



Adroit
Technologies



SQL 2014 Express

Installation Guide



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1. Introduction

A Step by Step guide to installing SQL Server 2014 Express with Advanced Services simply and successfully with no prior knowledge

Keep in mind:

- Use NTFS file system
- Read-Only and Compressed drive installations are blocked
- User running the Setup must have Administrative Privileges
- Do not install with Domain Controller functionality on the same machine
- When trying to connect to your local Reporting Services, you may get an error message if your UAC is enabled. To successfully connect you your local Reporting Services in this case, make sure you run your Internet Explorer as an Administrator. (Run as Administrator option.)
- The following operating systems are not supported: Windows Vista, Windows XP, Windows Server 2003 and Windows Server 2000.
- At least 6.0 GB of disk space are required by SQ Server setup

Developers and system administrators will find this installation guide useful, as well as experienced DBAs. It will teach you the basics required for a typical, problem-free installation of SQL Server 2014 Express with Advanced Services.

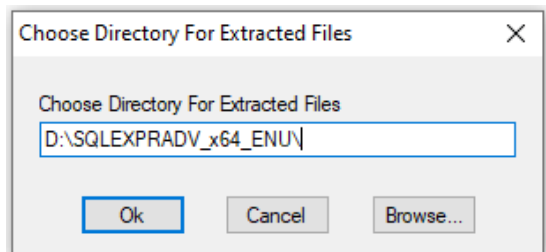
What is "SQL Server 2014 Express with Advanced Services?"

SQL Server 2014 Express with Advanced Services is exactly the same as the Normal Express Edition with some additional features such as Reporting Services. However with this scaled down edition of Reporting Services, you are limited in your connection options and you will be unable to schedule reports.

1.1. Step 1: Install .NET Framework and Windows Installer

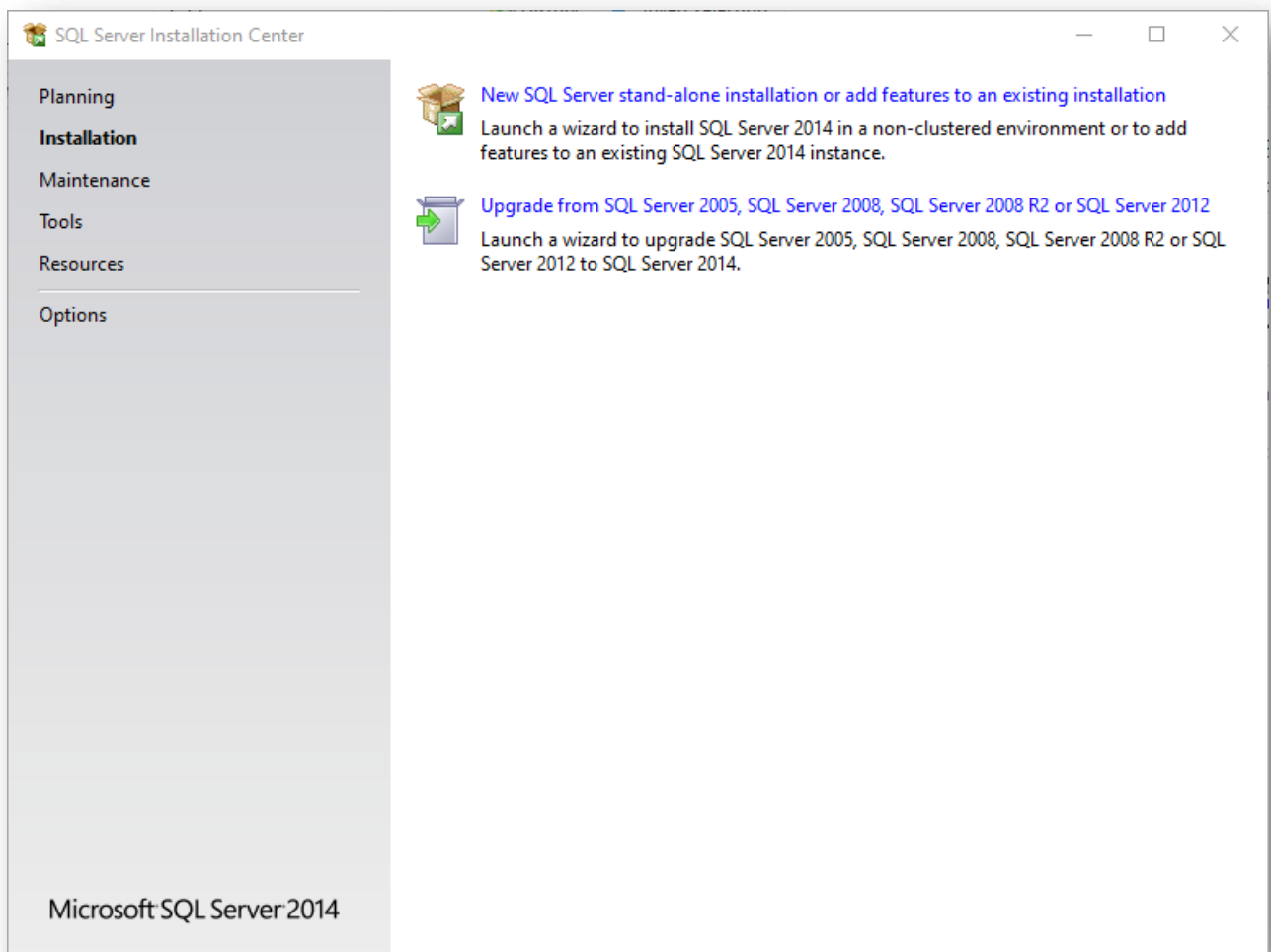
You may be required to install some pre-requisite software like the .NET Framework and the Windows Installer.

Run SQL Server 2014 setup

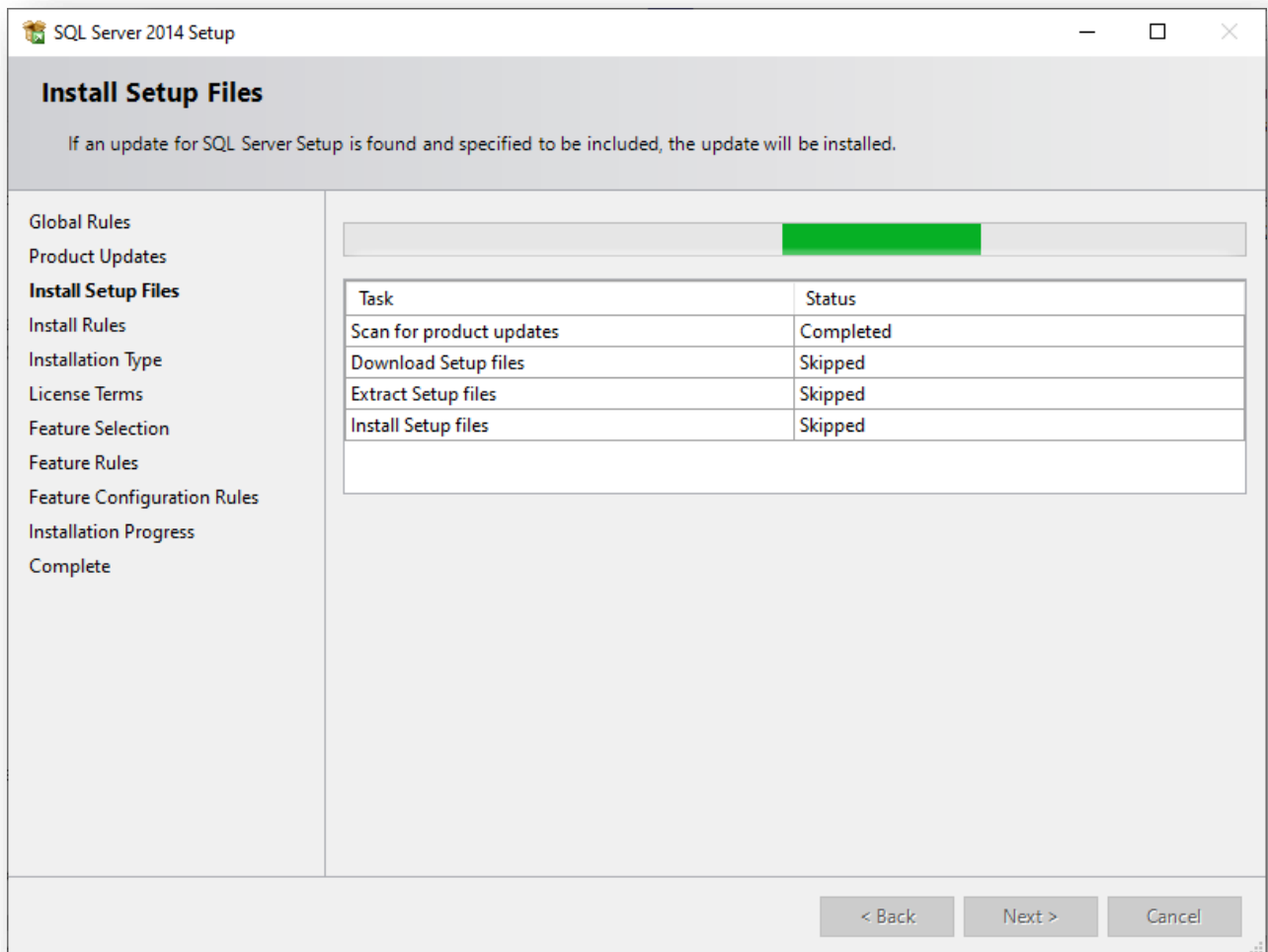


1.2. Step 2: New Installation or add features to an existing installation

Select the "Installation" Option on the left window pane and then click "New Installation or add features to an existing installation" option right window pane

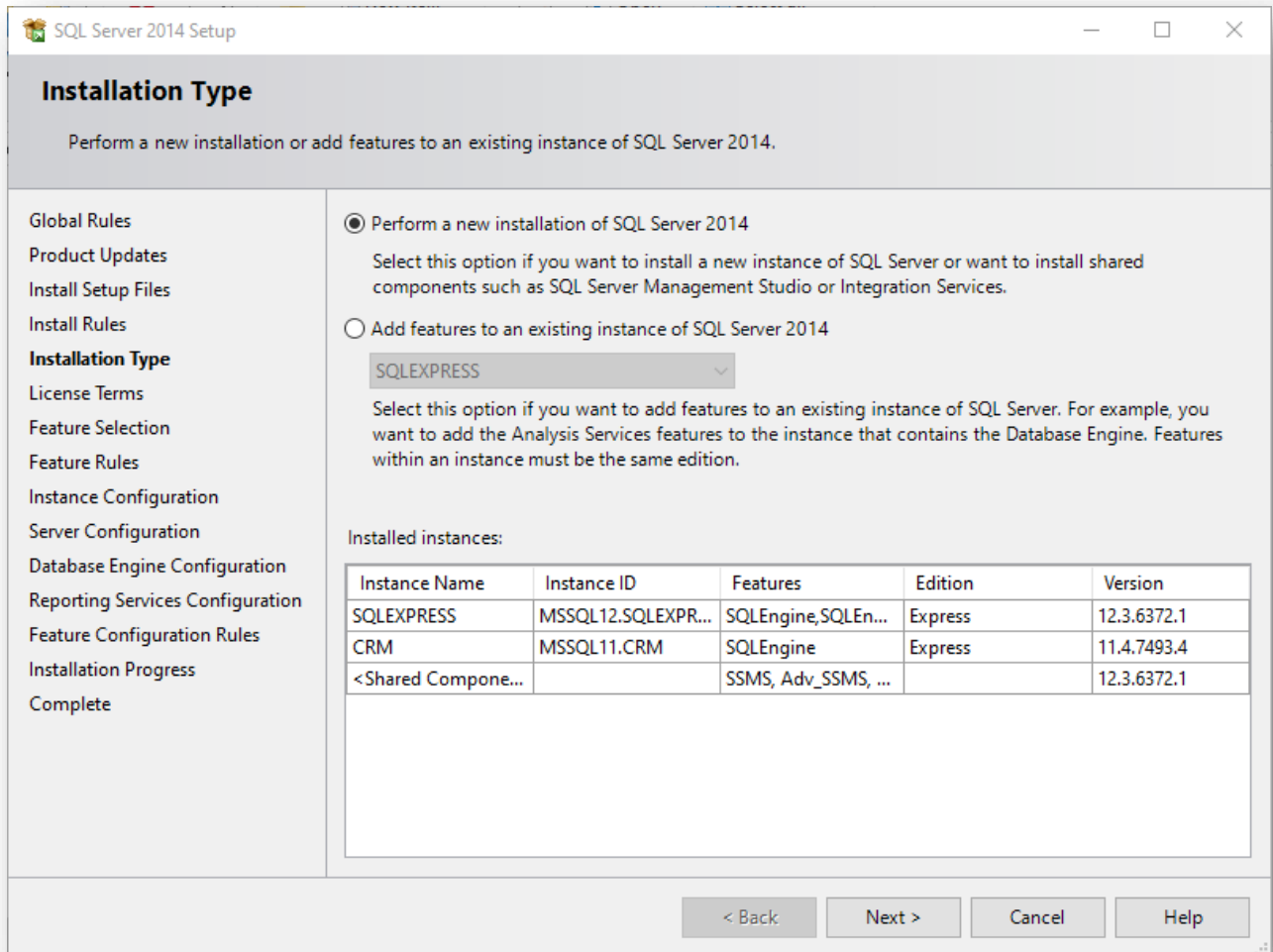


Install Setup files



1.3. Step 3: Installation Type

Choose Type of installation required.



SQL Server 2014 Setup

Installation Type

Perform a new installation or add features to an existing instance of SQL Server 2014.

Global Rules
Product Updates
Install Setup Files
Install Rules
Installation Type
License Terms
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Reporting Services Configuration
Feature Configuration Rules
Installation Progress
Complete

☒ Perform a new installation of SQL Server 2014
Select this option if you want to install a new instance of SQL Server or want to install shared components such as SQL Server Management Studio or Integration Services.

☐ Add features to an existing instance of SQL Server 2014
SQLEXPRESS
Select this option if you want to add features to an existing instance of SQL Server. For example, you want to add the Analysis Services features to the instance that contains the Database Engine. Features within an instance must be the same edition.

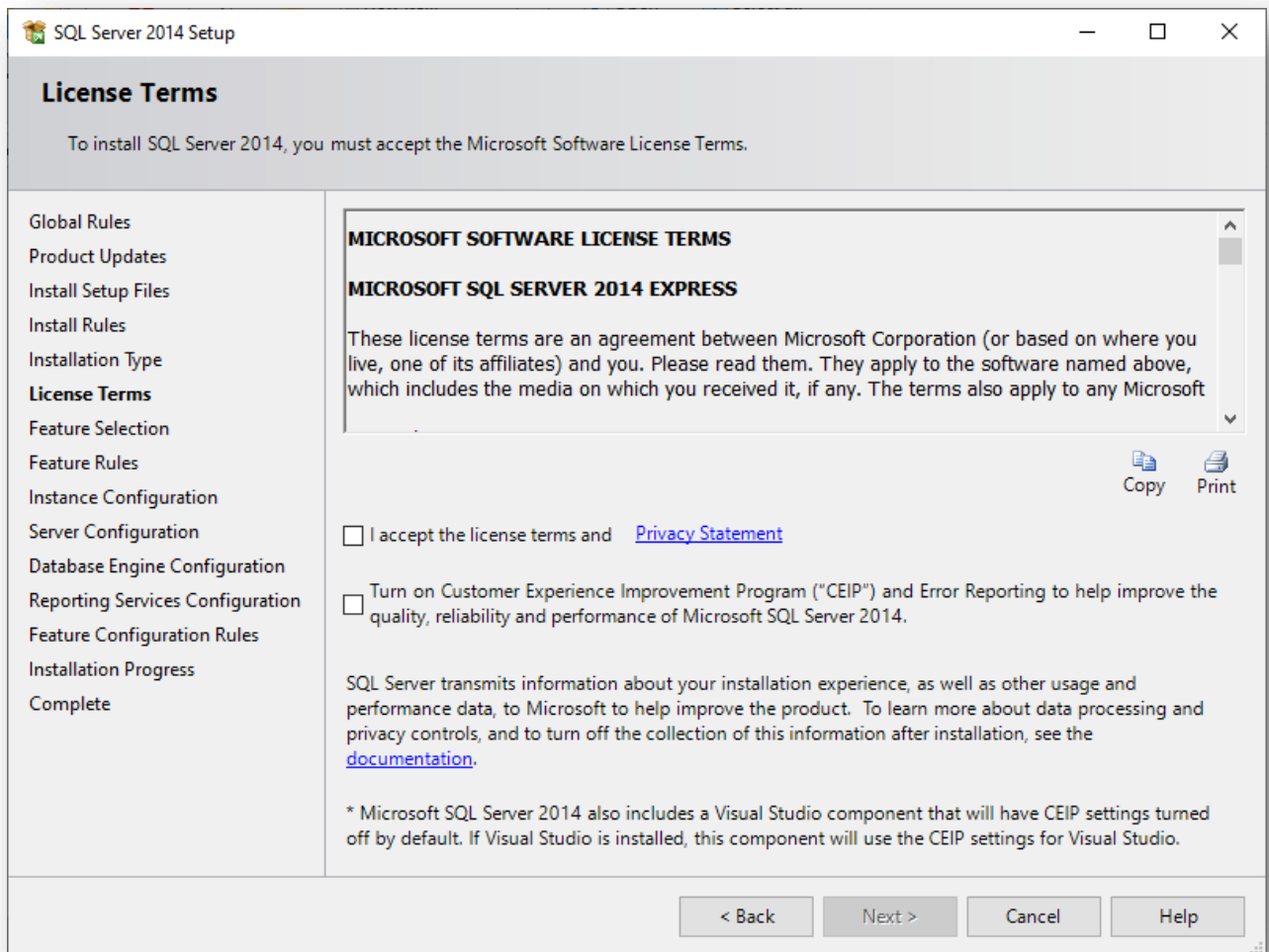
Installed instances:

Instance Name	Instance ID	Features	Edition	Version
SQLEXPRESS	MSSQL12.SQLEXPRESS	SQLEngine, SQLEn...	Express	12.3.6372.1
CRM	MSSQL11.CRM	SQLEngine	Express	11.4.7493.4
<Shared Compone...		SSMS, Adv_SSMS, ...		12.3.6372.1

< Back Next > Cancel Help

1.4. Step 3: License Terms

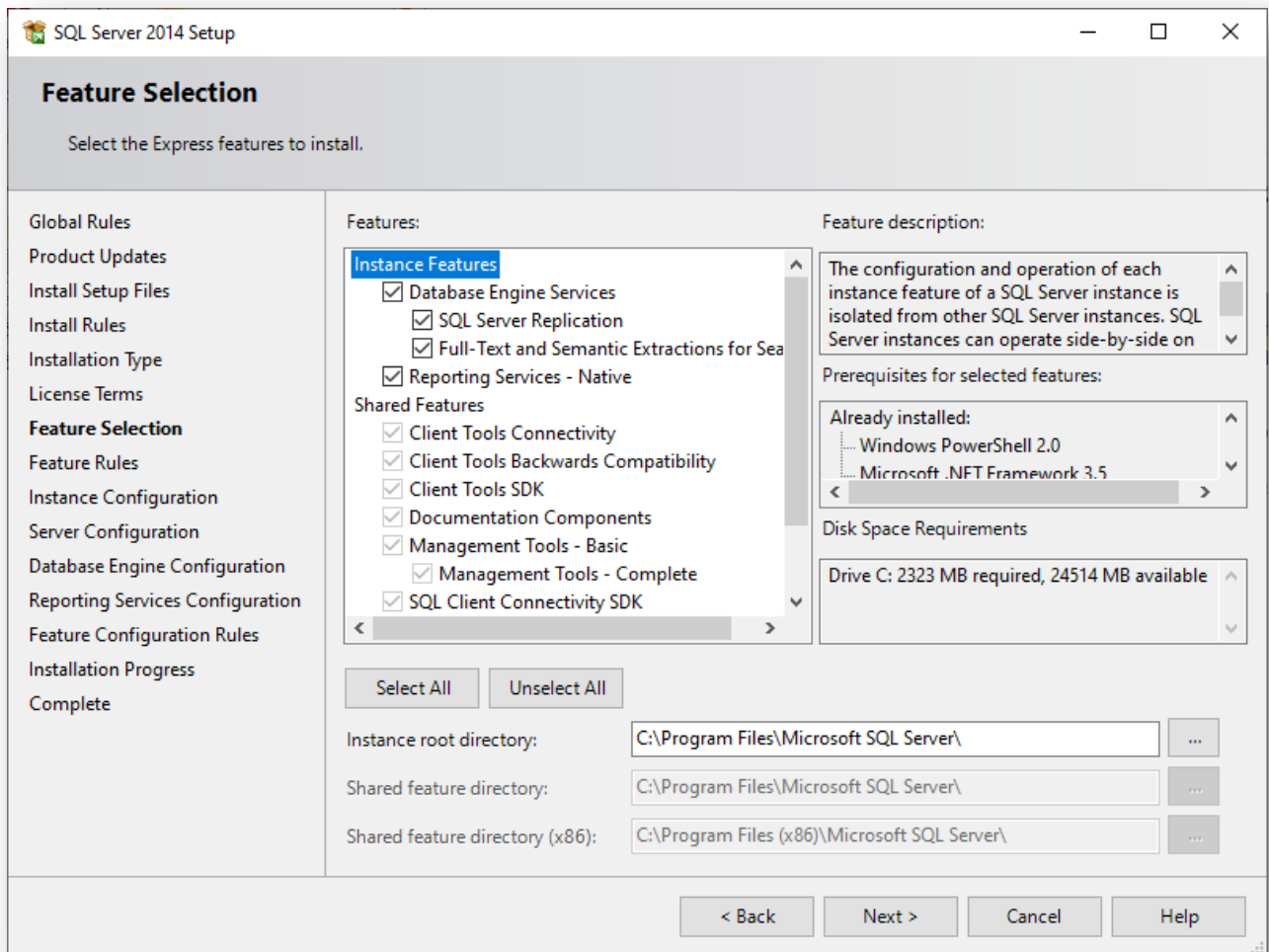
Read the license terms. If you agree, tick the box next to "I accept the license terms."
Click "Next" to continue.



Click "Next" to continue.

1.5. Step 5: Feature Selection

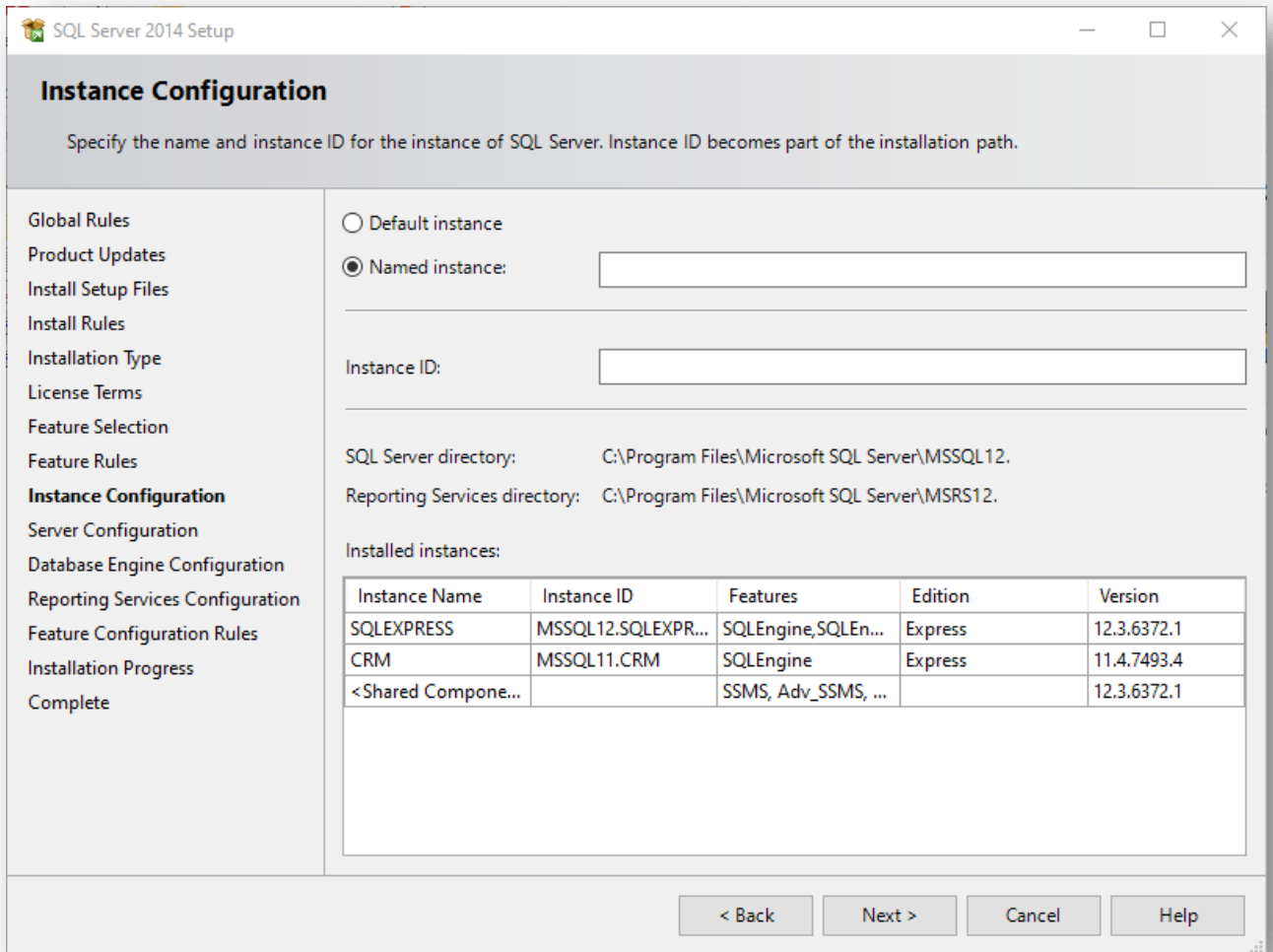
On the Feature Selection page, please select the features you would like to install. A description of each feature will appear on the "Feature description" area when you click on a feature. Once you have selected the features to install, please click on the "Next" button.



1.6. Step 6: Instance Configuration

You can choose if this will be the “Default Instance” or a “Named Instance”. The default instance can be connected to by using the computer host name, example: “Hostname”. A named instance will require the instance name to be used when connecting to it, example: “Hostname\SQLExpress”.

Click “Next” to continue



SQL Server 2014 Setup

Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

Global Rules
Product Updates
Install Setup Files
Install Rules
Installation Type
License Terms
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Reporting Services Configuration
Feature Configuration Rules
Installation Progress
Complete

☐ Default instance
☒ Named instance:

Instance ID:

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL12.
Reporting Services directory: C:\Program Files\Microsoft SQL Server\MSRS12.

Installed instances:

Instance Name	Instance ID	Features	Edition	Version
SQLEXPRESS	MSSQL12.SQLEXPRESS	SQLEngine, SQLEn...	Express	12.3.6372.1
CRM	MSSQL11.CRM	SQLEngine	Express	11.4.7493.4
<Shared Compone...		SSMS, Adv_SSMS, ...		12.3.6372.1

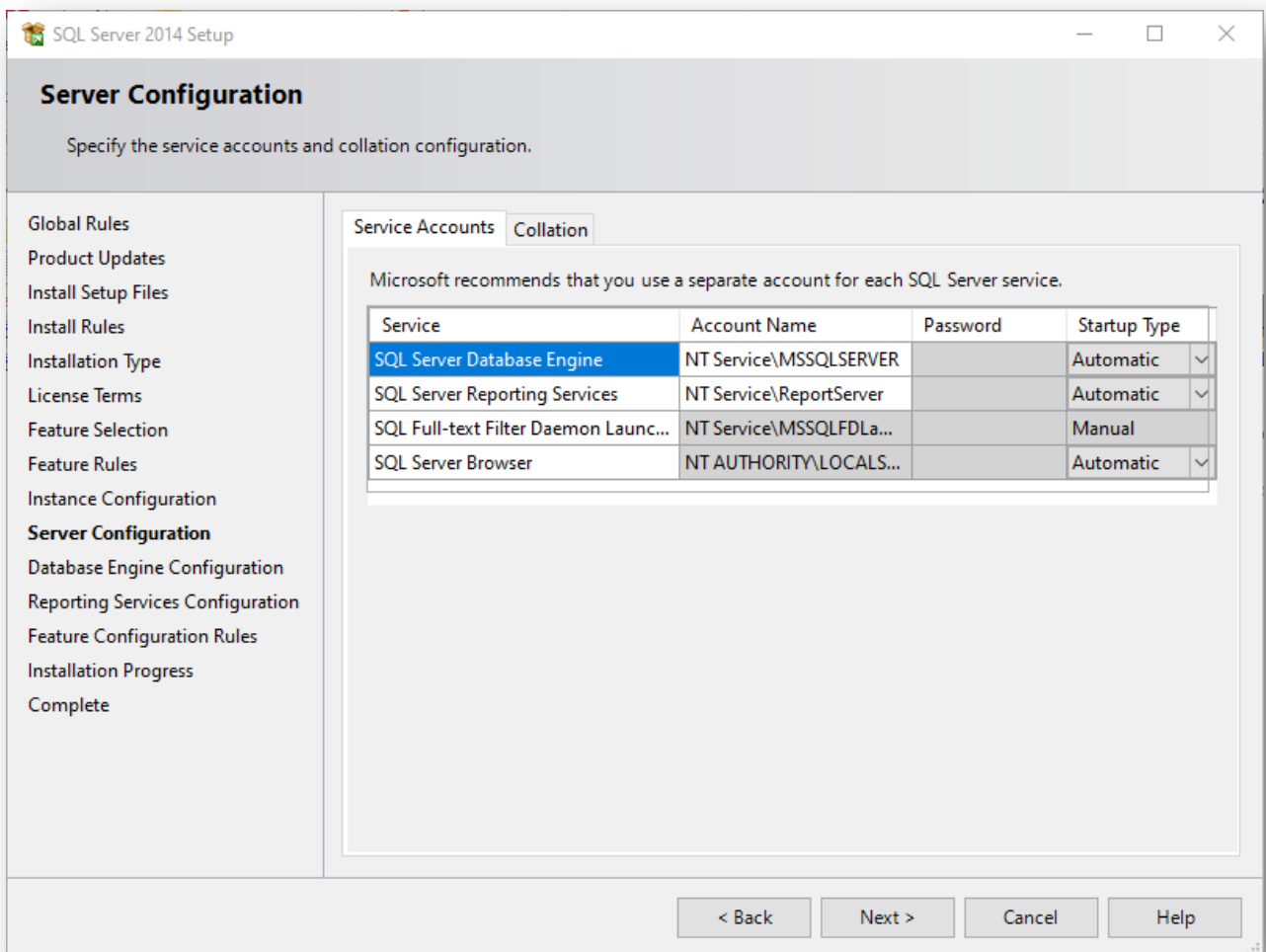
< Back
Next >
Cancel
Help

1.7. Step 7: Server Configuration (Service Accounts)

Click "Use the same account for all SQL Server services" to pick the service accounts. It is recommended that you select "Network Service Account". However, if this machine is on a domain, you could create a domain account for the use of the SQL Server services.

Set the "Startup Type" of all the services to "Automatic".

Click the "Collation" tab to continue.

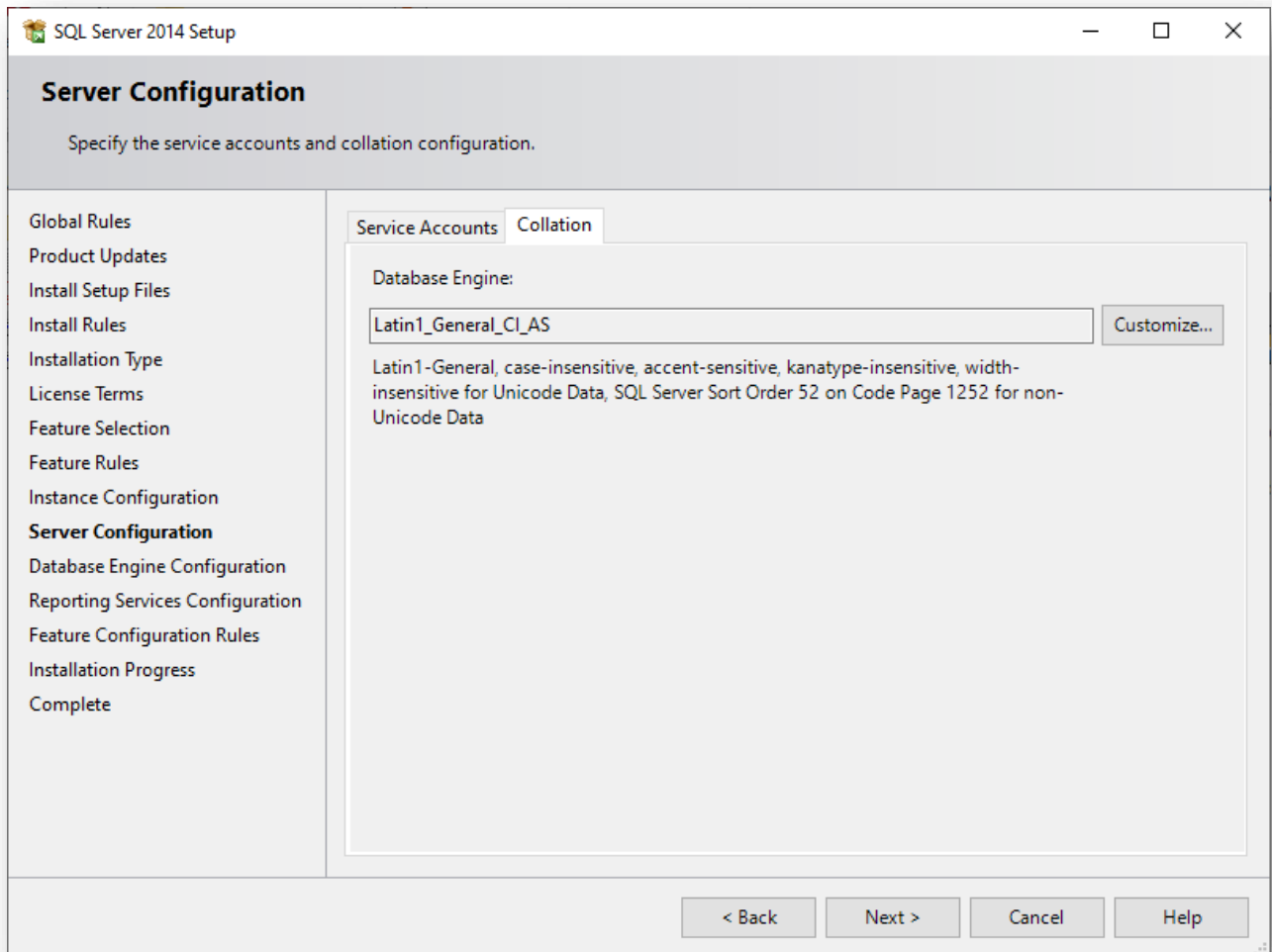


1.8. Step 8: Service Configuration (Collation)

It is recommended that you leave the collation to the default settings.

For example, the Latin1_General_CI_AS collation is a Latin code page that is Case Insensitive (CI) and Accent Sensitive (AS).

Click "Next" to continue.

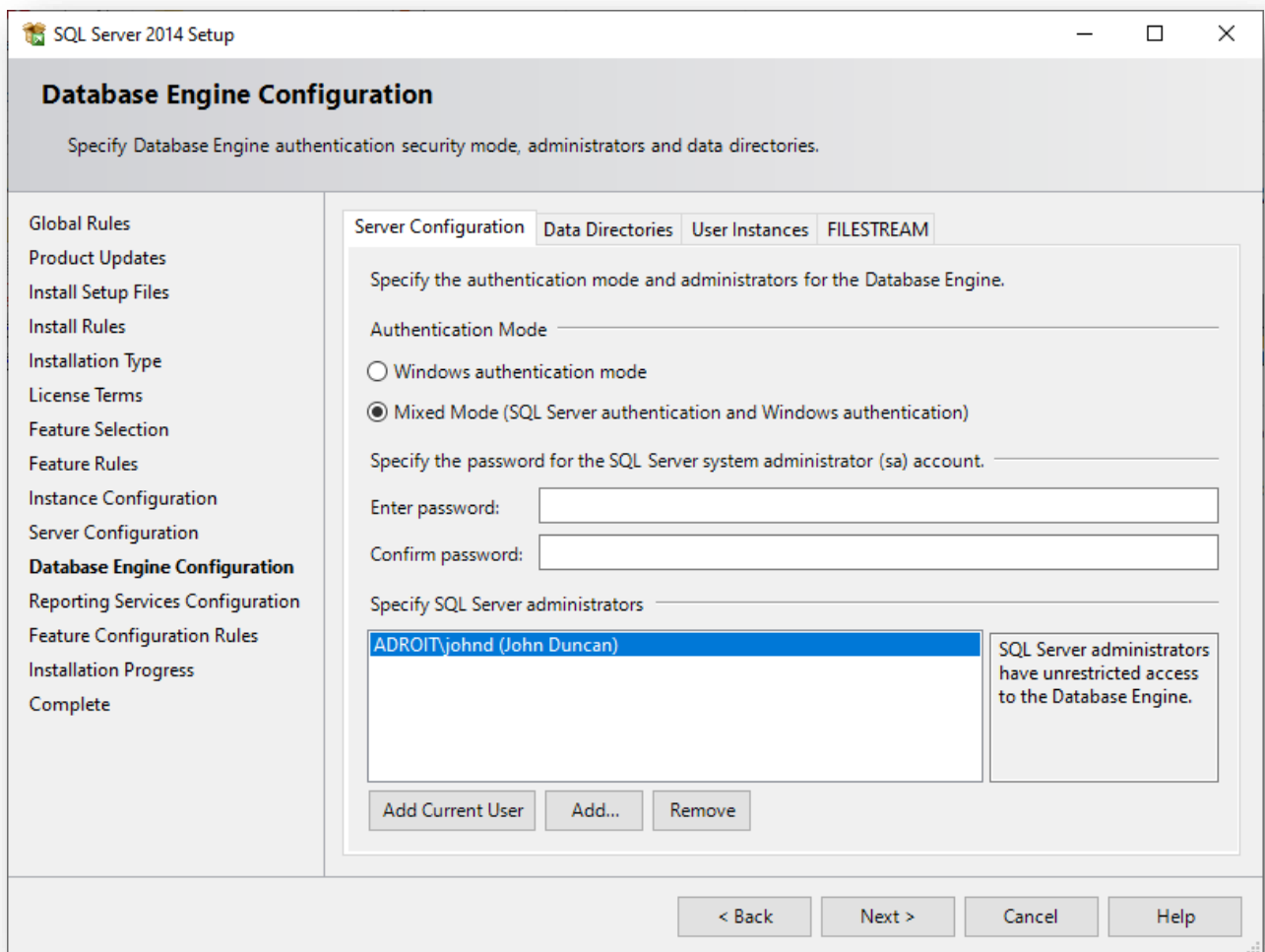


1.9. Step 9: Database Engine Configuration

Account Provisioning

In general we recommend that you use “Mixed Mode” for Authentication, this allows you to connect to the SQL Server with either a Windows/Domain account or a SQL Server account.

Enter a “sa” (System Administrator) account password, please ensure that this is kept in a safe place. Click “Add Current User” if you will be responsible for administering the SQL Server. Click the “Data Directories” tab to continue.



SQL Server 2014 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators and data directories.

- Global Rules
- Product Updates
- Install Setup Files
- Install Rules
- Installation Type
- License Terms
- Feature Selection
- Feature Rules
- Instance Configuration
- Server Configuration
- Database Engine Configuration**
- Reporting Services Configuration
- Feature Configuration Rules
- Installation Progress
- Complete

Server Configuration | Data Directories | User Instances | FILESTREAM

Specify the authentication mode and administrators for the Database Engine.

Authentication Mode

☐ Windows authentication mode

☒ Mixed Mode (SQL Server authentication and Windows authentication)

Specify the password for the SQL Server system administrator (sa) account.

Enter password:

Confirm password:

Specify SQL Server administrators

ADROIT\johnd (John Duncan)	SQL Server administrators have unrestricted access to the Database Engine.

Add Current User Add... Remove

< Back Next > Cancel Help

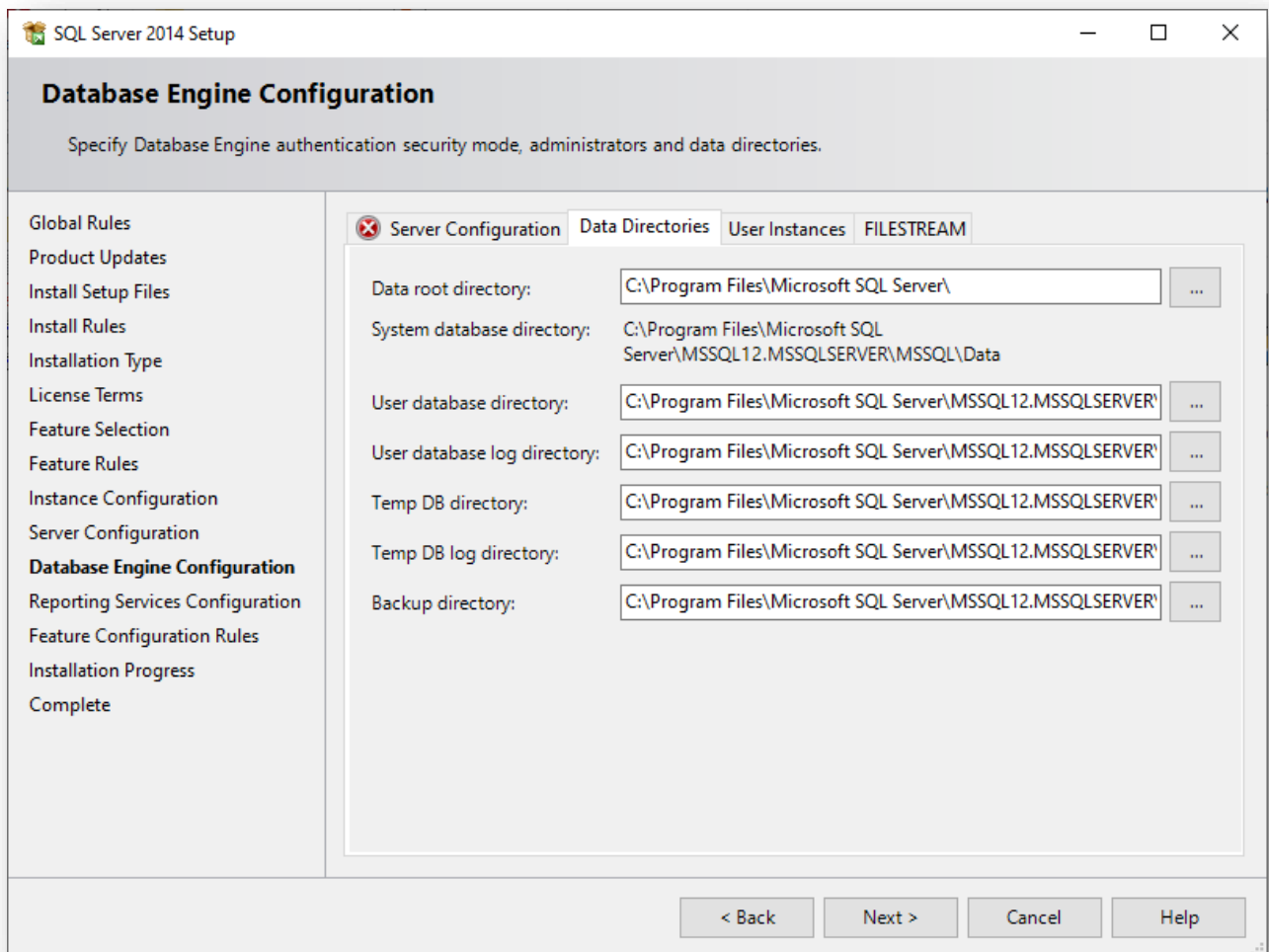
1.10. Step 10: Database Engine Configuration

Data Directories

In general it is recommended that you split your data and log files over 2 or more HDD (purely for performance gain).

However if you are unsure, leave the values as default.

Click the "FILESTREAM" tab to continue.

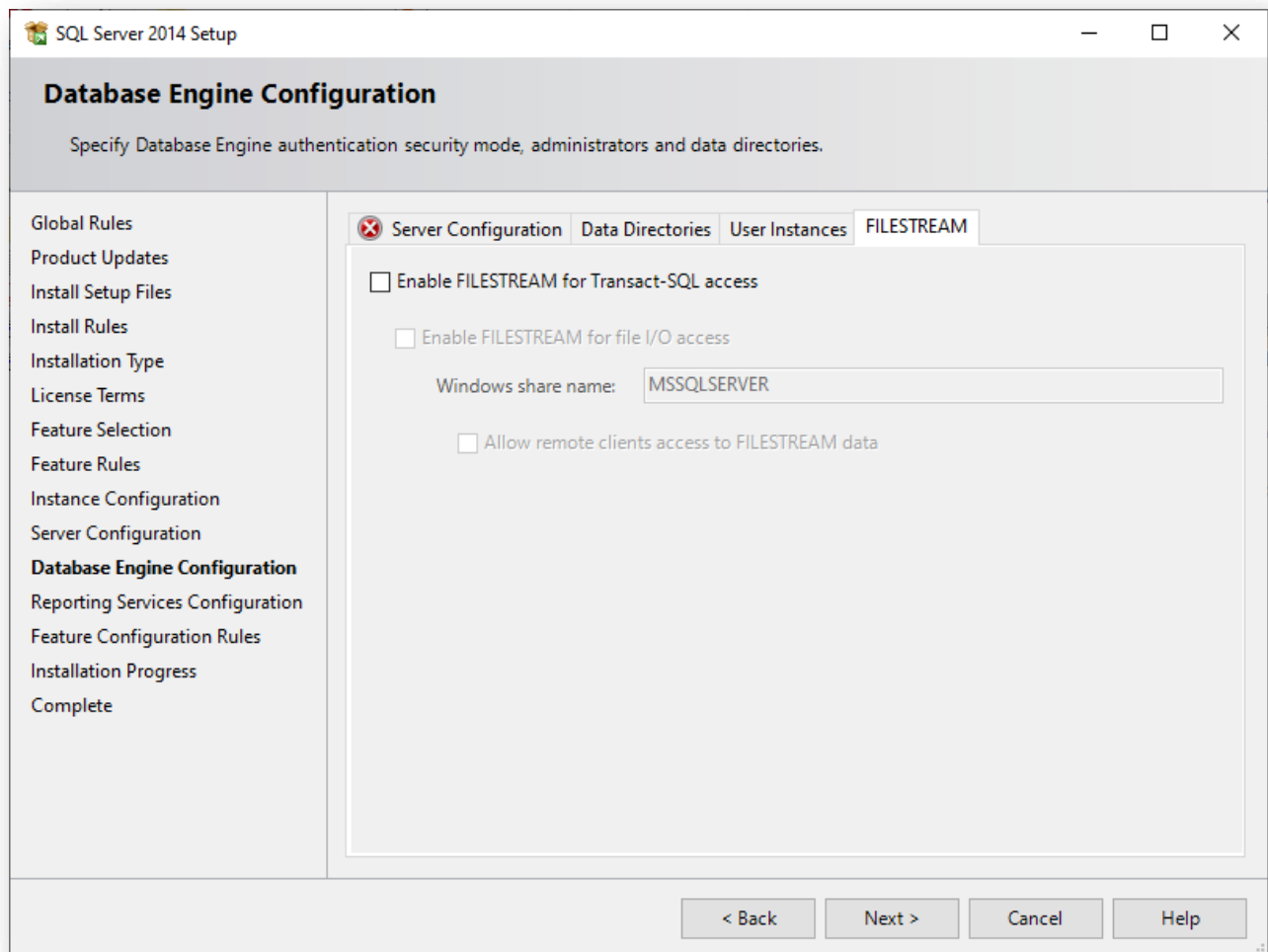


1.11. Step 11: Database Engine Configuration

FILESTREAM

Leave all the settings as default.

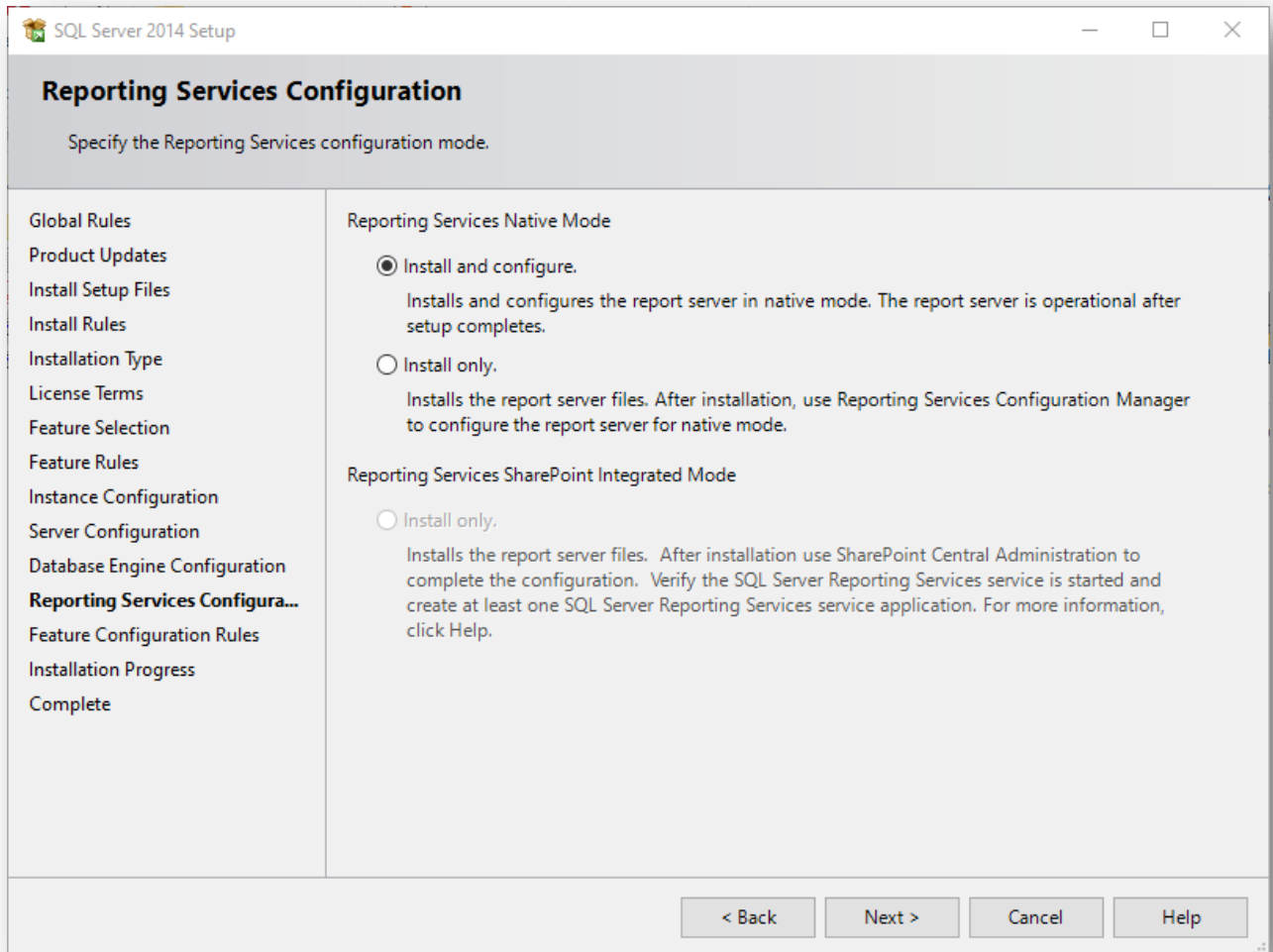
Click "Next" to continue.



1.12. Step 12: Reporting Services Configuration

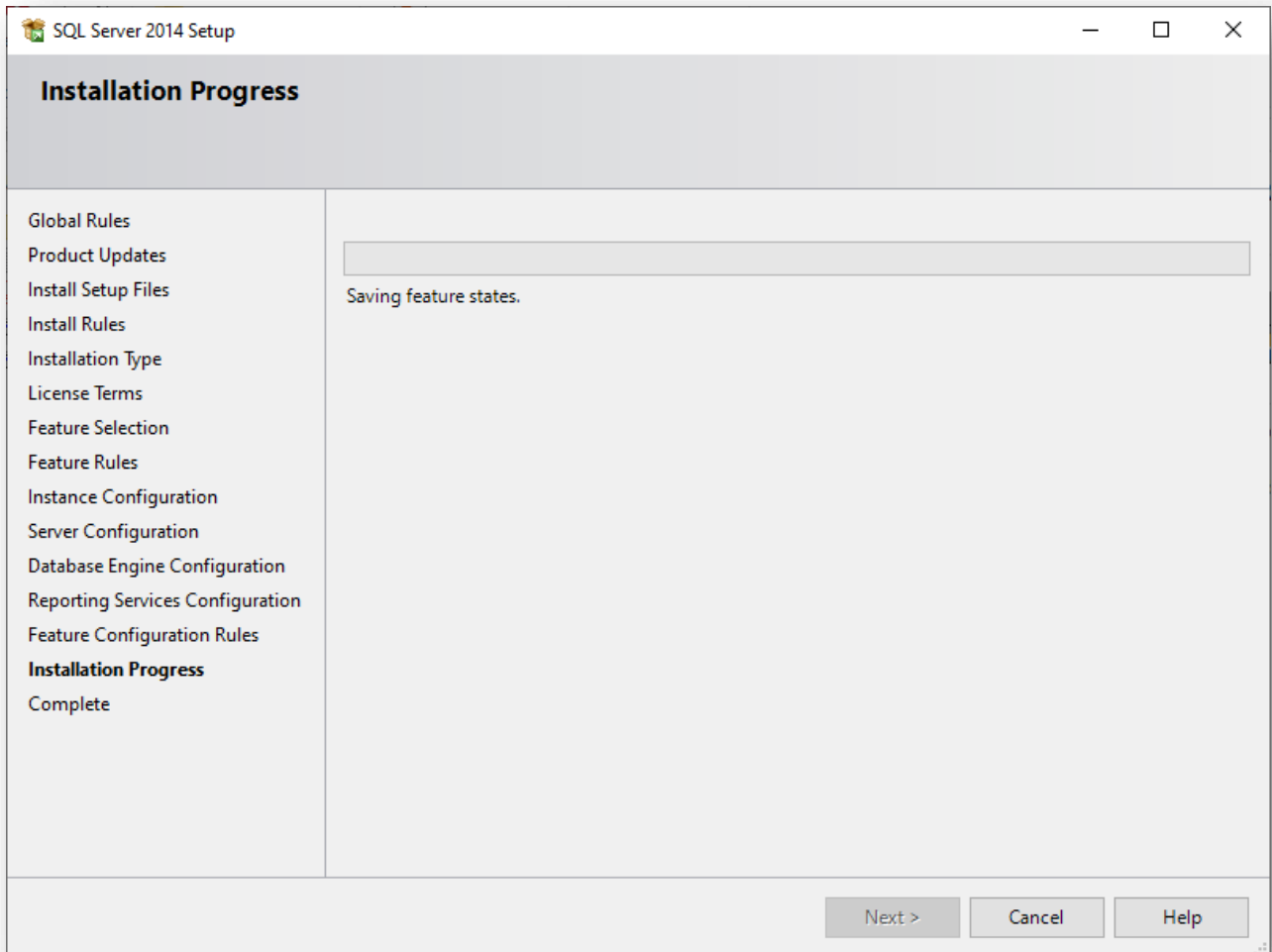
Select the “Install the native mode default configuration” option.

Click “Next” to continue.



1.13. Step 13: Installation Progress

Installation in progress.



1.14. Step 14: Complete

On the Completing the Microsoft SQL Server Installation Wizard page, you can view the Setup summary log by clicking the link provided on this page. To exit the SQL Server Installation Wizard.

Click "Close" to exit.

