

Technical Note

Kepware Server Install Switches & How to Perform a Silent Install

This document reviews the switches available for the Kepware server installation and how they are used to create and execute a silent installation.

● **Important:** When an INI file is being used (required for customized installation), it is recommended that a new INI file be created with each server release. This accounts for added or removed features and provides a backup of past configurations.

1. Server Install Switches

Switches are case sensitive and must be in lowercase characters. Descriptions of the switches are as follows:

1.1

`/?` - Help

1.2

This switch displays all available switches.

`/q[n|f]` – Installation Mode

This switch manages the user interface.

1.2.1 `/qn` – Silent Installation Mode

This switch sets the UI level to none, which performs a silent installation via the command line.

The End User License Agreement (EULA) switch, `/e`, is required for silent installation.

● **Tip:** To modify the installation settings with user-specified settings, an install INI file is required. To obtain an INI file, first run the install with the `/w` switch. This creates the INI file. Then run the silent install.

● See [Configuring Silent Install INI File](#), see [/e ACCEPT EULA=YES](#)

1.2.2 /qf - Full UI Installation Mode

This switch is for a full installation interface.

/e ACCEPT_EULA=YES

This switch presents the End User License Agreement (EULA), which is required for a Normal or Administrative install (if UI level equals None – silent install).

1.3 /d <PASSWORD> – Set Administrator Password

This switch sets an Administrator password. Passwords must be at least 14 characters in length. It is recommended that the password string includes a mix of uppercase and

1.4 lowercase letters, numbers, and special characters. Avoid well-known, easily guessed, or common passwords.

/o ACCEPT_UNSUPPORTED_OS=YES

1.5 This switch allows installation on an unsupported operating system. For example, Windows 7 is no longer supported by Microsoft, but is acceptable for this installation.

/p – Hard Drive Check Override

1.6 This switch allows the server installation to override or bypass the hard drive check (which verifies that the server is not being installed to removable media). This switch is helpful as some permanent drives may be incorrectly reported as removable media.

1.7 /w – Configure and write INI file

This switch records the selected features during installation and writes the install INI file to the folder in which the installation executable is running. To perform a silent install, run the install with the /qn and /e switches. The INI file must reside in that folder.

1.8

/x - Uninstall

This switch uninstalls the server.

1.9 1.8.1 /x[/qn] – Uninstall product (No UI)

1.10 This switch silently uninstalls the server.

/a <PATH> [/q[n|f]] - Administrative Install to <PATH>

/s - Enable Configuration API

1.11 This switch enables access to the Configuration API Service using HTTPS. The switch is only available for installers that support it. The property may be changed later through the Configuration API Service tab located in the Server Administration Settings.

/h - Enable Configuration API HTTP

This switch enables access to the Configuration API Service using HTTP.

🔴 Use HTTP with caution. It should only be used for internal networks secured through other methods because content is transmitted as plain text. Data such as

user authentication, application keys, and other sensitive information should not be exposed through HTTP. The switch is only available for installers that support it. The property may be changed later through the Configuration API Service tab located in the Server Administration Settings.

2. Configuring Silent Install INI File

The silent install INI file directs the installation process.

1. Create the install INI file.
2. Open the Command Prompt.
3. Run the server install using the /w switch.

```
KepwareServer.exe /w
```

4. Specify which options to include in the silent installation. Feature selections are recorded in the INI file.

● **Notes:**

- It is recommended that the INI file for the target installed version be created on a non-production system. Running the installer to create this file affects the currently installed product.
- Users can modify the installation any time by manually editing the INI file.
- Comments in the file (which are lines that start with a semicolon) explain the meaning of all key value pairs (which are lines that contain an equal sign).

3. Running the Silent Install with an INI File

The user interface and installation options change as features and drivers are added to the server. As such, it is recommended that a new INI file be created with each server release. This ensures its interoperability with the server installation executable.

To run a silent install, follow the steps below:

1. Open the Command Prompt.
2. Run the server install using the /qf switch to display the user interface to validate all the desired features are included.

● **Note:** The INI file must reside in the same folder as the installation executable.

3. Verify the settings specified in the INI file are reflected in the user interface. Modify the INI file as needed.
4. Repeat the validation process until the installation runs as expected.
5. Use the /qn switch to run the installation without the user interface. For example:

```
KepwareServer /qn /e ACCEPT_EULA=YES
```