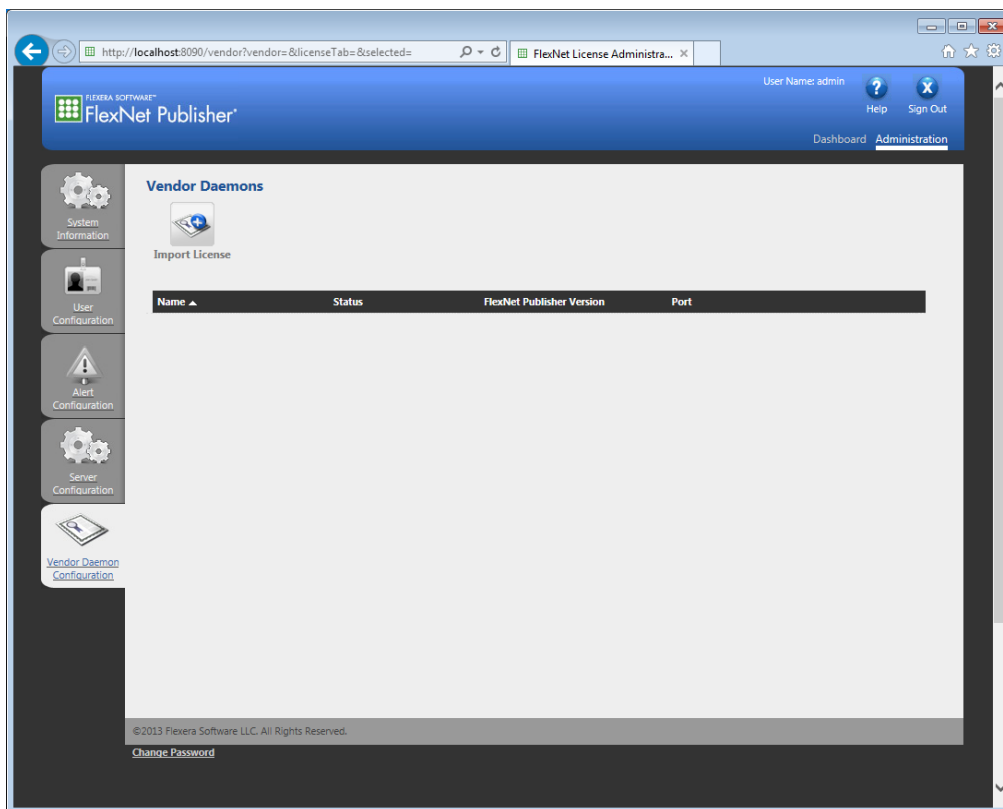Once you can connect successfully to the web page, please proceed with the following steps.

1. Select the *Administration* link at the top right and then sign into the server using the password *admin* and login *admin*.
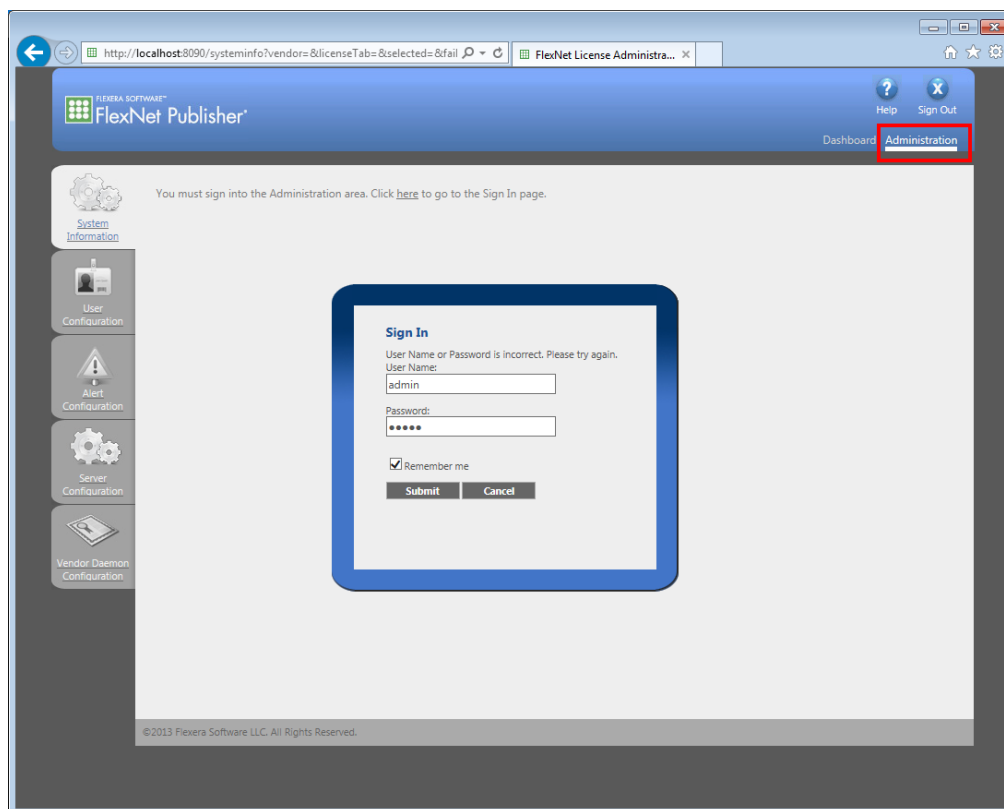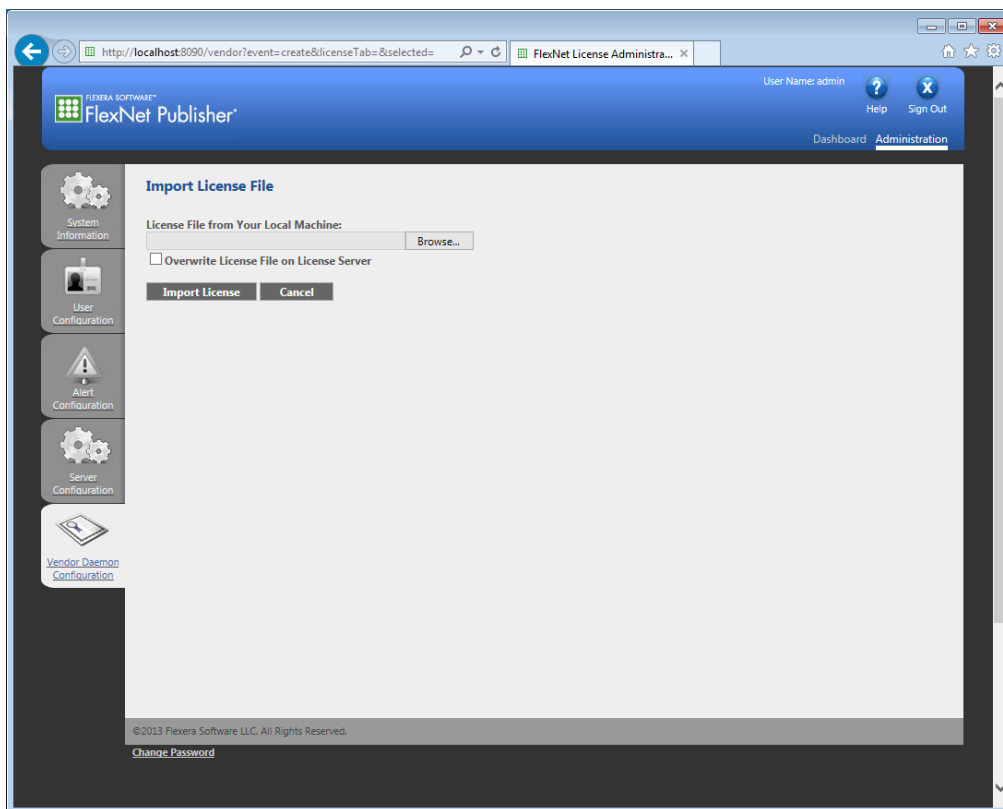
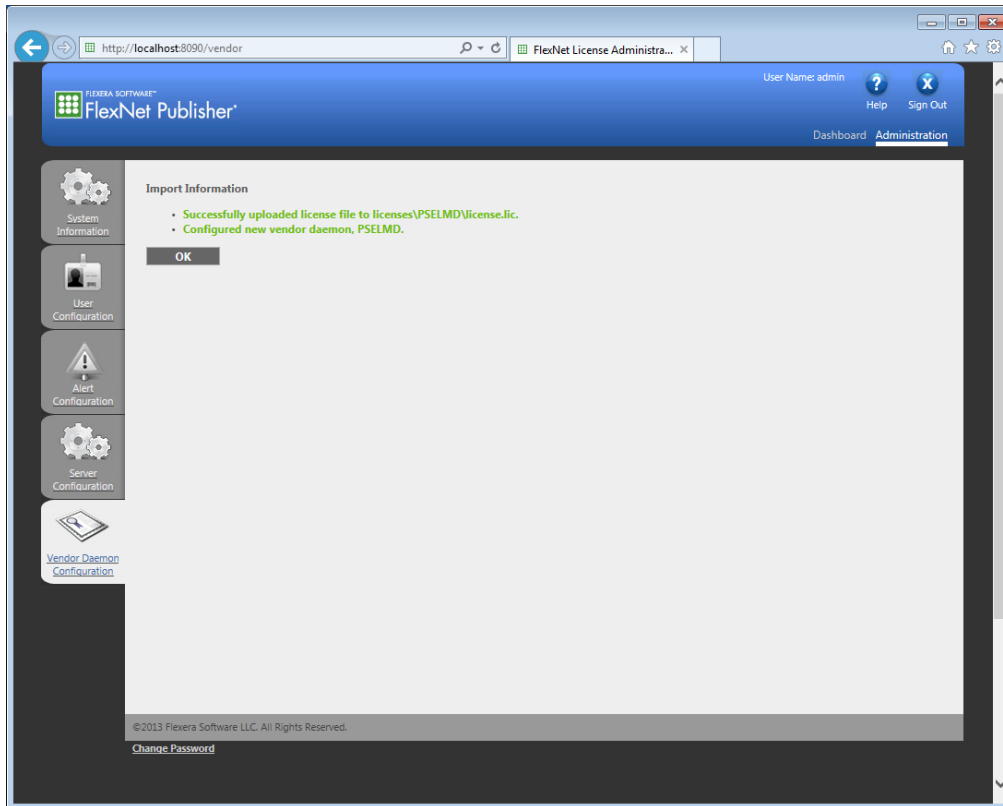2. Change the password as requested.
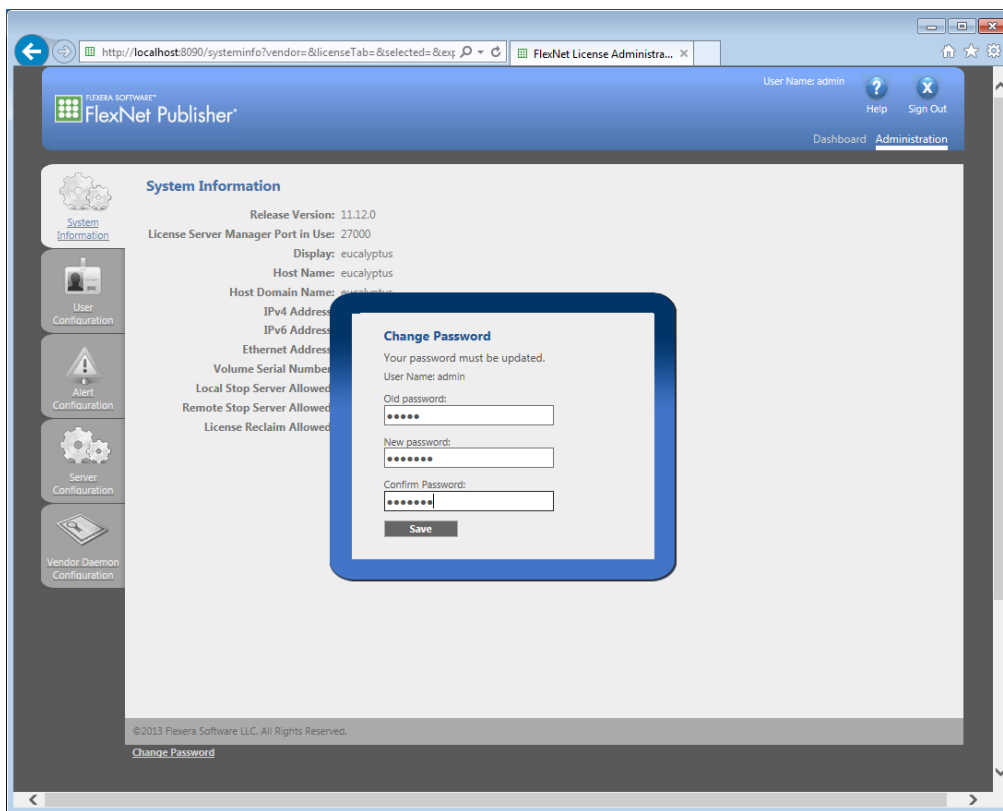
3. Select the *Vendor Daemon Configuration* tab on the left and choose *Import License*.
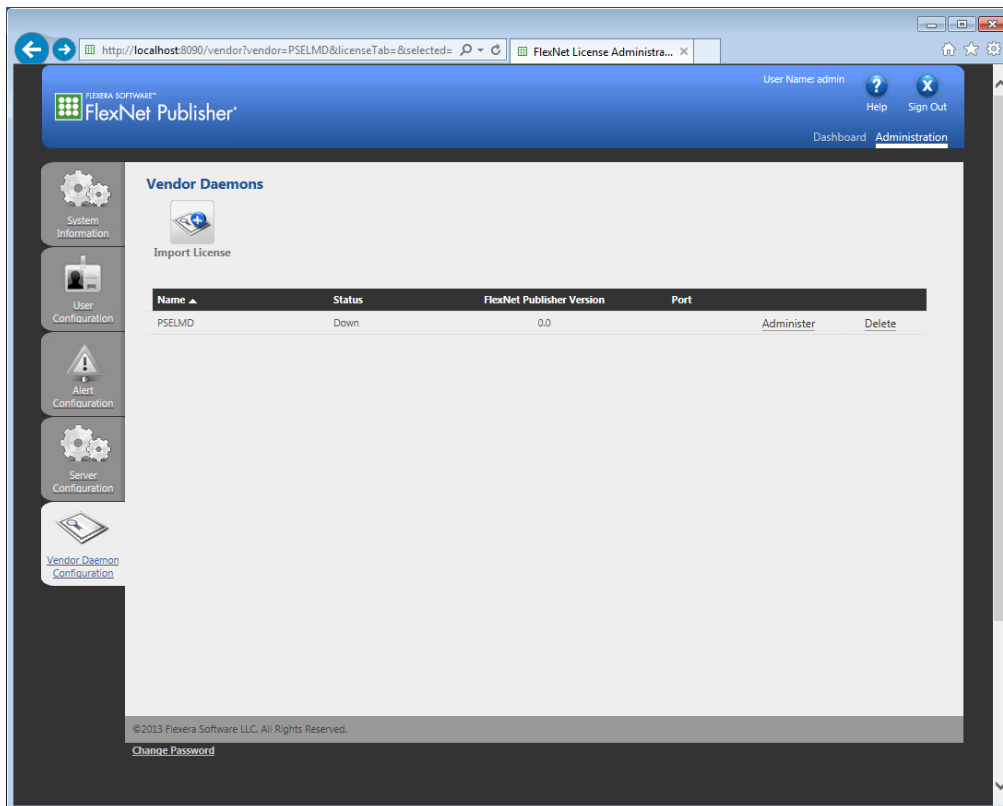
4. Using the Browse button, load previously stored license files and then press *Import License*.
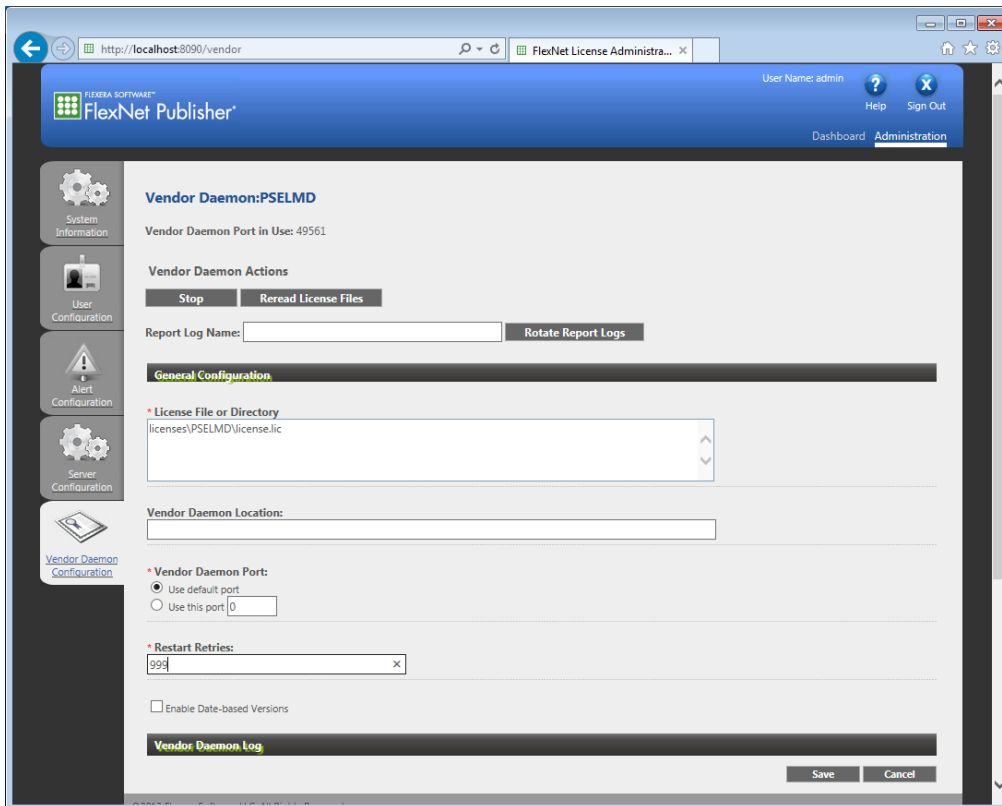

A successful import is confirmed by a message such as the one displayed on the next page.

Import Information

- **Successfully uploaded license file to licenses\PSELMD\license.lic.**
- **Configured new vendor daemon, PSELMD.**

OK

©2013 Flexera Software LLC. All Rights Reserved.

Change Password

5. Repeat the Steps 3 and 4 for each license file you wish to import. Once all license files are imported, click on the *Administer* link.

6. Enter 999 in *Restart Retries* and press *Save* to confirm.

7. On the tab *Server Configuration*, choose *Concurrent* under *User Interface* and press *Save* to confirm.
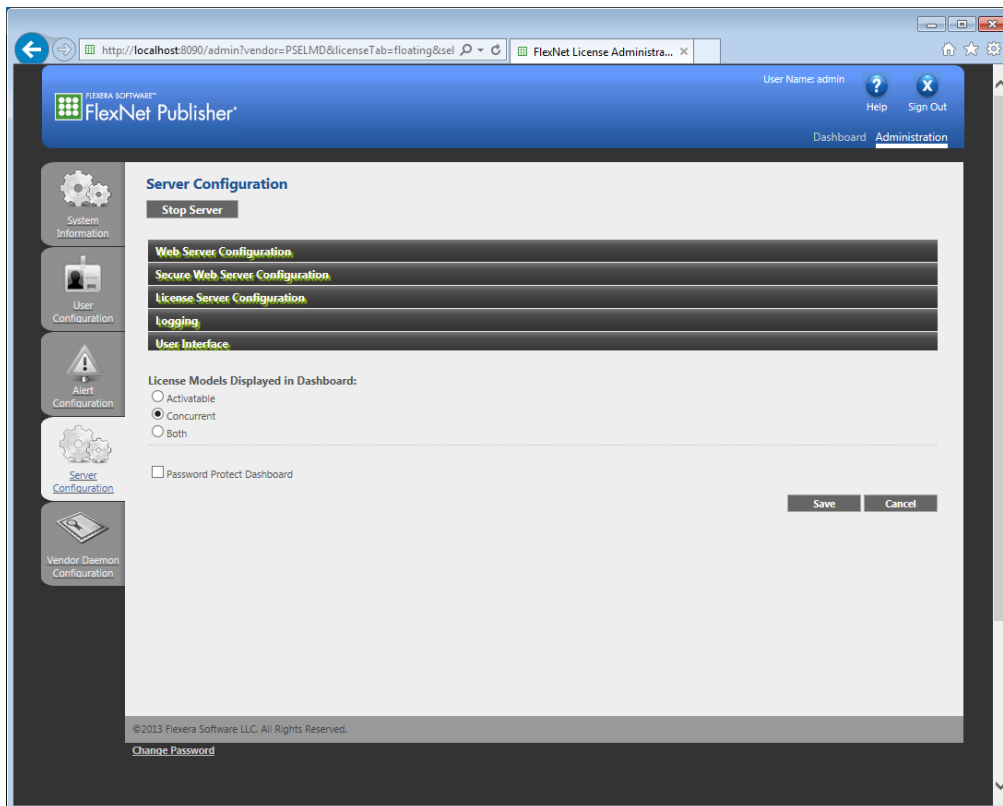
8. At the top, click on *Dashboard* where a summary of the available license features and alerts can be reviewed. A successful set-up shows a number of concurrent license features on the right-hand pane and allows you to review their number, expiry date and more.
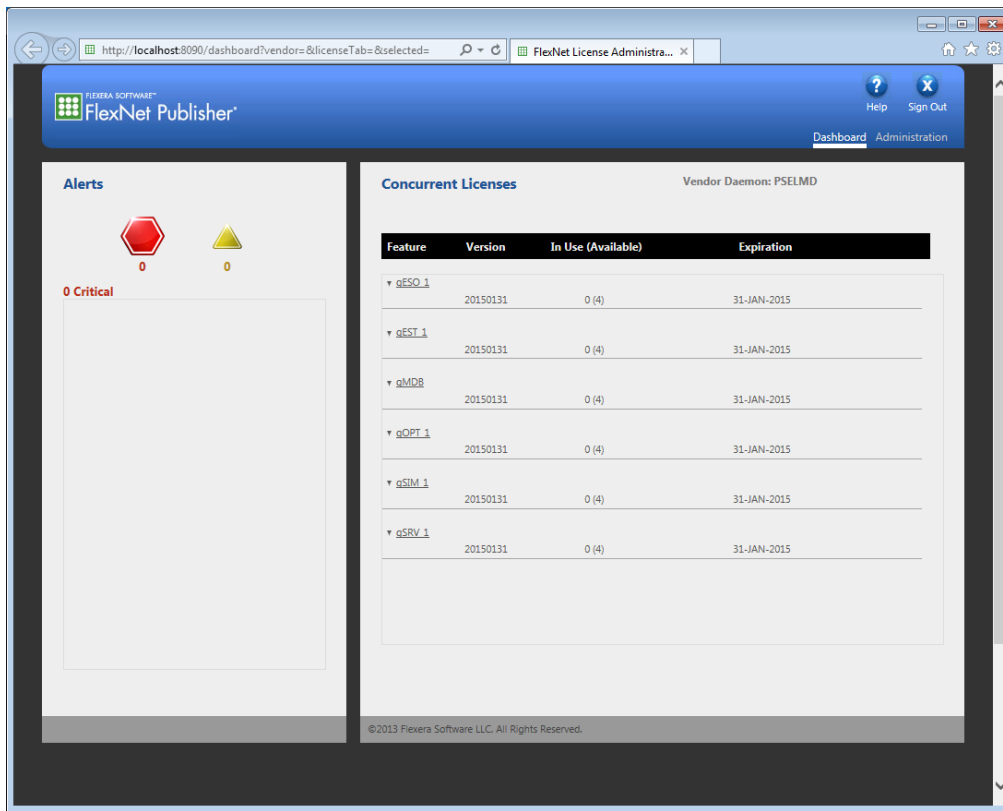
This completes installation and configuration. If you have questions or need assistance, please contact the support group at PSE.