

Creating an Unattended Installation

AspenTech provides a way to automatically deploy AspenTech software to multiple computers to ensure a consistent configuration of the software on all target computers. The aspenONE Installer provides a means to record user inputs using the built-in record option. The output of this recording can then be used to perform an unattended install using the **atrununattended.exe** tool.

The **Prepare Deployments** workflow in the installer allows you to specify install options as well as the location of the response file. The generated response file encrypts user-entered passwords and provides an easy means to overwrite any directory locations, and other configuration settings customizable at install time.

The **unattended install tool** (**atrununattended.exe**) supports additional deployment options to make mass deployment easier for the end user. Refer to the support site to see all the options that can be used with the unattended install tool (article ID: 000016597).

Notes:

Identical machine configurations must be used for recording the responses for unattended installs. For example, you can't record options to install on a Windows 10 system and then use the unattended install on Windows 7 systems.

aspenONE family-based product installs can be recorded. Stand-alone Administration tools (such as SLM Tools and SLM Server) cannot be recorded. SLM Tools, if necessary, can be silently installed using one of the command lines below:

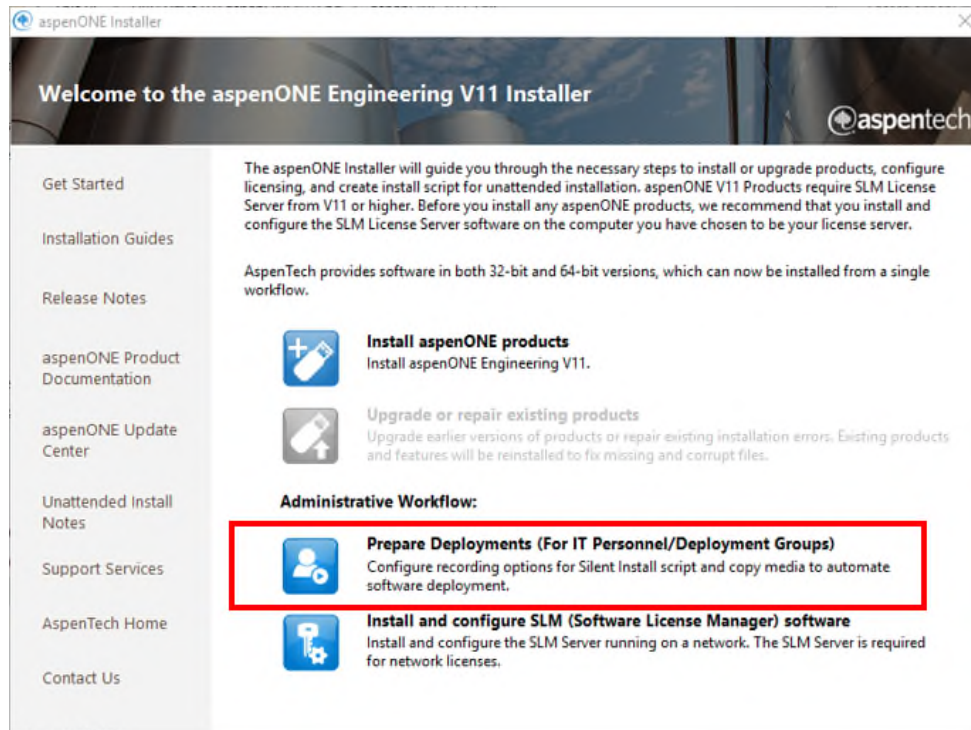
```
msiexec /qb /i "SLM Tools.msi" ADDLOCAL=ALL INSTALLLEVEL=100
```

```
msiexec /qb /i "SLM Tools(64-bit).msi" ADDLOCAL=ALL INSTALLLEVEL=100
```

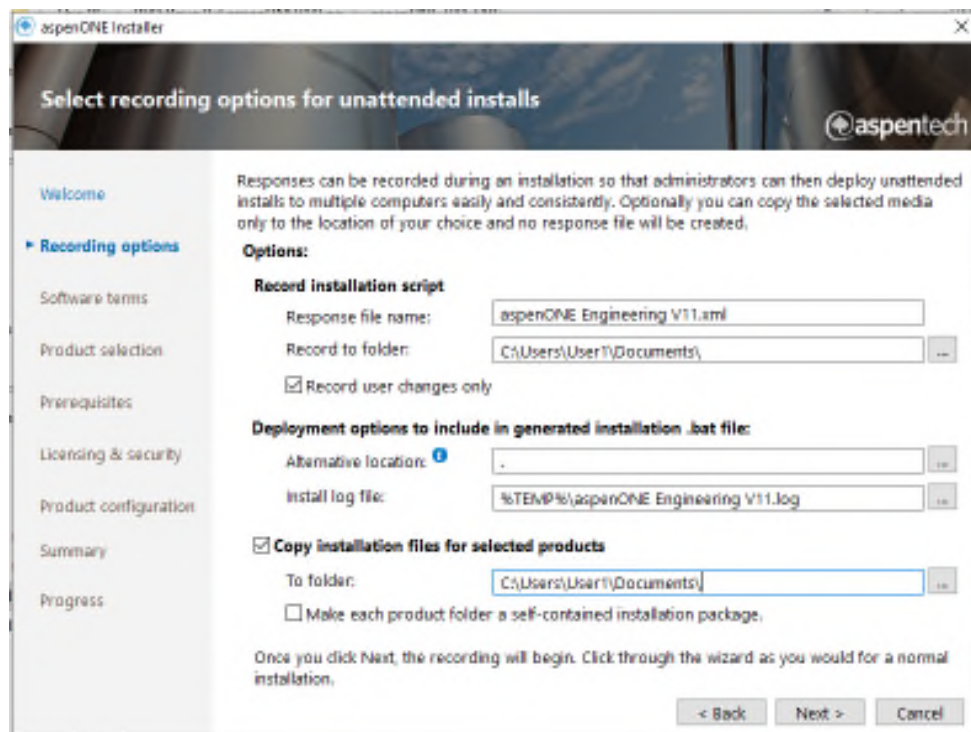
Please note that the 64-bit version of SLM Tools can only be used by the 64-bit version of the software. 32-bit software versions use the 32-bit version of SLM Tools while running on a 64-bit computer.

Using the “Prepare Deployments” Workflow to Record Response File

1 Choose **Prepare Deployments** on the **Installer Welcome Screen**.



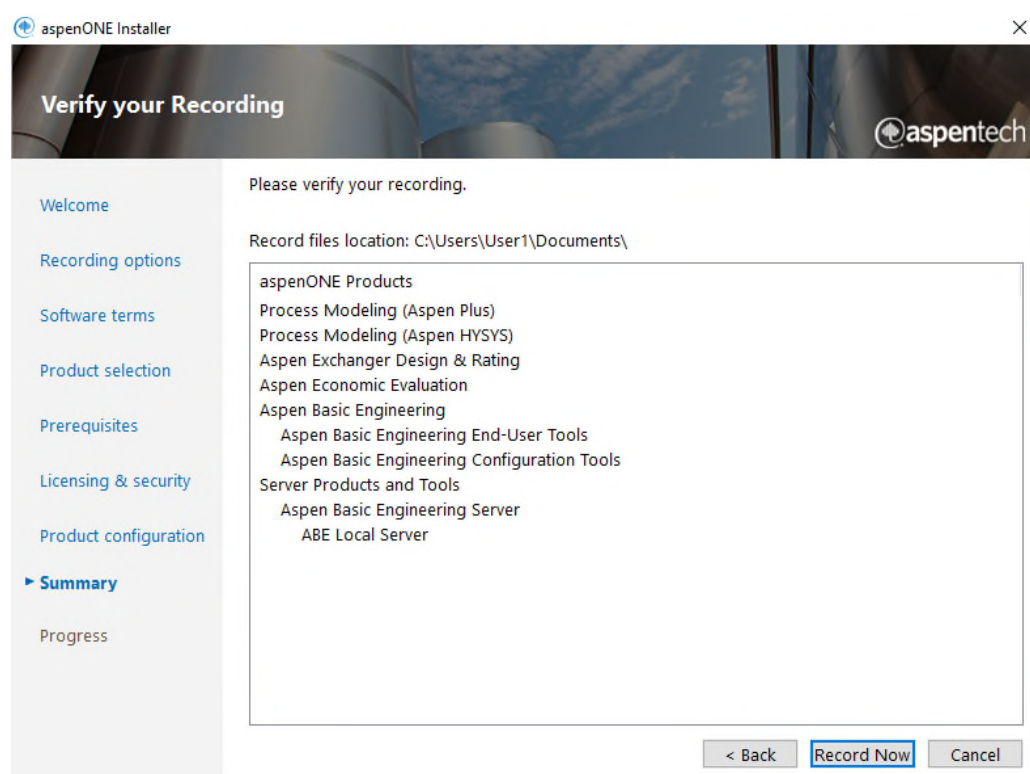
There is single screen to set the recording options:



- 2 Specify the response file name and the location if different from the default. The default location is specified for you.
- 3 Choose the option to **Record user changes only** to produce a shorter and easier to edit .xml file. This option is selected by default.
- 4 You can choose whether you want to **Copy installation files for the selected products**, and if so, designate the location to which you want them extracted. Depending on the products selected, this may create a smaller unattended install package. Otherwise the entire suite is included.

Note: If the program detects there is not enough disc space for the selected products to be extracted to the specified location, you will be alerted and informed how much of disc space is need to extract the selected product(s).

- 5 Click **Next**. The aspenONE Suite you selected will be launched in the record mode.
- 6 Click through the workflow as you do a normal installation.



- 7 Click **Record Now** on the **Verify your Recording** screen. Three generated response/answer files will be stored in the location you specified above.

The three silent deployment files listed below are automatically created and stored in the location you specified above during the Prepare Deployment workflow. A description of

these files follows:

File Extension	Description
.mst	Windows Installer transform file (.mst). Provides configuration settings for customized installations across a collection of computers in your organization. You can use this transform file when deploying the software through enterprise software deployment systems such as Microsoft SMS, SCCM, etc.
.xml	Provides a shorter and easier to edit file if the Record user changes only option is selected as an unattended install option.
.bat	Sample batch file. Used to execute the .xml file using atrununattended.exe

Editing the Response File

The generated .xml response file can be opened in a regular text editor such as **Notepad**, and modified if necessary by changing directory paths, etc. Values should be enclosed in double quotes, though quotes may be omitted if the property value includes no empty spaces. You can edit the .mst file as well using an MST file editor. While the property values, etc. may be modified, the content should conform to the Windows Installer property definition convention of name value pairs.

atrununattended.exe

The following options are set by default for the **atrununattended.exe**:

- Reboot, if necessary
- Show Progress Indicator
- Generate MIF
- Enable Verbose Logging
- Put Log file in %TEMP%
- Alternate media location

Note: Run ATRunUnattended.exe /? to get a listing of all the supported command line switches of this tool.

Handling of the Shared Redistributables

aspenONE installer automatically installs some of the required 3rd party redistributables. These redistributables are found in the sub folder \core\ on the media along with other shared installation files.

If during the Prepare Deployments recording process, you checked the option to **Copy installation files for selected products**, a *single* core folder containing the redistributables for all the selected products will be included under the aspenonesuite directory. This is the recommended option when copying installation files.

However, if you would like the ability to mix and match subsets of products together, you can check the box, **Make each product folder a self-contained installation package**, and a core folder is created under each product folder in the aspenonesuite directory instead. This option gives you more flexibility in creating your silent install packages, but

may also result in a larger package being created due to some duplicate files being delivered under each core folder.

License Key Initialization

aspenONE V8.x requires that all license keys be initialized before they are used by an application. aspenONE installation automatically does this initialization, by executing the command line utility SLMLicenseInit.exe from the folder <Common Files>\AspenTech Shared\.