

CFD-ACE+ Installation

V2026

(주)경원이앤씨

Software 설치

- V2026 Install 방법 (관리자 권한으로 실행)

Supported Platforms

ACE+ SUITE V2026.0 is available on the following **64-bit** platforms:

- Windows:
 - Windows 10 and later (Intel or AMD)
- Linux:
 - Red Hat Enterprise Linux 8+ (glibc 2.28)
 - Red Hat Enterprise Linux 9+ (glibc 2.34)
 - (Intel or AMD)

1. 설치파일 위치에서 권한 변경 후 Install.com 실행

→ RedHat 8+ 환경에서 설치 : ACE+Suite_V2026.0_P1_Linux-x64-intel24-glibc2.28

```
# chmod755 ./install.com
```

```
# ./install.com
```

- V2026 Install 방법 (관리자 권한으로 실행)

2. License Agreement 끝 부분까지 'Enter'

License Agreement 동의 "y"를 선택.

```
[root@kwenc 2026.0]# chmod 755 ./install
[root@kwenc 2026.0]# ./install

/home/kwenc/Software/Linux_8/2026.0
*****
          ACE Suite Software Installation
*****
          Please consult the
          Getting Started Guide
          for detailed instructions.
*****

Installing patch for version 2026.0, platform linux-x64-intel24-glibc2.28

Unable to find installed 2026.0 under ACE_SUITE_HOME/ACE+Suite '/usr/local/KWENC/ACE+Suite'.
Doing regular install.

Press 'Enter' for 'End User License Agreement'.
```



```
CFD ACE+ SOFTWARE LICENSE AGREEMENT APPLIED MATERIALS CONFIDENTIAL
Copyright © 2007-2024, Applied Materials, Inc. 6 REV20220824
```

```
Do you agree with the 'License Agreement'? [y/n]
Please answer y or n.
```

```
Do you agree with the 'License Agreement'? [y/n] y
```

```
Thank you.
```

- V2026 Install 방법 (관리자 권한으로 실행)

3. 설치를 원하는 위치 설정

설치 위치를 기본 위치에서 변경하고자 한다면 "n"를 선택

Ex) /Home/kwenc/Software/2026.0/ACE+Suite → /usr/local/KWENC/ACE+Suite

```
Package(s) will be installed in directory:
Install path : /home/kwenc/Software/Linux_8/2026.0/ACE+Suite

Is this ok? [y/n] n

Provide a new installation path (ACE+Suite will be added at the end):
/usr/local/KWENC
Install path : /usr/local/KWENC/ACE+Suite

Is this ok? [y/n] y
```

프로그램을 선택적으로 설치하지 않고 전체 프로그램을 설치하고자 한다면 "y"를 선택.

```
Extracting packages at /usr/local/KWENC/ACE+Suite

Install ALL packages? [y/n] y
```

- V2026 Install 방법 (관리자 권한으로 실행)

4. Software 설치 완료

License 서버 및 사용자 환경 추가 설정 필요(다음페이지 'License 서버 설정' 참고)

```
Installation complete.

*****
ACE Suite Software Installation Complete
*****

To finish the installation, you may need to perform the following steps:

1. Install the license server.
2. Request and install the license keys.
3. Run /usr/local/KWENC/ACE+Suite/config_user_account to setup the environment.

Contact support_cfd@amat.com if you have any questions.
/usr/local/KWENC
[root@kwenc 2026.0]#
```

[Install the license server]

License 서버 설정

FlexNet 11.19

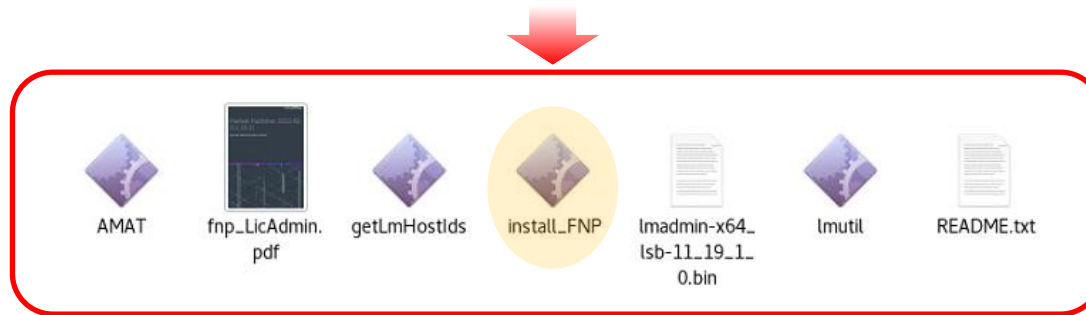
❖ Install_FNP 실행 (관리자 권한으로 실행)



- install_FNP 관리자 권한으로 실행

→ Red Hat Enterprise Linux 8+ (glibc 2.28) → LICENSES_11.19-linux-x64-intel19-glibc2.28

→ Red Hat Enterprise Linux 9+ (glibc 2.34) → LICENSES_11.19-linux-x64-intel19-glibc2.34



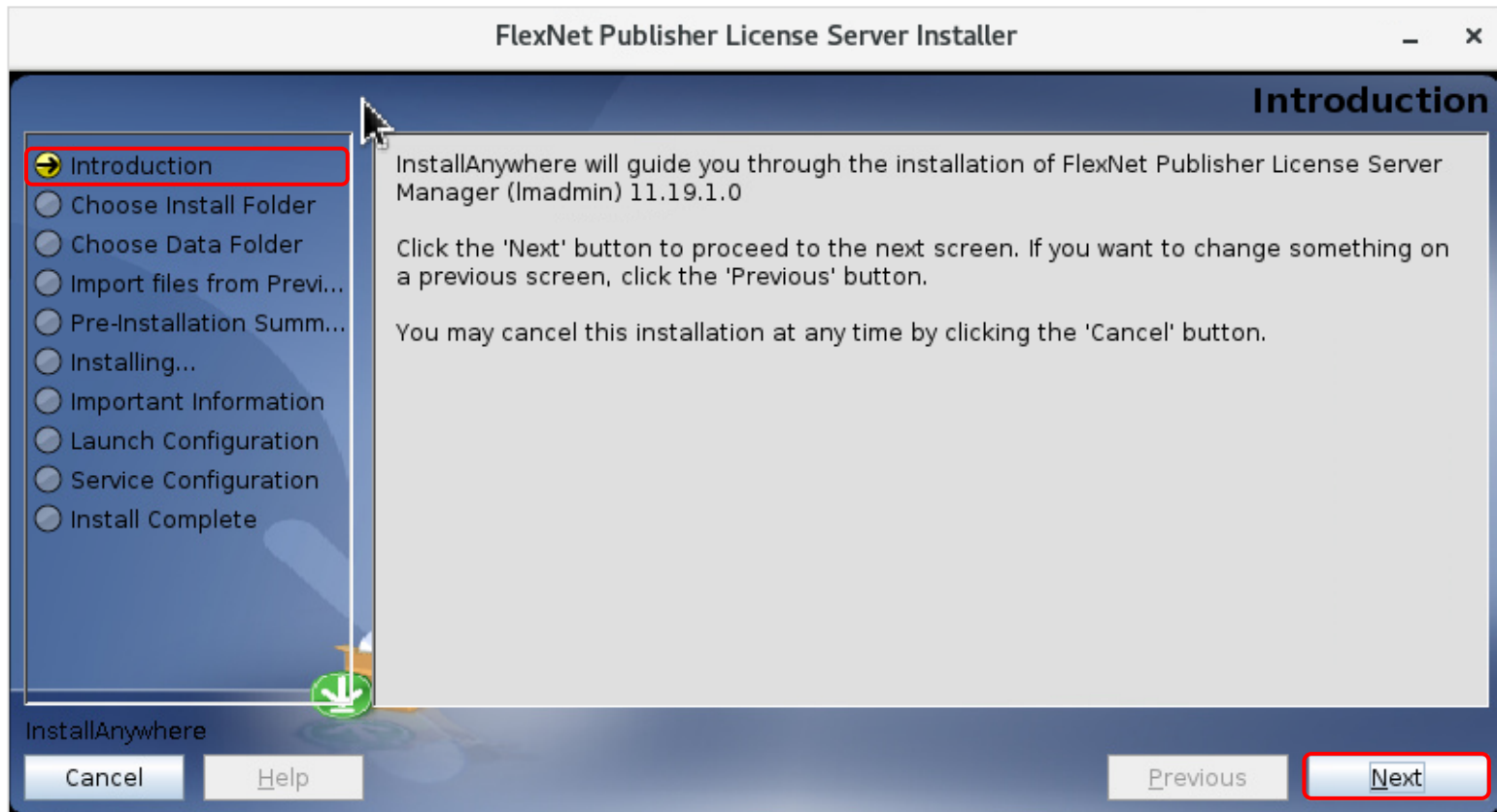
Red Hat Enterprise Linux 8+ (glibc 2.28) 적용

```
[root@kwenc LICENSES_11.19-linux-x64-intel19-glibc2.28]# ll
total 67328
-rwxr-xr-x. 1 kwenc kwenc 1515728 Sep  1  2022 AMAT
-rwxr-xr-x. 1 kwenc kwenc 3487422 Dec 19  2022 fnp_LicAdmin.pdf
-rwxr-xr-x. 1 kwenc kwenc 10300640 Jan  6  2023 getLmHostIds
-rwxr-xr-x. 1 kwenc kwenc 10301672 Jan  6  2023 install_FNP
-rwxr-xr-x. 1 kwenc kwenc 42036801 Dec 16  2022 lmadmin-x64_lsb-11_19_1_0.bin
-rwxr-xr-x. 1 kwenc kwenc 1281400 May 18  2022 lmutil
-rwxr-xr-x. 1 kwenc kwenc 5908 Dec 24  2022 README.txt
[root@kwenc LICENSES_11.19-linux-x64-intel19-glibc2.28]# ./install_FNP
executing: ./lmadmin-x64_lsb-11_19_1_0.bin -DLIC_PORT_NUMBER=31415 -r /tmp/tmpbfm537yk/fnpInstallerResponses.txt
Preparing to install
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...
```

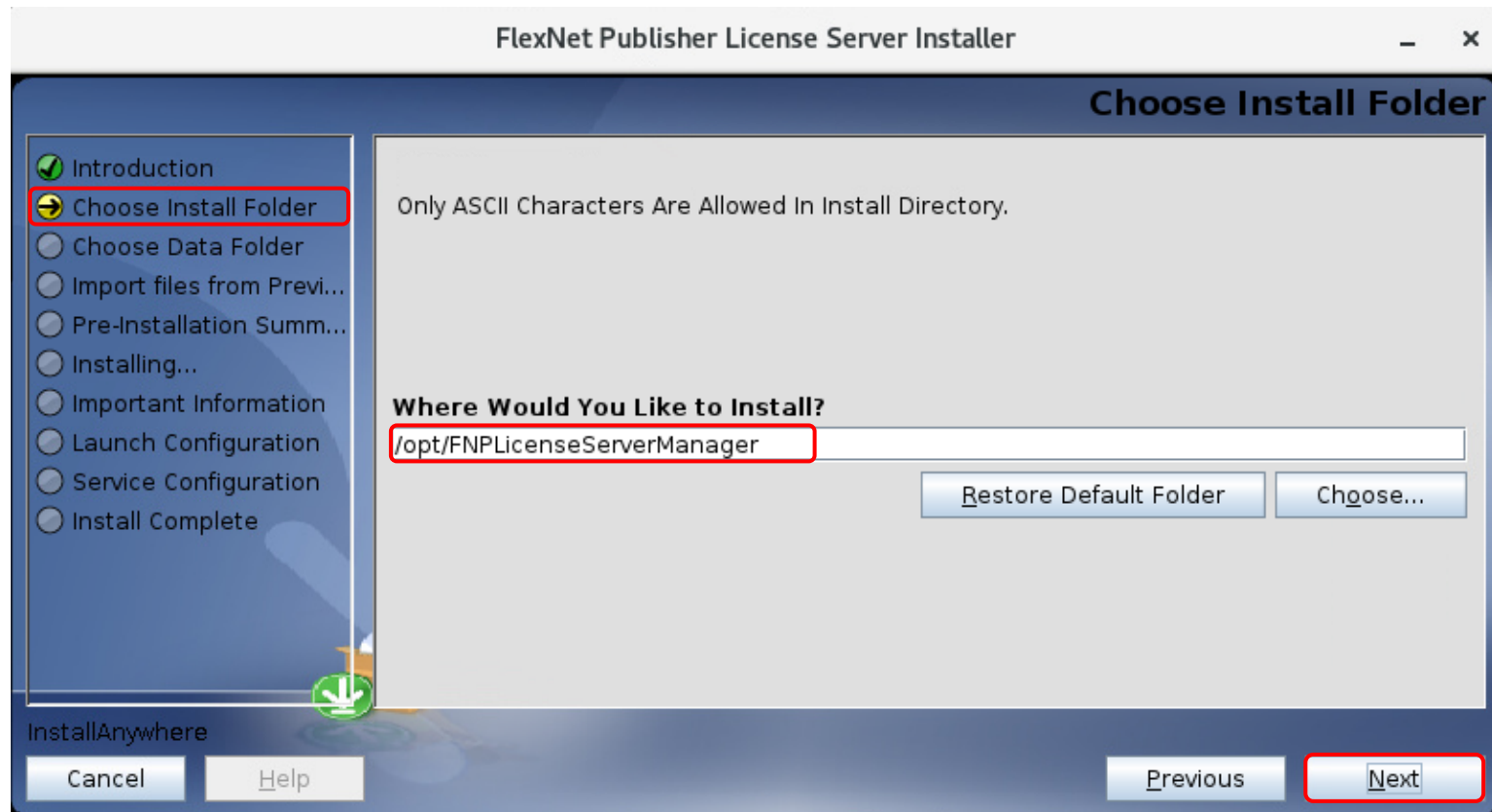
❖ Flexera software 설치

- install_FNP 관리자 권한으로 실행
→ 위치 : LICENSES_11.19-linux-x64-intel19-glibc2.17



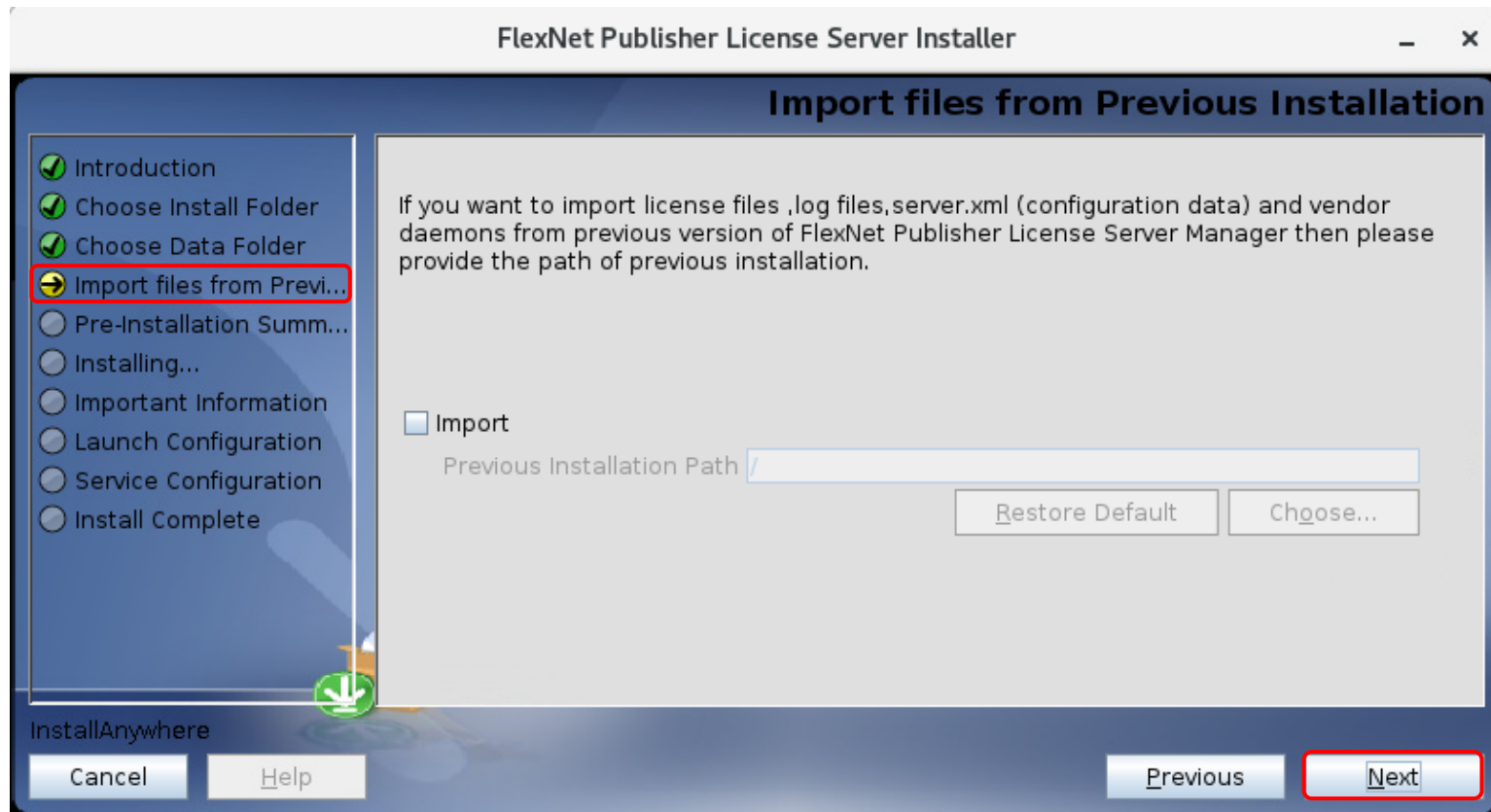
❖ Flexera software 설치

- “lmadmin-x64_n6-11_19_1_0.exe” 관리자 권한으로 실행
→ Visual C++ Redistributable 설치 선택



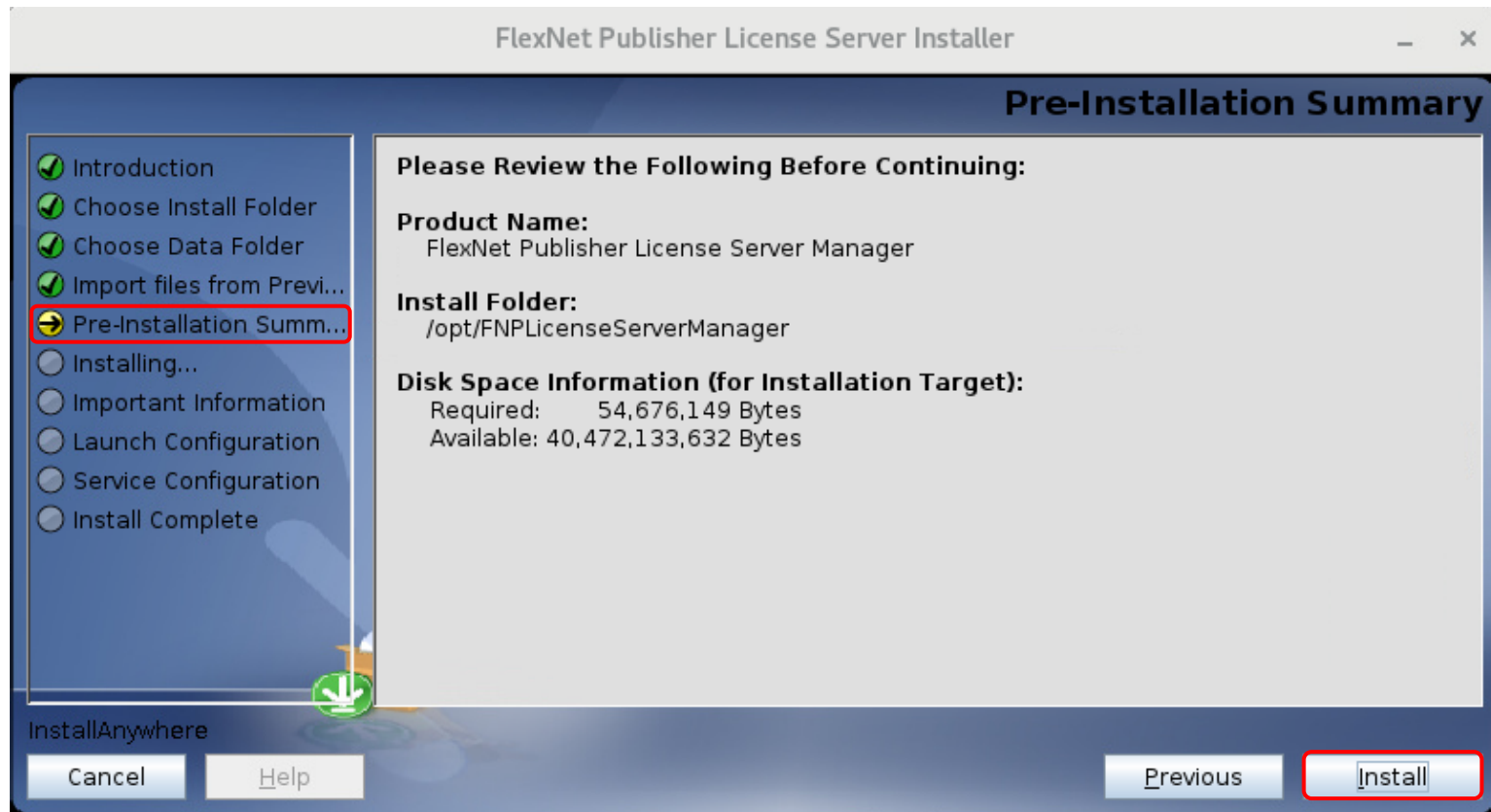
❖ Flexera software 설치

- “lmadmin-x64_n6-11_19_1_0.exe” 관리자 권한으로 실행
→ Visual C++ Redistributable 설치 선택



❖ Flexera software 설치

- “lmadmin-x64_n6-11_19_1_0.exe” 관리자 권한으로 실행
→ Visual C++ Redistributable 설치 선택



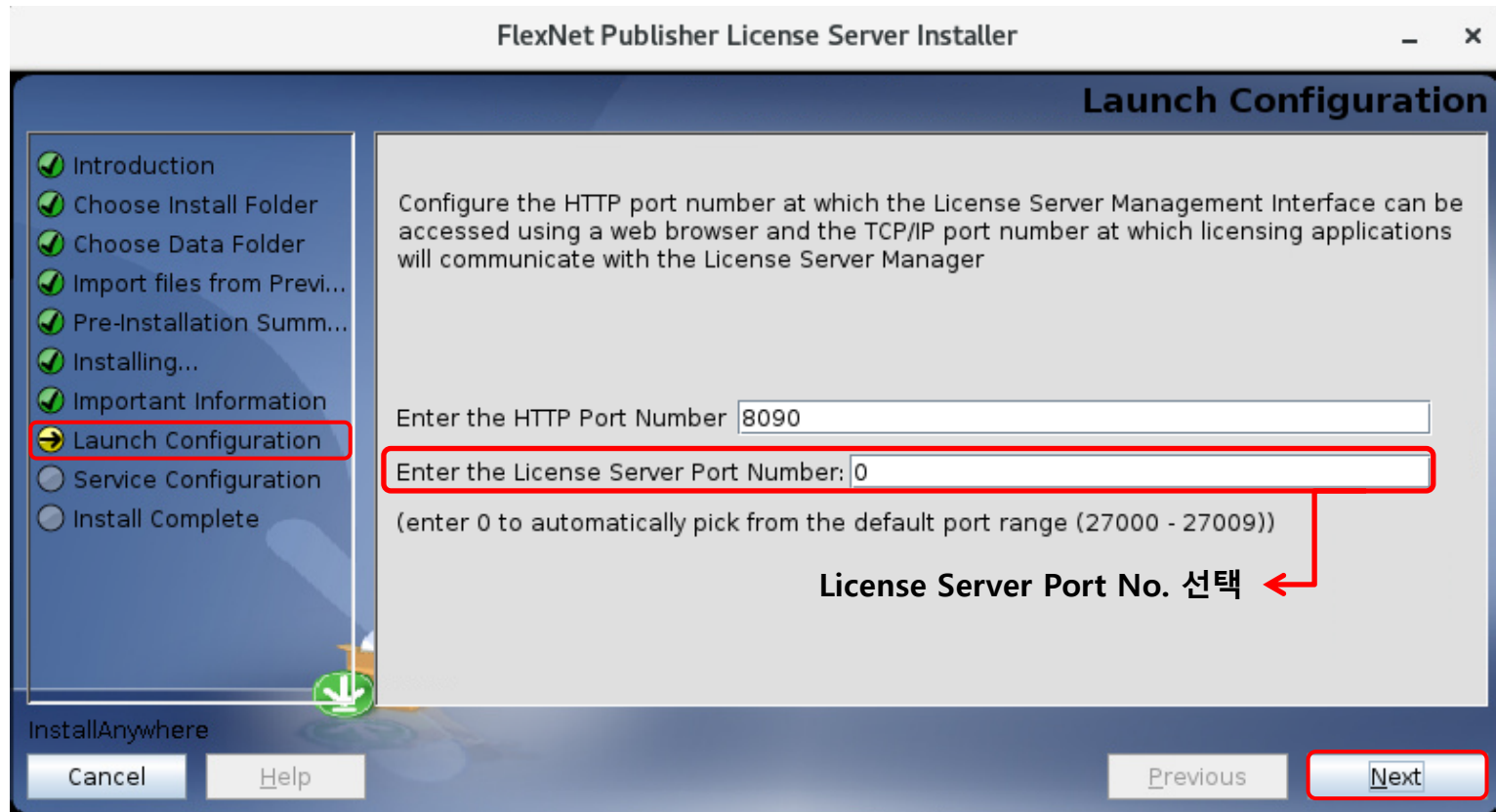
❖ Flexera software 설치

- “lmadmin-x64_n6-11_19_1_0.exe” 관리자 권한으로 실행
→ Visual C++ Redistributable 설치 선택



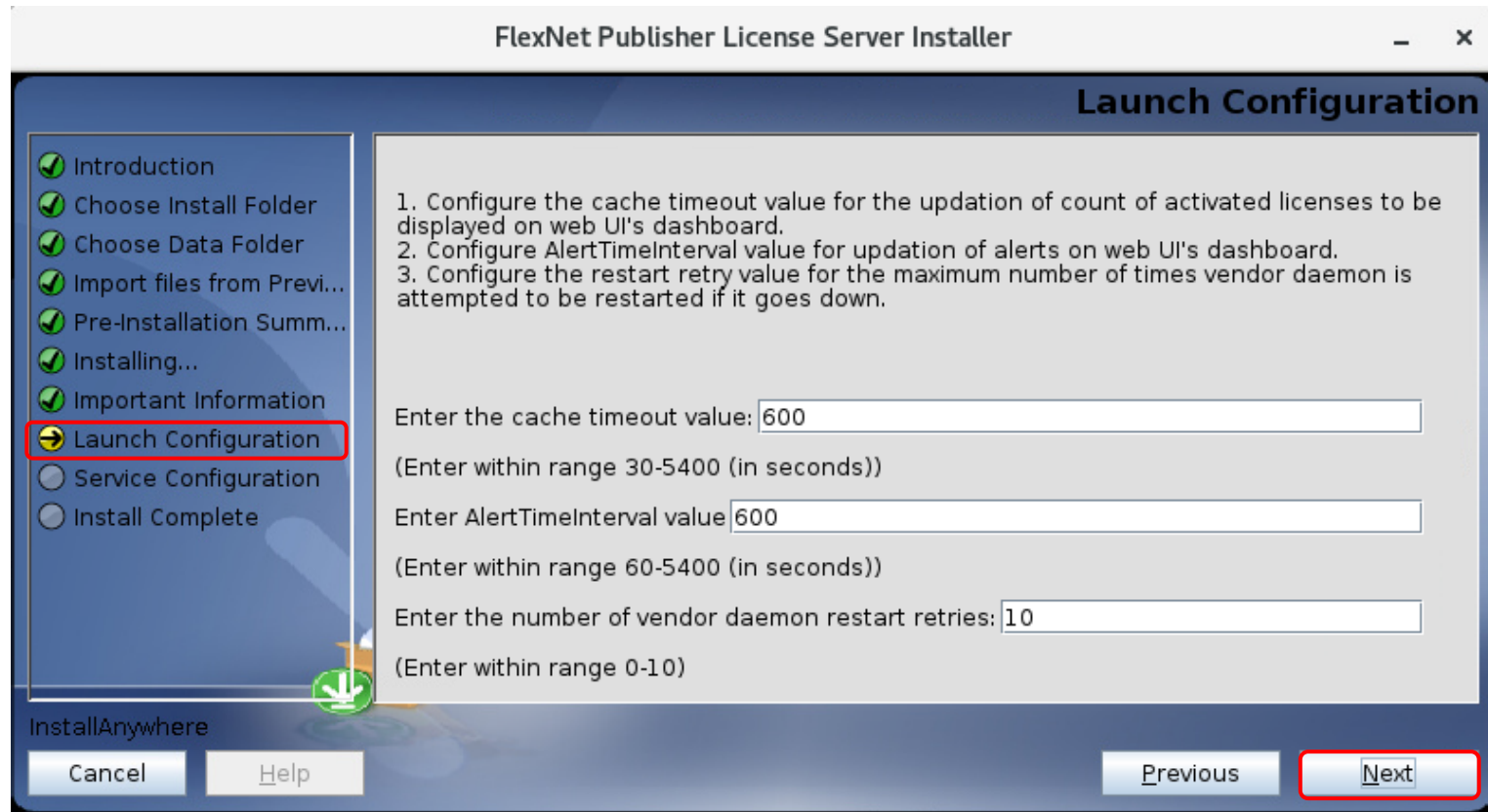
❖ Flexera software 설치

- "ladmin-x64_n6-11_19_1_0.exe" 관리자 권한으로 실행
→ Visual C++ Redistributable 설치 선택



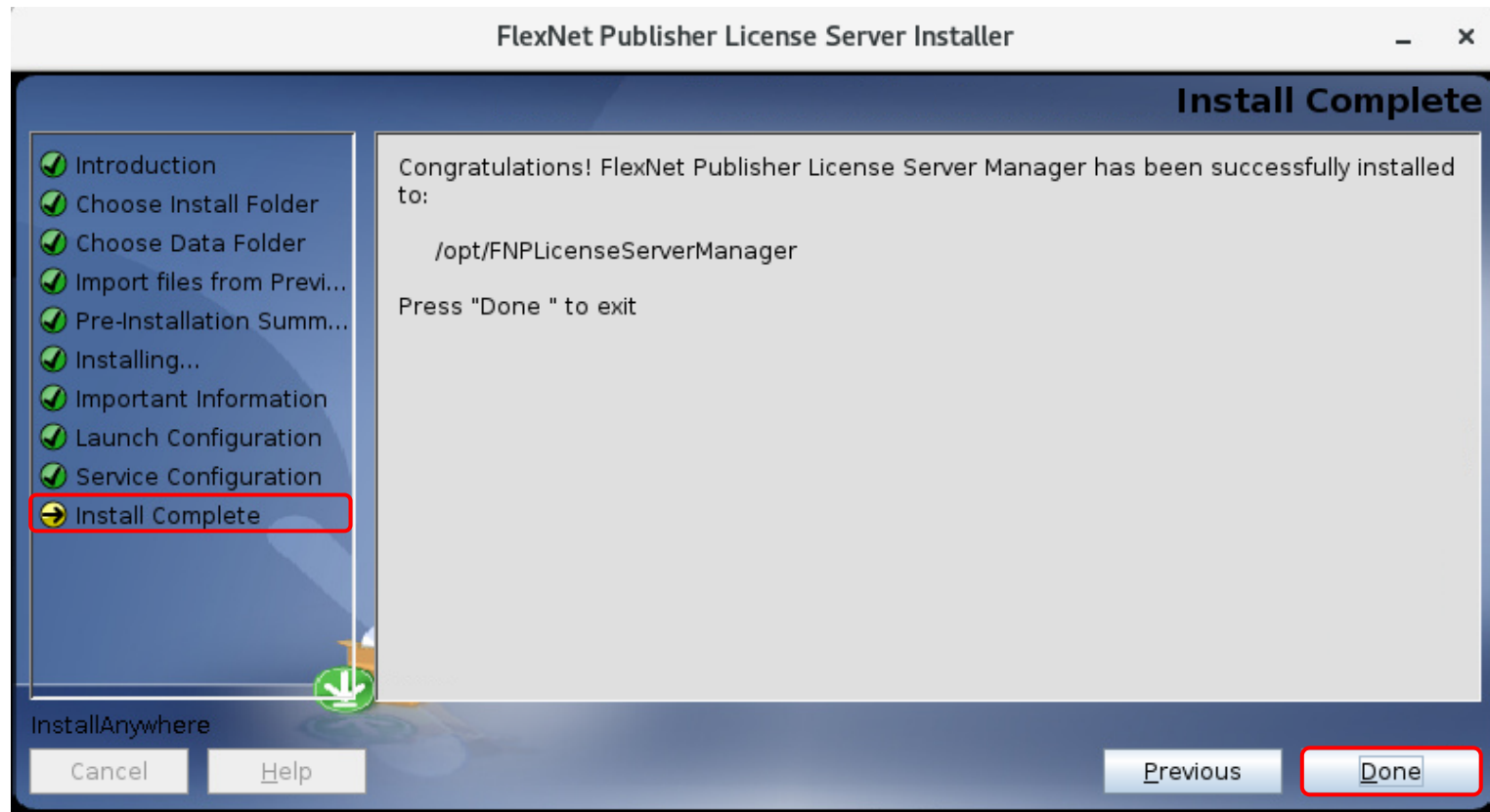
❖ Flexera software 설치

- “lmadmin-x64_n6-11_19_1_0.exe” 관리자 권한으로 실행
→ Visual C++ Redistributable 설치 선택



❖ Flexera software 설치

- "ladmin-x64_n6-11_19_1_0.exe" 관리자 권한으로 실행
→ Visual C++ Redistributable 설치 선택



❖ FNP license service 활성화

- "lmadmin" 관리자 권한으로 실행

→ 위치 : /opt/FNPLicenseServerManager/lmadmin

```
[root@kwenc FNPLicenseServerManager]# ll
total 42684
-rwxr-xr-x. 1 root root 1522816 Oct 26 2022 AMAT
drwxrwxr-x. 2 root root 96 Jun 13 14:39 conf
drwxrwxr-x. 2 root root 38 Apr 26 11:31 demo
drwxrwxr-x. 5 root root 51 Apr 26 11:31 examples
-rw-r--r--. 1 root root 10849572 May 18 2022 libcrypto.so
-rw-r--r--. 1 root root 10849572 May 18 2022 libcrypto.so.1.1
-rw-r--r--. 1 root root 3142888 May 4 2022 libhasp_linux_x86_64.so
-rw-r--r--. 1 root root 70447 May 18 2022 liblber.so
-rw-r--r--. 1 root root 70447 May 18 2022 liblber.so.2
-rw-r--r--. 1 root root 70447 May 18 2022 liblber.so.2.0.200
-rw-r--r--. 1 root root 428223 May 18 2022 libldap.so
-rw-r--r--. 1 root root 428223 May 18 2022 libldap.so.2
-rw-r--r--. 1 root root 428223 May 18 2022 libldap.so.2.0.200
-rw-r--r--. 1 root root 2612801 May 18 2022 libssl.so
-rw-r--r--. 1 root root 2612801 May 18 2022 libssl.so.1.1
-rwxr-xr-x. 1 root root 10583928 May 18 2022 lmadmin
drwxr-xr-x. 2 root root 77 Jun 13 14:39 logs
-rw-r--r--. 1 root root 1267 May 4 2022 README-swidtag-lmadmin.txt
-rw-r--r--. 1 root root 8804 May 4 2022 regid.2009-06.com.flexerasoftware_f646749c-e3a1-45a3-8ea5-e3b65044c359.swidtag
drwxr--r--. 2 root root 270 Apr 26 11:31 uninstall
drwxrwxr-x. 7 root root 131 Apr 26 11:31 web
drwxrwxr-x. 2 root root 32 Apr 26 11:31 wsd1
[root@kwenc FNPLicenseServerManager]# ./lmadmin
[root@kwenc FNPLicenseServerManager]# httpd (pid 9032) already running
```

❖ FNP license service 활성화

- "ladmin" 관리자 권한으로 실행

→ 위치 : /opt/FNPLicenseServerManager/ladmin

아래와 같은 오류 발생

Linux에서 라이선스 서버 명령 './lmutil'을 사용할 때 다음과 같은 오류가 발생 할 때

```
/lib64/ld-lsb-x86-64.so.3: bad ELF interpreter: No such file or directory
```

원인 및 해결 방법

Linux 라이브러리 누락으로 인한 오류

이 오류를 방지하려면 root 권한으로 'redhat-lsb' 라이브러리를 설치

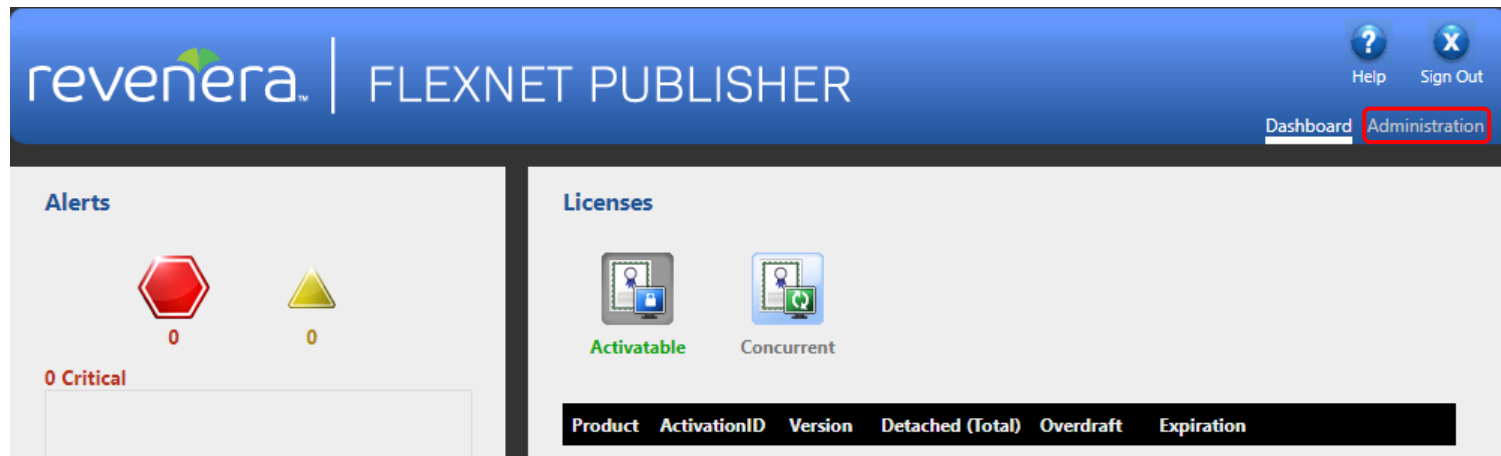
```
yum -y install redhat-lsb
```

❖ FNP license service 활성화

- 라이선스 관리자는 웹 인터페이스를 통해 구성

→ 인터넷 주소창에 아래 내용 작성

<http://localhost:8090/>



→ 오른쪽 상단 Administration을 클릭하여 아래 정보를 통해 로그인

user=admin / password=admin

(로그인 정보를 변경할 경우 경원이앤씨 담당자와 공유 - 추후 조치 시 필요)

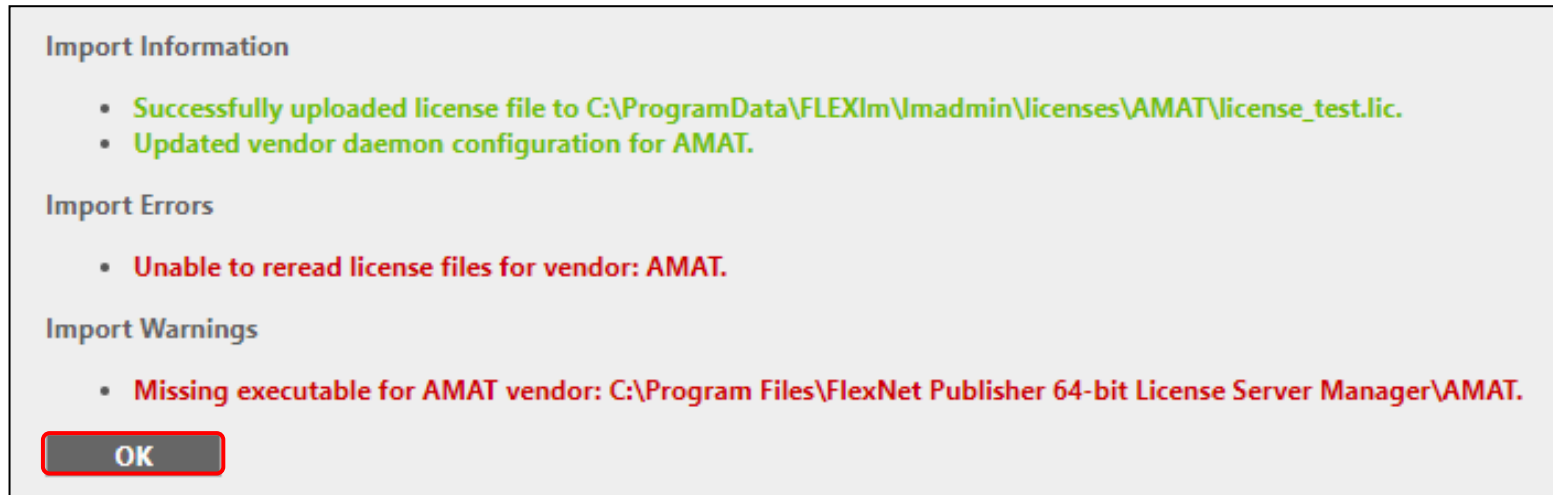
❖ FNP license service 활성화

- 라이선스 관리자는 웹 인터페이스를 통해 구성
 - 왼쪽 하단 'Vendor Daemon Configuration' 탭 이동
 - 왼쪽 상단 'Import License' 탭을 통해 라이선스 파일 import

The screenshot displays the 'Vendor Daemons' configuration page in the Reverera FlexNet Publisher web interface. The page header shows 'User Name: admin' and navigation links for 'Help' and 'Sign Out'. The left sidebar contains several configuration tabs: 'System Information', 'User Configuration', 'Alert Configuration', 'Server Configuration', and 'Vendor Daemon Configuration' (highlighted with a red circle and the number 1). The main content area shows the 'Vendor Daemons' section with an 'Import License' button (highlighted with a red circle and the number 2). Below this button is a table with columns for 'Name', 'Status', 'FlexNet Publisher Version', and 'Port'. An 'Import License File' dialog box is open, showing a file selection field with '파일 선택' and 'license_test.lic' (highlighted with a red circle and the number 3), and a checked checkbox for 'Overwrite License File on License Server'. The 'Import License' button in the dialog is highlighted with a red circle and the number 4.

❖ FNP license service 활성화

- 라이선스 관리자는 웹 인터페이스를 통해 구성
→ 아래와 같은 에러 발생시 OK 클릭



❖ FNP license service 활성화

- 라이선스 관리자는 웹 인터페이스를 통해 구성

→ 붉은색 상자 영역 클릭

revenera | FLEXNET PUBLISHER

User Name: admin Help Sign Out

Dashboard Administration

Vendor Daemons

Import License

Name ▲	Status	FlexNet Publisher Version	Port	
AMAT	Stopped	0.0	Administer	Delete

System Information

User Configuration

Alert Configuration

Server Configuration

Vendor Daemon Configuration

❖ FNP license service 활성화

Vendor Daemon:AMAT

Vendor Daemon Actions

④ **Start**

General Configuration

* License File or Directory
/home/kwenc/license/AMAT/license_test.lic

① **Vendor Daemon Location:**
/home/kwenc/software/LICENSES_11.19-linux-x64-intel19-glibc2.17/AMAT
← 절대경로 입력 (8페이지 AMAT 위치 참고)

② * Vendor Daemon Port:
 Use default port
 Use this port: 50000
방화벽에서 port 번호가 열려있는지 확인

* Restart Retries:
10
 Preserve Vendor Daemon Restart Retries value during Imadmin restart

Enable Date-based Versions

Vendor Daemon Log

Overwrite Vendor Daemon Log

Vendor Daemon Log Location:
./AMAT.log

[View file externally](#) → 오류 발생시 클릭하여 오류 내용 확인

③ **Save** **Cancel**

❖ FNP license service 활성화

- 라이선스 관리자는 웹 인터페이스를 통해 구성

→ Vendor Daemons 활성화 후 확인되는 Port No.는 방화벽에서 제외 된 상태여야 함



revera | FLEXNET PUBLISHER

User Name: admin Help Sign Out

Dashboard Administration ①

Vendor Daemons

Starting vendor daemon: AMAT

Import License

Name ▲	Status	FlexNet Publisher Version	Port	Administer	Delete
AMAT	Starting Up	0.0	50000	Administer	Delete

Vendor Daemon Configuration ②

❖ FNP license service 활성화

User Name: admin ? Help X Sign Out
Dashboard
Administration

Alerts



0



0

0 Critical

Licenses

Vendor Daemon: AMAT



Activatable

2


Concurrent

라이선스 사용 현황 확인 가능

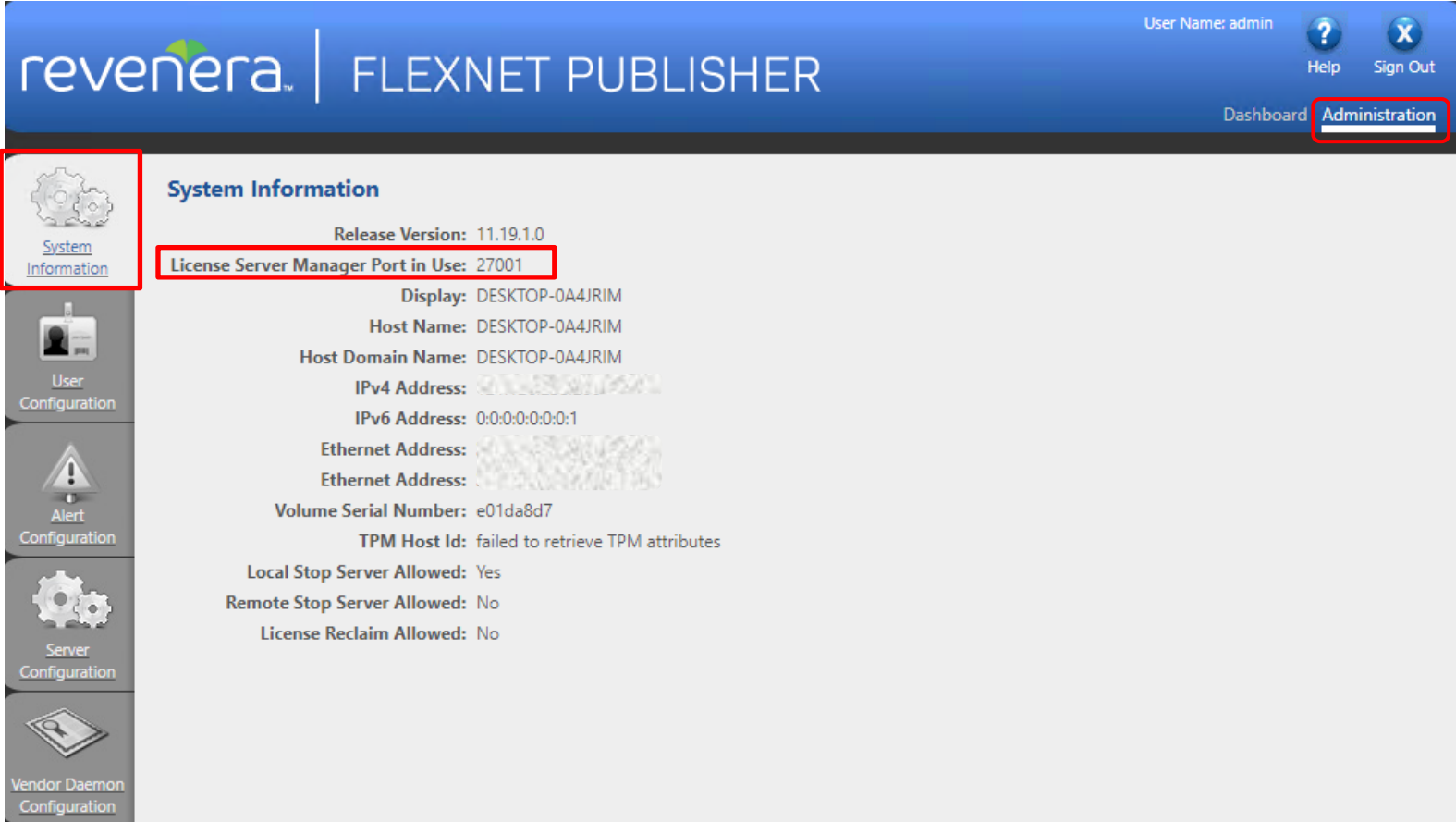
Feature	Version	In Use (Available)	Expiration
▼ CFD_INTEROP_CATV4	2026.0	0 (1)	2026-02-20
▼ CFD_INTEROP_CATV5	2026.0	0 (1)	2026-02-20
▼ CFD_INTEROP_PROE	2026.0	0 (1)	2026-02-20
▼ CFD_INTEROP_PRLD	2026.0	0 (1)	2026-02-20
▼ CFD_INTEROP_SLDWRKS	2026.0	0 (1)	2026-02-20
▼ CFD_INTEROP_STEP	2026.0	0 (1)	2026-02-20
▼ CFD_INTEROP_UX	2026.0	0 (1)	2026-02-20

[Change Password](#)
©2022 Reverera. All Rights Reserved.

사용자 환경 설정

- **License Server Manager Port 확인**

- License Server Manager Port를 확인하여 방화벽에서 제외
- Vender Daemons(23page) Port 확인 후 방화벽에서 추가 제외



The screenshot shows the FlexNet Publisher Administration web interface. The top navigation bar includes the 'revera' logo, 'FLEXNET PUBLISHER', and user information 'User Name: admin'. There are links for 'Help' and 'Sign Out'. The main navigation menu on the left includes 'System Information', 'User Configuration', 'Alert Configuration', 'Server Configuration', and 'Vendor Daemon Configuration'. The 'System Information' page is active, displaying various system details. A red box highlights the 'License Server Manager Port in Use: 27001' field.

System Information
Release Version: 11.19.1.0
License Server Manager Port in Use: 27001
Display: DESKTOP-0A4JRIM
Host Name: DESKTOP-0A4JRIM
Host Domain Name: DESKTOP-0A4JRIM
IPv4 Address: 192.168.1.100
IPv6 Address: 0:0:0:0:0:0:1
Ethernet Address: 08:00:27:00:00:00
Ethernet Address: 08:00:27:00:00:00
Volume Serial Number: e01da8d7
TPM Host Id: failed to retrieve TPM attributes
Local Stop Server Allowed: Yes
Remote Stop Server Allowed: No
License Reclaim Allowed: No

• 사용자 환경 설정하기

Home 디렉토리에서 실행한 .bashrc 파일(bash shell을 사용할 경우)에 아래와 같이 환경설정

→ 아래 예시의 경우 Home 디렉토리는 /usr/local/KWENC

```
[kwenc@kwenc ~]$ cd
[kwenc@kwenc ~]$ pwd
/home/kwenc
[kwenc@kwenc ~]$ vi .bashrc
```

```
# .bashrc

# Source global definitions
if [ -f /etc/bashrc ]; then
    . /etc/bashrc
fi

# User specific environment
if ! [[ "$PATH" =~ "$HOME/.local/bin:$HOME/bin:" ]]
then
    PATH="$HOME/.local/bin:$HOME/bin:$PATH"
fi
export PATH

# Uncomment the following line if you don't like systemctl's auto-paging feature:
# export SYSTEMD_PAGER=

# User specific aliases and functions

export ACE_SUITE_HOME=/usr/local/KWENC
export PATH=$ACE_SUITE_HOME/ACE+Suite/2026.0/UTILS/bin:$PATH

export LM_LICENSE_FILE=27001@ server IP
```

→ SERVER PC의 IP 주소 입력 필요
→ 27page에서 확인된 port 번호 입력 필요

※ .bashrc 파일은 수정 후 재 Login 또는 source .bashrc를 실행해야 환경변수가 적용 됨

Thank you for your attention

KWEnC CAE solution provider

Mail to : support@kwenc.kr

Phone : +82-31-737-2987

Fax : +82-31-737-2989

Address : 704, Woolim Lions Valley, 311-3 Sangdaewon, Jungwon, Seongnam, Gyeonggi,
462-806 Korea

Copyright(c)KWENC, All right reserved.
