

Quick guide on using Application Server for Net Express v31 SP1

The information provided in this document can also be found in these locations:

- Application Server for Net Express v3.1 SP1 installation Help file, Readas31.hlp
- Application Server Licensing User Guide
- Net Express v3.1 SP1 Online Help

How to use the supplied Application Server setup

Run the Application Server setup program, setup.exe, which is in the application server directory of your Application Server for Net Express CD. This setup program is interactive and prompts the end-user for information. To run it, use the command:

```
setup
```

To install Application Server silently, without any prompts, use the -s option as follows:

```
setup -s
```

When you install silently, Application Server is installed in the default location and the license database is set up in its default location if there is no license database created yet. You can specify non-default locations, by specifying them in the silent install script file, setup.iss. This file is also in the application server directory of your Application Server for Net Express CD.

Specify the paths you want by editing the following lines of the script file:

In szPath, specify the directory where Application Server will be installed. For example, the following installs Application Server into the default directory:

```
szPath=C:\Program Files\Micro Focus\Application Server
```

In svPath, specify the directory where the license database will be set up if one does not already exist. For example, the following sets up the license database in its default directory:

```
svPath=C:\mfaslmf
```

If you do **NOT** want to be prompted for a serial and license key numbers, modify the file MicroFocusAppServ31.ini so that setup does not prompt for a license key. Set the entry to Yes:

[Requirements]
ASLMNoLicensePrompt=Yes

How to set up an application with its own Application Server

1. Create a setup script to install Application Server:
 - a. Copy the required Application Server files into the directory where you will install your application. For more details to determine what files to ship please read the Online Help material called ***"Shipping Your Application"***. To find this material on this, go to the Help contents: Development Environment and then Shipping Your Application. Please note the attached list of Mandatory files for Licensing;

Mandatory Files

Functionality:

AppTrack utility
Licensing support files

Files you must ship:

apptrack.exe
prodfile.
Semfile.
National Language Support message files mflangdf.lbr (default language)
mflang01.lbr (American English)
mflang05.lbr (English)
mflang20.lbr (Japanese)

Optional Files (Recommended)

If you require support for:

Utility to enter license keys silently
Utility to set up the license database

Files needed:

aslmprocsilent.exe
aslmproclocate.exe *

- b. Search for an existing license database and set up a new one if necessary.
See section ***"How To set up a license database"***
 - c. Optionally, install the AS license key silently.
See section ***"How To install an AS license silently"***
 - *Note: The aslmproclocate.exe file only sets the location of the license database file in the Windows Registry*

2. Install the application executable files in the same directory as Application Server.
3. Create a shortcut pointing to the application. We recommend a shortcut in preference to adding the application directory to the user's path, so that you avoid interactions with other COBOL applications.
4. If the license database is installed on a server, set up the database location on the end-users' machines. See section ***"How To set up a networked license database"***

How to set up a license database location

1. Find out whether a license database already exists, which might be the case if you have other applications using Application Server already installed. To do this, run the `asImpclocate` utility as follows:

```
asImpclocate [-q]
```

Where `-q` is optional and runs the utility quietly without interacting with the user.

Where the return code:

0	means ASLMFDIR is set
1	means ASLMFDIR is not set

If you are not running quietly, the location of the license database is displayed on the screen, or else "fail" is displayed together with the return code.

If you are running quietly, check the outcome using the return code, which is also stored in the registry (as a string containing a decimal number), in:

```
HKEY_LOCAL_MACHINE/SOFTWARE/Micro Focus/ASLMF/status
```

2. If there is no license database set up, add the following steps to your setup script:

Either prompt the user for a directory for the license database and create that directory, or use the default, which is `c:\mfaslmf`.

Copy the Application Server files `prodfile` and `semfile` into that directory.

Set up the database using the following command:

```
asImpclocate [-q] path
```

Where:

<code>-q</code>	Is optional. Runs the utility in quiet mode without interacting with the user.
<code>path</code>	Is the path of the license database.

Where the return code:

0	means completed ok.
99	means other error

If you specify a path containing spaces, you do not need to enclose the path in quotes, although you can if you wish. For example, the following command sets up a database in the directory, `d:\my license database`:

```
asImpclocate -q d:\my license database
```

3. If a license database already exists, you should normally use that one, but you can set up a new one and use that one instead, as described above. You will need to warn the user that the AS licenses in the existing database will no longer be accessible and that the licenses will need to be reinstalled in the new license database.

How to install an AS license silently

1. Set up the license database if you have not already done so. See **How to set up a license database** section.
2. Add a command to your application's setup script to install the license key silently, as follows:

```
aslmprocsilent function serial license
```

Where the parameters must be in the above order and are:

function 1 - does not install the license if there is already a license on the database.

function 2 - installs the license regardless of whether other licenses exist in the db. (of course, the license is never installed if it already is installed on the db - the same license can't be installed multiple times to a db)

serial - Is the serial number, such as 112233449A. No spaces are allowed.

license - Is the license number, such as 01280 10000 018a5 53d0f 3fdd.

Note: Each specific license key can only be installed into the license database once. If an attempt is made to install an already installed license a second time, the license installation attempt is ignored

For example:

```
aslmprocsilent 2 112233449A 01280 10000 018a5 53d0f 3fdd
```

3. If you will be using the supplied setup program to install Application Server, modify the file MicroFocusAppServ31.ini so that setup does not prompt for a license key. Set the entry to Yes:

```
[Requirements]
```

```
ASLMNoLicensePrompt=Yes
```

How to set up a networked license database

Set the ASLMFNET environment variable on the end-users' machines to point to the location of the network license database, as follows:

```
set ASLMFNET=license-db-path
```

Where license-db-path is the path of the license database. If you specify a path containing spaces, do not enclose the path in quotes.

Sample 1 "Silent" BAT installation file

```
echo off
setup -s
asImpclocate -q f:\myapsnx31\lcdb
asImpcsilent 1 NXDEVAS5 01280 10780 05C04 D5E09 55C0
echo Installation completed
```

Sample 2 "Silent" BAT installation file

```
echo off
echo ***** Starting installation of Application Server for Net Express *****
setup -s

asImpclocate -q

if errorlevel 0 goto FOUNDDB
asImpclocate -q f:\myapsnx31\lcdb
asImpcsilent 1 NXDEVAS5 01280 10780 05C04 D5E09 55C0
if errorlevel 0 goto END
echo ***** License not set call Support *****
goto END

:FOUNDDB
asImpcsilent 2 NXDEVAS5 01280 10780 05C04 D5E09 55C0
if errorlevel 0 goto END
echo ***** License not set call Support *****
goto END

:END
echo ***** Installation of Application Server for Net Express completed *****
```

Sample changes to be made to SETUP.ISS file used for silent install

```
[SdAskDestPath-0]
svPath=f:\myapsnx31\lcdb

[AskDestPath-0]
szPath=f:\myapsnx31
```

Sample MicroFocusAppServ31.ini file used for silent install

```
[Requirements]
ASLMNoLicensePrompt=Yes
```