Installing SQL Server for Wasp On-Prem

AssetCloud OP or InventoryCloud OP

Abstract

Some customers wish to install SQL Server away from the system drive (C:) as much as possible.

Installing SQL Server is preferably a task for a Database Administrator. This guide provides basic information required by Wasp Barcode AC or IC on-premise regarding SQL Server.

This guide will copy the SQL portion of the OP Installer, then modify configuration files before performing the install.

Preparation

Prepare your server features and roles as required by the Wasp On Prem system.

Update the OS.

Procedure

Copy SQL Express Installation

Locate the Wasp AC or IC OP installation files. These may be from an optical disc, zip archive, or ISO image that has been mounted.

Navigate to ISSetupPrerequisites.

Copy the folder SqlExpress to a local drive. For example, the server's Downloads folder. The folder should be local to the server, not on a network drive. Note that, depending on the version of Windows, you may need to "unblock" the folder.

Edit ConfigurationFile.ini

Navigate to the newly copied SqlExpress folder.

Locate and open for editing the file 'ConfigurationFile.ini'.

Note that the default file lacks specific installation path information. This is because, by default, it installs SQL Express to the system drive.

You are going to add lines to this file to change that behavior.

Add the following lines to the [OPTIONS] section. Naturally modify the path for your desired location.

```
INSTALLSHAREDDIR="E:\bin\Microsoft SQL Server"
INSTALLSHAREDWOWDIR="E:\bin (x86)\Microsoft SQL Server"
INSTANCEDIR="E:\bin\Microsoft SQL Server"
```

After adding the lines, the file may look something like this:
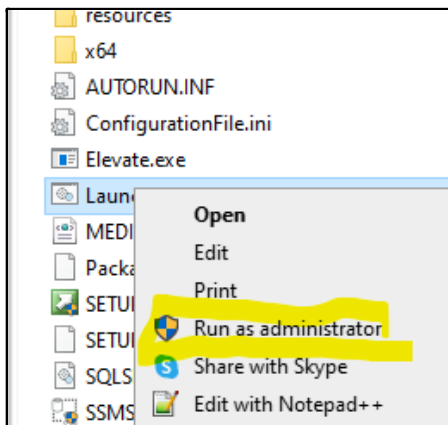
```
1    ;SQL Server 2017 Configuration File
2    [OPTIONS]
3
4    ACTION="Install"
5    FEATURES=SQLENGINE,CONN,LOCALDB,SNAC_SDK,SDK
6
7    INSTALLSHAREDDIR="E:\bin\Microsoft SQL Server"
8    INSTALLSHAREDWOWDIR="E:\bin (x86)\Microsoft SQL Server"
9    INSTANCEDIR="E:\bin\Microsoft SQL Server"
10
11   INSTANCEID="WASPDATA"
12   INSTANCENAME="WASPDATA"
13   IACCEPTSQLSERVERLICENSETERMS
14   HIDECONSOLE
15   UpdateEnabled="false"
```
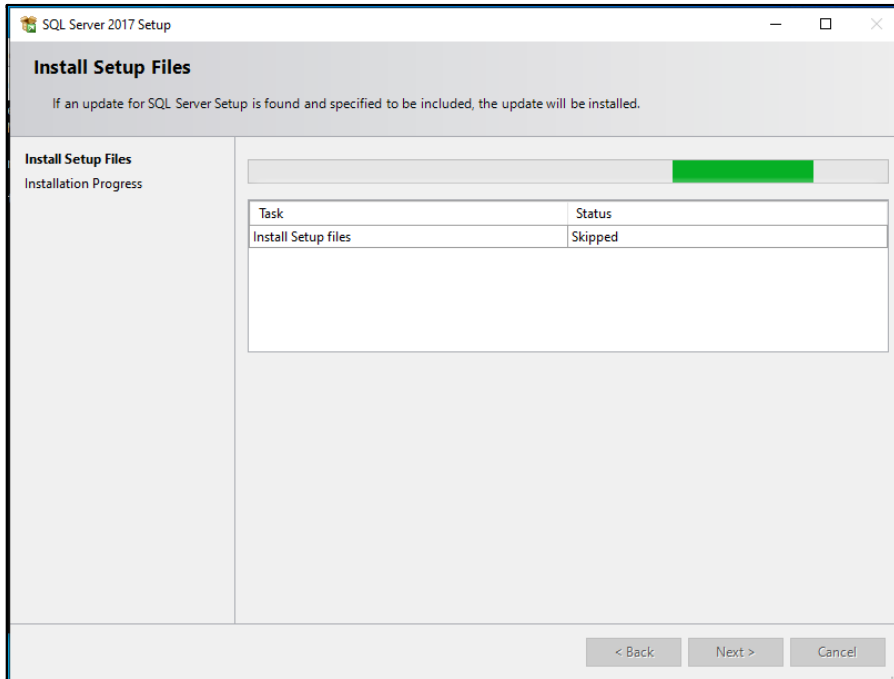
Save the file.

Run the SQL Express Setup

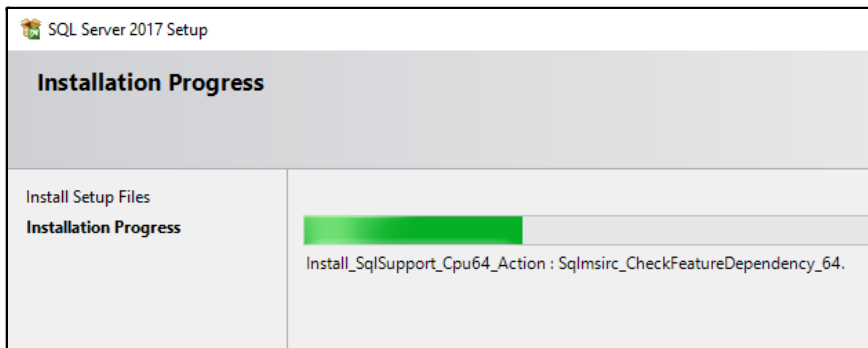Now that the ini file is modified, find the file Launch64.bat.

Right click on it and select "Run as administrator".

Installation will commence.

This process will take time.

The SQL Express installer will exit when complete.

Close the command prompt.

Optional Steps

Optionally you might install SQL Server Management Studio on the server. It is handy to have SSMS available.

Note: the OP installer will setup the databases. There is no need to run the database setup scripts.

Conclusion

SQL Express is now installed on the server. The use of the configuration file means the collation sequence, SA account and communication protocols are configured for use.