Installing SQL Server 2016

Selecting Which Features to Install

Don't just install every available feature on a Production instance of SQL Server!

Only install features you actually need

Reduces attack and patching surface

Reduces resource usage

Other features can easily be installed later

Use a development instance to experiment

Developer Edition: free and has all features

Feature Selection Screen
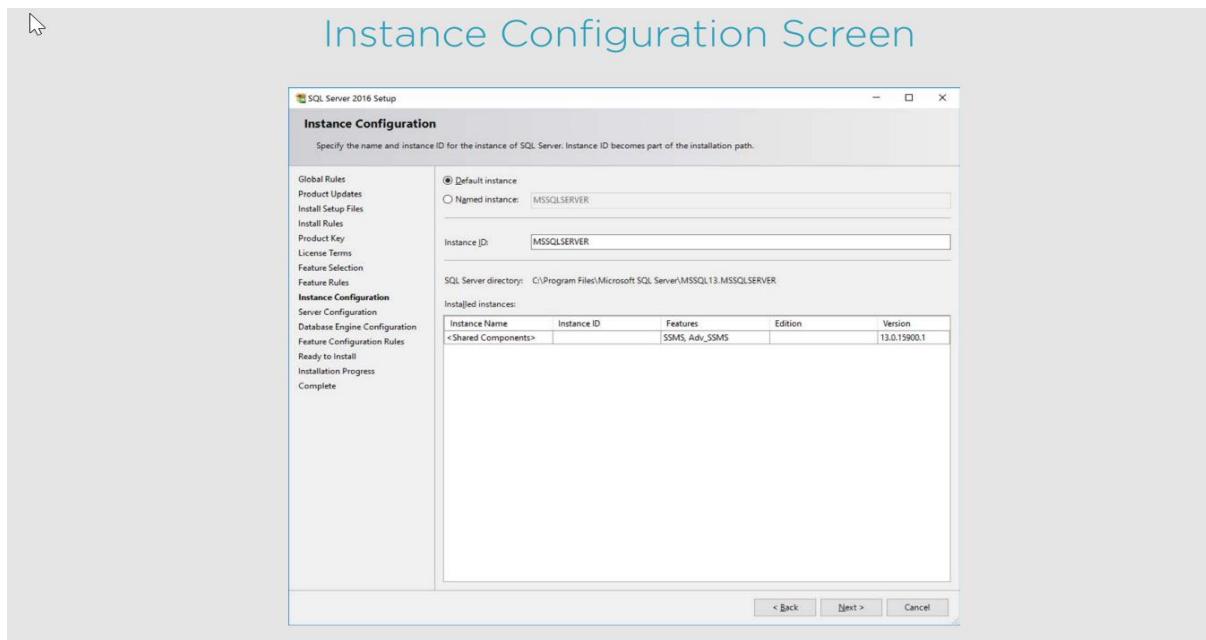
Instance Configuration

Choose between default instance or a named instance	**16-character limit for name of a named instance**
More common for Production servers to only have single instance of SQL Server installed	**Multiple instances are more useful for development and testing**
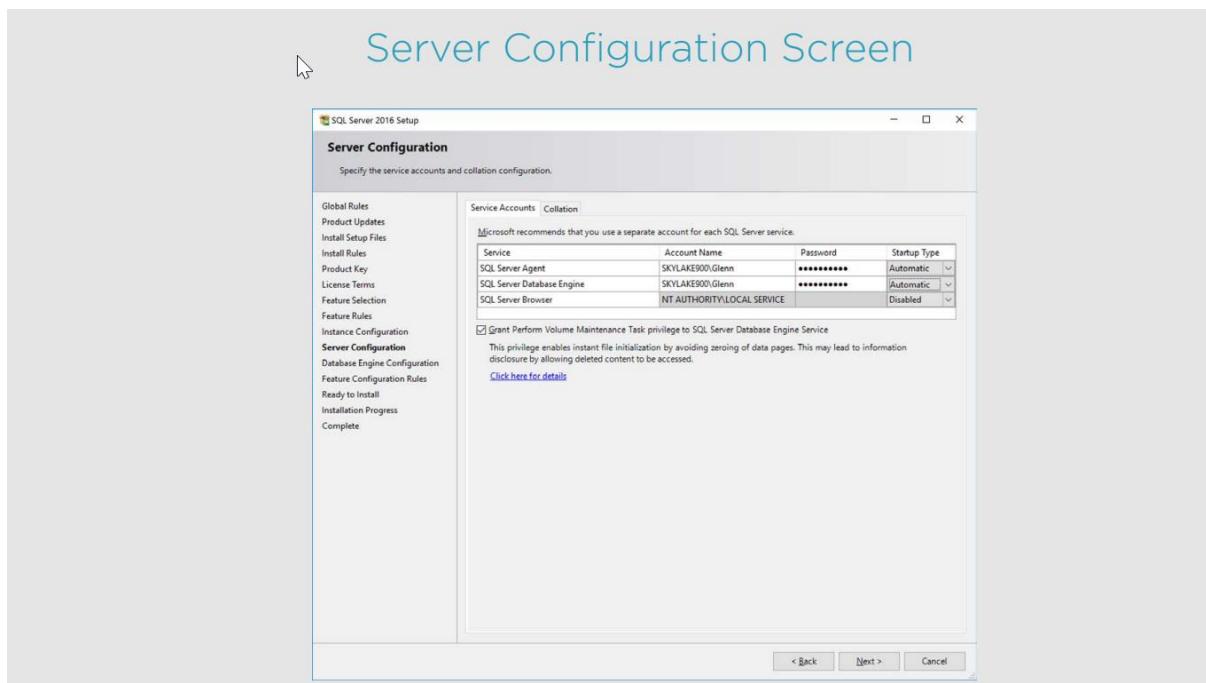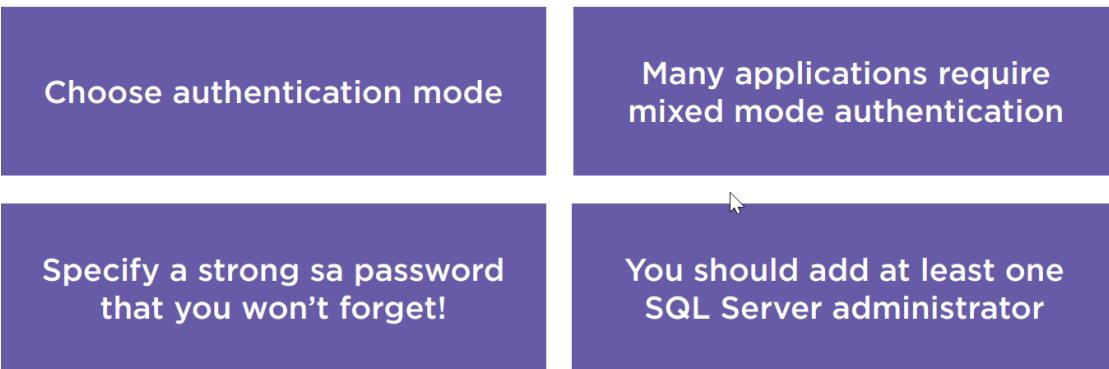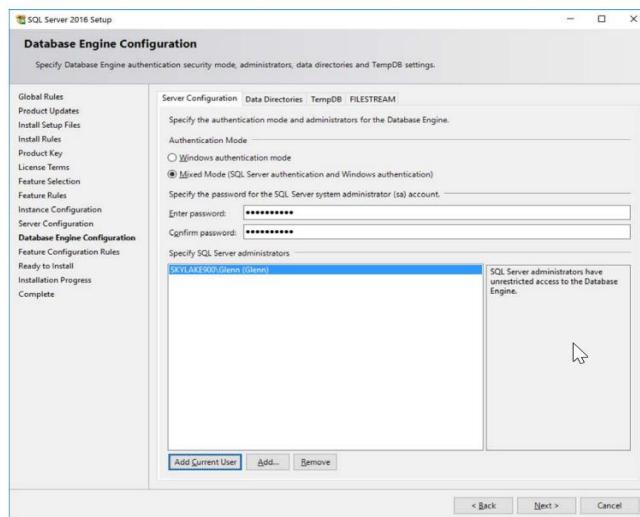
Instance Configuration Screen

Server Configuration

You need to specify accounts for each SQL Server-related service	You will need the account name and password for each account	Make sure to change SQL Server Agent service to automatic startup

Server Configuration Screen

# Database Engine - Server Configuration

|	
Choose authentication mode	Many applications require mixed mode authentication
Specify a strong sa password that you won't forget!	You should add at least one SQL Server administrator
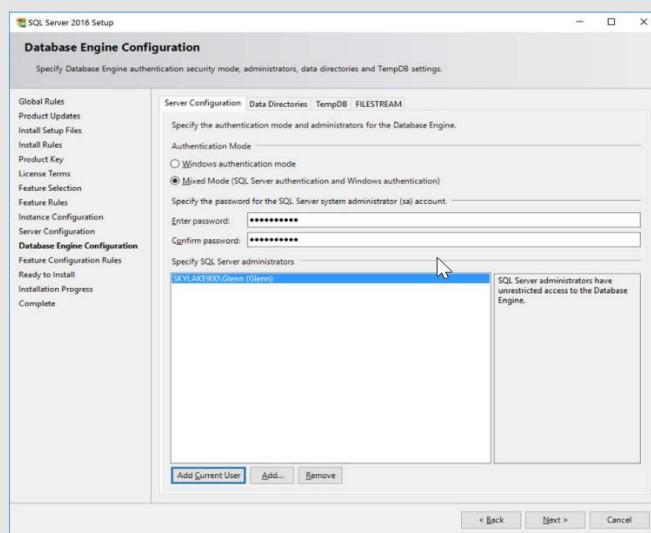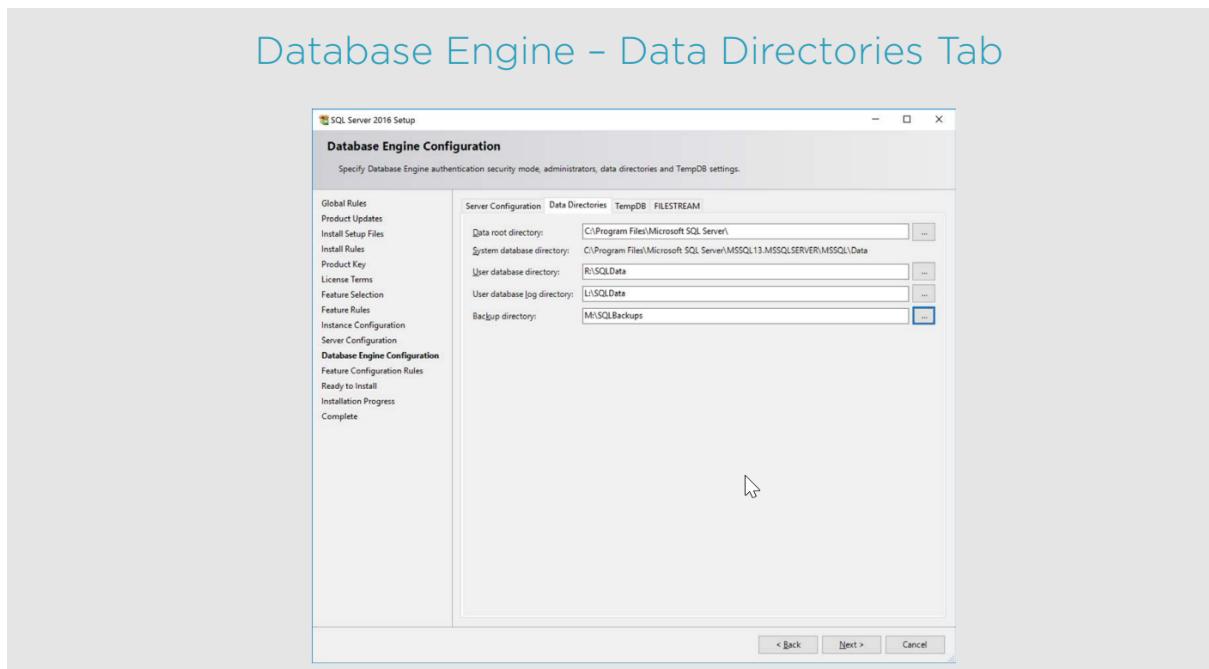
Database Engine – Server Configuration Tab
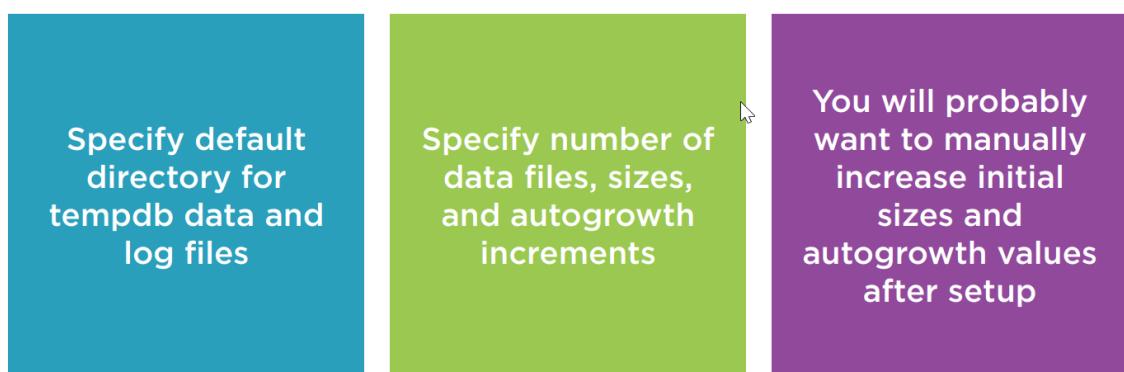

Database Engine – Server Configuration Tab
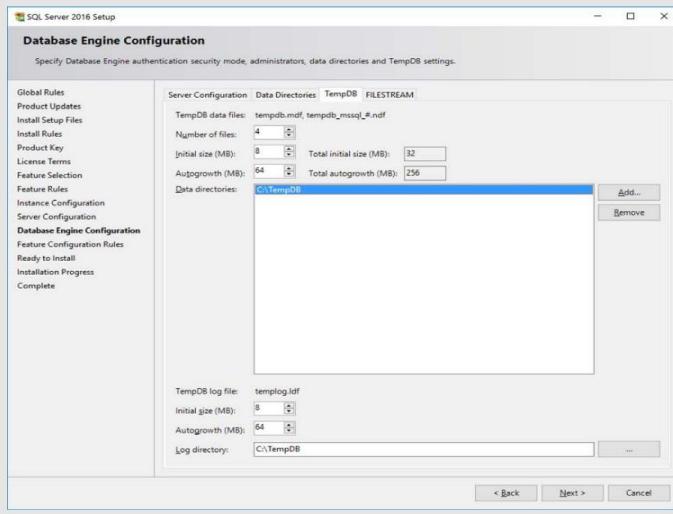
Data Directories Configuration

Specify default directory for user database data files

Specify default directory for user database log files

Specify default directory for database backup files

Database Engine – Data Directories Tab

tempdb Configuration

Specify default directory for tempdb data and log files

Specify number of data files, sizes, and autogrowth increments

You will probably want to manually increase initial sizes and autogrowth values after setup

Database Engine – TempDB Tab

FILESTREAM Configuration

Enable FILESTREAM for Transact-SQL access	**Enable FILESTREAM for file I/O streaming access**	**Specify Windows share name**
Allow remote clients streaming access to FILESTREAM data	**Only enable FILESTREAM if you will be using it!**	

Database Engine – FILESTREAM Tab