

Installation Guide for SQL Server 2022

Summary

This article is a step by step guide for installing SQL Server 2022.

Applies To

This article applies to SQL Server 2022.

List of anti virus Exclusion for SQL Server:

For Microsoft SQL Server, review details on link below for exclusions list:

<https://support.microsoft.com/en-us/help/309422/choosing-antivirus-software-for-computers-th>

Steps to install SQL Server 2022

Step 1: Download SQL Server 2022 | Microsoft Evaluation Center. <https://www.microsoft.com/en-us/evalcenter/download-sql-server-2022>

- Run **SQL2022-SSEI-Eval.exe**
- Click download media.

Step 2: Select English as Language and choose your package option.
Download and Save file to **c:\ drive**.



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Once Download is completed, click **Close**. Copy downloaded installer “**SQLServer2022_x64_ENU.exe**” to c: drive. Open command prompt and point to c: drive.

Run the “SQLServer2022-x64-ENU.exe” and extract files to desired folder e.g. C:\Users\Administrator\Downloads\SQLServer2022-x64-ENU>

Navigate to SQL Server Installation Media Directory to run setup:

C:\Users\Administrator\Downloads\SQLServer2022-x64-ENU>

OR Run the command:

Syntax:

```
C:\Users\Administrator\Downloads\SQLServer2022-x64-ENU>setup.exe /q
/IACCEPTSQLSERVERLICENSETERMS /ACTION=Install /FEATURES=SQL
/INSTANCENAME=<InstanceName> /SQLSVCACCOUNT="NT
AUTHORITY\SYSTEM" /SQLSYSADMINACCOUNTS="NT
AUTHORITY\SYSTEM" "YourDomain>YourUsername"
/AGTSVCACCOUNT="NT AUTHORITY\NETWORK SERVICE"
/SQLSVCINSTANTFILEINIT="True" /SAPWD="<YourStrongSAPassword>"
/SECURITYMODE=SQL /TCPENABLED=1 /NPENABLED=1
/SQLCOLLATION=SQL_Latin1_General_CP1_CI_AS
```

Replace Highlighted Values:

1. **<InstanceName>** => Your desired Instanced Name like “MACHSOLDB”
2. “<**YourDomain>YourUsername**>” — with the fully qualified Windows username of the current user you want to grant sysadmin access to.

You can get the current user using:

whoami **For example, if it returns:**

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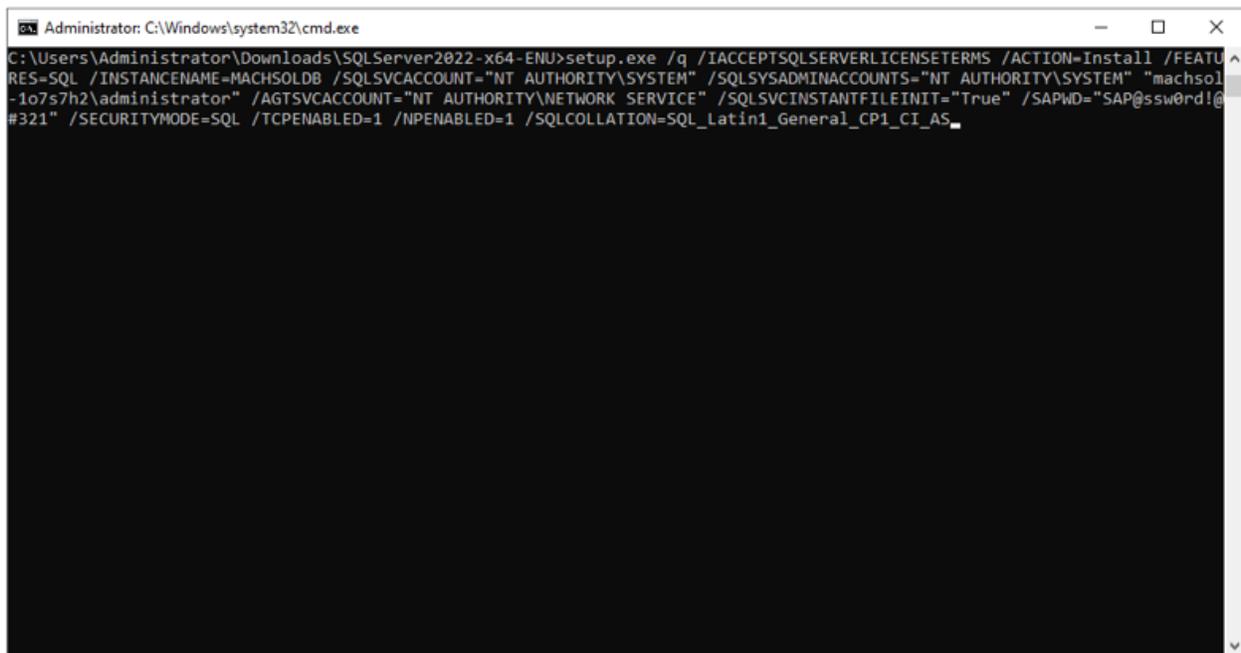
machsol-1o7s7h2\administrator

3. **<YourStrongPassword>** => Your desired strong password for "SA" account.

Then update the command like this and execute in Command:

```
C:\Users\Administrator\Downloads\SQLServer2022-x64-ENU>setup.exe /q
/IACCEPTSQLSERVERLICENSETERMS /ACTION=Install /FEATURES=SQL
/INSTANCENAME=MACHSOLDB /SQLSVCACCOUNT="NT
AUTHORITY\SYSTEM" /SQLSYSADMINACCOUNTS="NT
AUTHORITY\SYSTEM" "machsol-1o7s7h2\administrator"
/AGTSVCACCOUNT="NT AUTHORITY\NETWORK SERVICE"
/SQLSVCINSTANTFILEINIT="True" /SAPWD="SAP@ssw0rd!@#321"
/SECURITYMODE=SQL /TCPENABLED=1 /NPENABLED=1
/SQLCOLLATION=SQL_Latin1_General_CP1_CI_AS
```

Run above command with all parameters.



The screenshot shows a Windows Command Prompt window titled "Administrator: C:\Windows\system32\cmd.exe". The command entered is: `setup.exe /q /IACCEPTSQLSERVERLICENSETERMS /ACTION=Install /FEATURES=SQL /INSTANCENAME=MACHSOLDB /SQLSVCACCOUNT="NT AUTHORITY\SYSTEM" /SQLSYSADMINACCOUNTS="NT AUTHORITY\SYSTEM" "machsol-1o7s7h2\administrator" /AGTSVCACCOUNT="NT AUTHORITY\NETWORK SERVICE" /SQLSVCINSTANTFILEINIT="True" /SAPWD="SAP@ssw0rd!@#321" /SECURITYMODE=SQL /TCPENABLED=1 /NPENABLED=1 /SQLCOLLATION=SQL_Latin1_General_CP1_CI_AS`. The command is partially visible on the screen, with the rest of the text being cut off by the window's scroll bar.

@font-face {font-family:"Cambria Math"; panose-1:2 4 5 3 5 4 6 3 2 4;
mso-font-charset:0; mso-generic-font-family:roman; mso-font-pitch:variable;
mso-font-signature:-536870145 1107305727 0 0 415 0;}@font-face {font-family:Aptos;
panose-1:2 11 0 4 2 2 2 2 2 4; mso-font-charset:0; mso-generic-font-family:swiss;

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mso-font-pitch:variable; mso-font-signature:536871559 3 0 0 415 0;}p.MsoNormal, li.MsoNormal, div.MsoNormal {mso-style-unhide:no; mso-style-qformat:yes; mso-style-parent:""; margin:0cm; mso-pagination:widow-orphan; font-size:12.0pt; font-family:"Aptos",sans-serif; mso-ascii-font-family:Aptos; mso-ascii-theme-font:minor-latin; mso-fareast-font-family:Aptos; mso-fareast-theme-font:minor-latin; mso-hansi-font-family:Aptos; mso-hansi-theme-font:minor-latin; mso-bidi-font-family:Arial; mso-bidi-theme-font:minor-bidi; mso-font-kerning:1.0pt; mso-ligatures:standardcontextual; mso-fareast-language:EN-US;}p.MsoListParagraph, li.MsoListParagraph, div.MsoListParagraph {mso-style-priority:34; mso-style-unhide:no; mso-style-qformat:yes; margin-top:0cm; margin-right:0cm; margin-bottom:0cm; margin-left:36.0pt; mso-add-space:auto; mso-pagination:widow-orphan; font-size:12.0pt; font-family:"Aptos",sans-serif; mso-ascii-font-family:Aptos; mso-ascii-theme-font:minor-latin; mso-fareast-font-family:Aptos; mso-fareast-theme-font:minor-latin; mso-hansi-font-family:Aptos; mso-hansi-theme-font:minor-latin; mso-bidi-font-family:Arial; mso-bidi-theme-font:minor-bidi; mso-font-kerning:1.0pt; mso-ligatures:standardcontextual; mso-fareast-language:EN-US;}p.MsoListParagraphCxSpFirst, li.MsoListParagraphCxSpFirst, div.MsoListParagraphCxSpFirst {mso-style-priority:34; mso-style-unhide:no; mso-style-qformat:yes; mso-style-type:export-only; margin-top:0cm; margin-right:0cm; margin-bottom:0cm; margin-left:36.0pt; mso-add-space:auto; mso-pagination:widow-orphan; font-size:12.0pt; font-family:"Aptos",sans-serif; mso-ascii-font-family:Aptos; mso-ascii-theme-font:minor-latin; mso-fareast-font-family:Aptos; mso-fareast-theme-font:minor-latin; mso-hansi-font-family:Aptos; mso-hansi-theme-font:minor-latin; mso-bidi-font-family:Arial; mso-bidi-theme-font:minor-bidi; mso-font-kerning:1.0pt; mso-ligatures:standardcontextual; mso-fareast-language:EN-US;}p.MsoListParagraphCxSpMiddle, li.MsoListParagraphCxSpMiddle, div.MsoListParagraphCxSpMiddle {mso-style-priority:34; mso-style-unhide:no; mso-style-qformat:yes; mso-style-type:export-only; margin-top:0cm; margin-right:0cm; margin-bottom:0cm; margin-left:36.0pt; mso-add-space:auto; mso-pagination:widow-orphan; font-size:12.0pt; font-family:"Aptos",sans-serif; mso-ascii-font-family:Aptos; mso-ascii-theme-font:minor-latin; mso-fareast-font-family:Aptos; mso-fareast-theme-font:minor-latin; mso-hansi-font-family:Aptos; mso-hansi-theme-font:minor-latin; mso-bidi-font-family:Arial; mso-bidi-theme-font:minor-bidi; mso-font-kerning:1.0pt; mso-ligatures:standardcontextual; mso-fareast-language:EN-US;}p.MsoListParagraphCxSpLast, li.MsoListParagraphCxSpLast,

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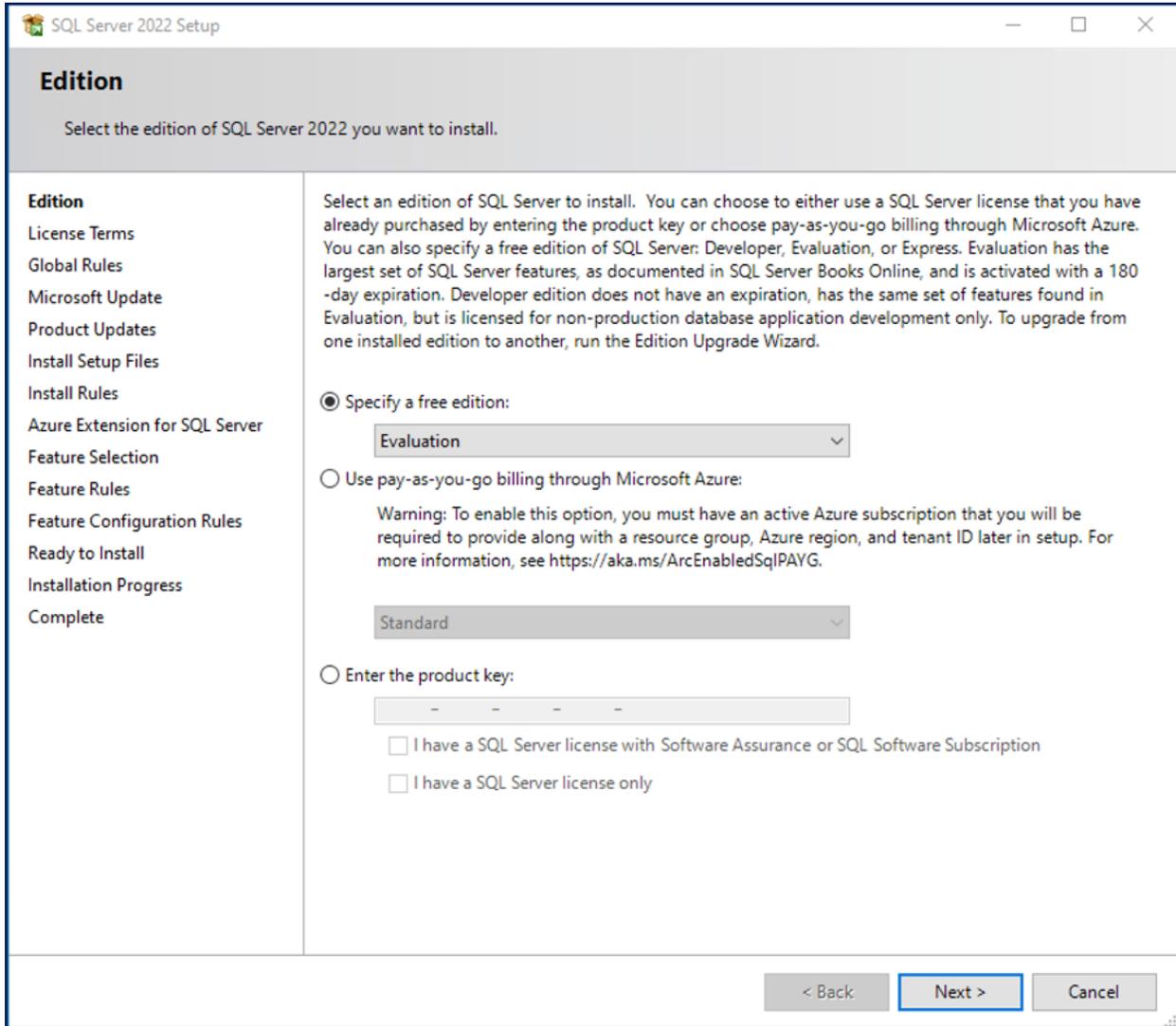
div.MsoListParagraphCxSpLast {mso-style-priority:34; mso-style-unhide:no; mso-style-qformat:yes; mso-style-type:export-only; margin-top:0cm; margin-right:0cm; margin-bottom:0cm; margin-left:36.0pt; mso-add-space:auto; mso-pagination:widow-orphan; font-size:12.0pt; font-family:"Aptos",sans-serif; mso-ascii-font-family:Aptos; mso-ascii-theme-font:minor-latin; mso-fareast-font-family:Aptos; mso-fareast-theme-font:minor-latin; mso-hansi-font-family:Aptos; mso-hansi-theme-font:minor-latin; mso-bidi-font-family:Arial; mso-bidi-theme-font:minor-bidi; mso-font-kerining:1.0pt; mso-ligatures:standardcontextual; mso-fareast-language:EN-US;}.MsoChpDefault {mso-style-type:export-only; mso-default-props:yes; font-family:"Aptos",sans-serif; mso-ascii-font-family:Aptos; mso-ascii-theme-font:minor-latin; mso-fareast-font-family:Aptos; mso-fareast-theme-font:minor-latin; mso-hansi-font-family:Aptos; mso-hansi-theme-font:minor-latin; mso-bidi-font-family:Arial; mso-bidi-theme-font:minor-bidi; mso-fareast-language:EN-US;}div.WordSection1 {page:WordSection1;}ol {margin-bottom:0cm;}ul {margin-bottom:0cm;} Alternatively follow the below steps to perform installation via GUI/Wizard. @font-face {font-family:"Cambria Math"; panose-1:2 4 5 3 5 4 6 3 2 4; mso-font-charset:0; mso-generic-font-family:roman; mso-font-pitch:variable; mso-font-signature:-536870145 1107305727 0 0 415 0;}@font-face {font-family:Aptos; panose-1:2 11 0 4 2 2 2 2 4; mso-font-charset:0; mso-generic-font-family:swiss; mso-font-pitch:variable; mso-font-signature:536871559 3 0 0 415 0;}p.MsoNormal, li.MsoNormal, div.MsoNormal {mso-style-unhide:no; mso-style-qformat:yes; mso-style-parent:""; margin:0cm; mso-pagination:widow-orphan; font-size:12.0pt; font-family:"Aptos",sans-serif; mso-fareast-font-family:Aptos; mso-fareast-theme-font:minor-latin; mso-bidi-font-family:Aptos;}.MsoChpDefault {mso-style-type:export-only; mso-default-props:yes; font-size:10.0pt; mso-ansi-font-size:10.0pt; mso-bidi-font-size:10.0pt; mso-font-kerining:0pt; mso-ligatures:none;}div.WordSection1 {page:WordSection1;}

Please execute the installer as “Run as Administrator” and select the first option from the **Installation** “New SQL Server Standalone Installation”.



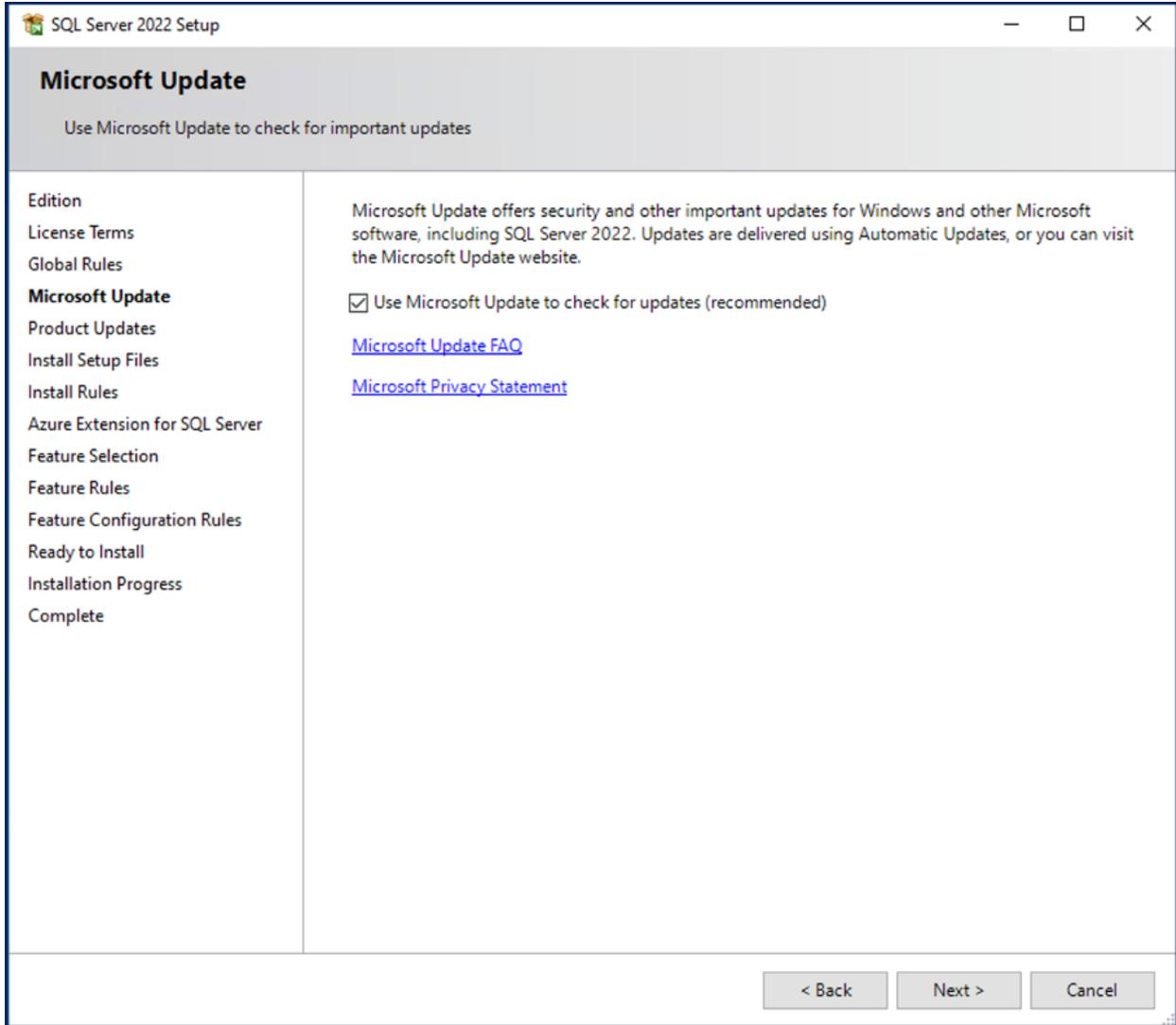
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Step 3: In the second step specify your **Edition** click **Next** and agree to the License terms and then click **Next**. Then check for the updates, if available then download the Updates and Install the setup files.

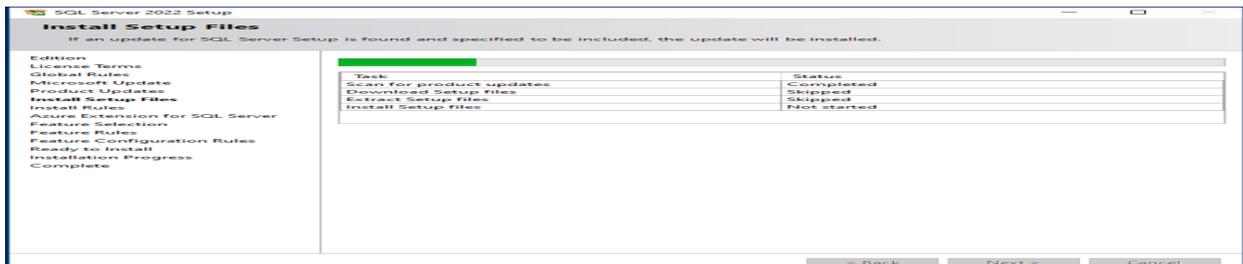


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Step 4: On the next page “Microsoft Update” please check the highlighted option in order to use the recommended option regarding updates and click **Next**.

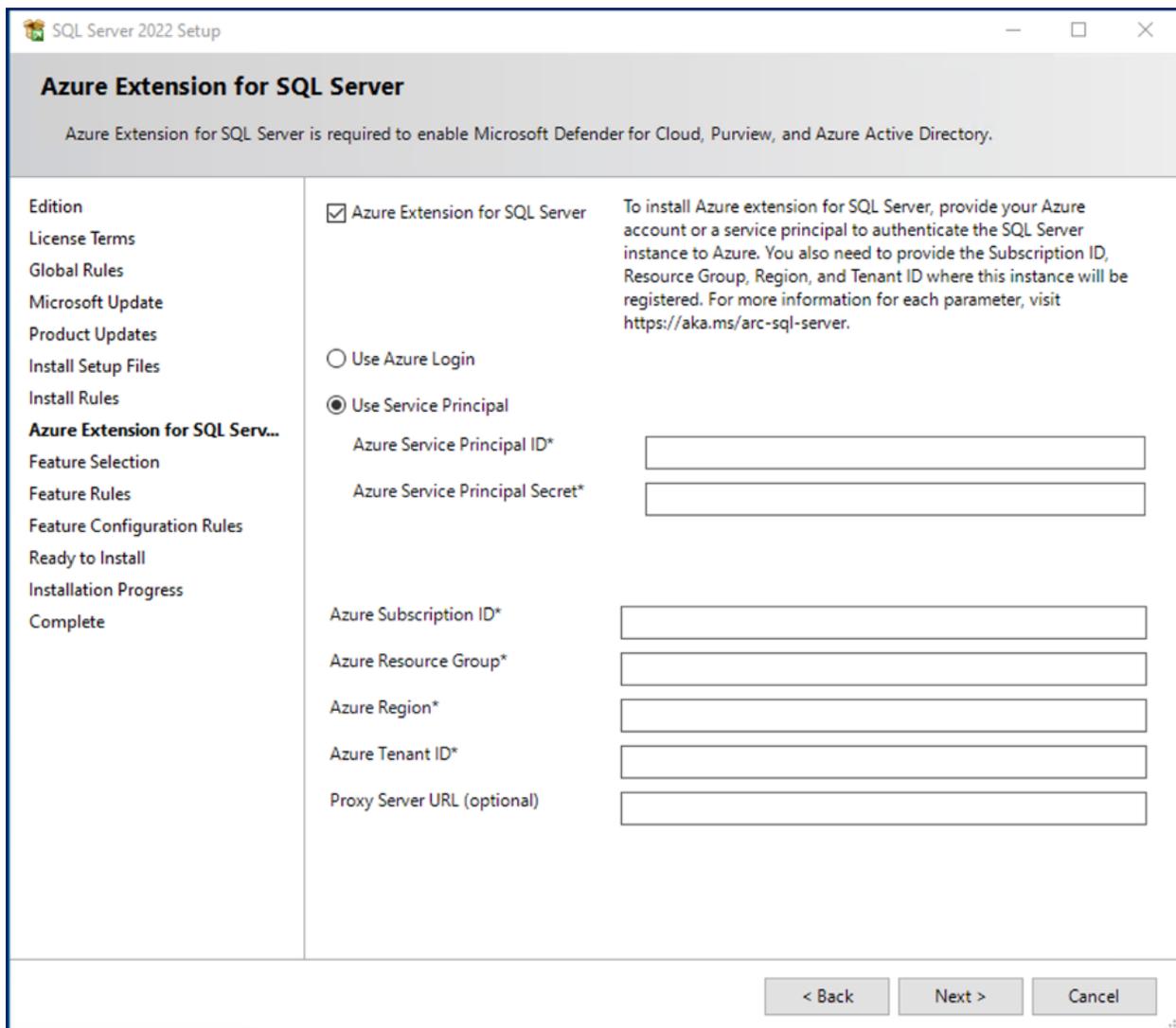


Step 5: In the fourth step the installation wizard will automatically install the Install Rules and upon completion please click on Next.



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You can choose or skip **Azure Extension for SQL Server** option:



The screenshot shows the 'SQL Server 2022 Setup' window with the 'Azure Extension for SQL Server' section selected in the left-hand navigation pane. The main area contains the following options and fields:

- Azure Extension for SQL Server: To install Azure extension for SQL Server, provide your Azure account or a service principal to authenticate the SQL Server instance to Azure. You also need to provide the Subscription ID, Resource Group, Region, and Tenant ID where this instance will be registered. For more information for each parameter, visit <https://aka.ms/arc-sql-server>.
- Use Azure Login
- Use Service Principal
 - Azure Service Principal ID* [Text Input]
 - Azure Service Principal Secret* [Text Input]
- Azure Subscription ID* [Text Input]
- Azure Resource Group* [Text Input]
- Azure Region* [Text Input]
- Azure Tenant ID* [Text Input]
- Proxy Server URL (optional) [Text Input]

At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Step 6: Next up here is the **Feature selection**. In this step please select the required features as highlighted which are required for MachPanel database. Features to be selected: Database Engine Services, Client tools connectivity & Client tools backward compatibility and then click **Next**.

From Instance features please select: Database Engine Services

From **Shared features** please select: Client tools connectivity & Client tools backward compatibility and click **Next**.

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Step 7: In the Instance Configuration please select the **Default instance** option as shown below and click **Next**. If you have already created an instance then please use named instance option and provide the Instance Id as well otherwise default instance will work.

SQL Server 2022 Setup

Instance Configuration

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

Edition
License Terms
Global Rules
Microsoft Update
Install Setup Files
Install Rules
Azure Extension for SQL Server
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Default instance

Named instance: *

Instance ID:

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL16.MACHSOLDB

Installed instances:

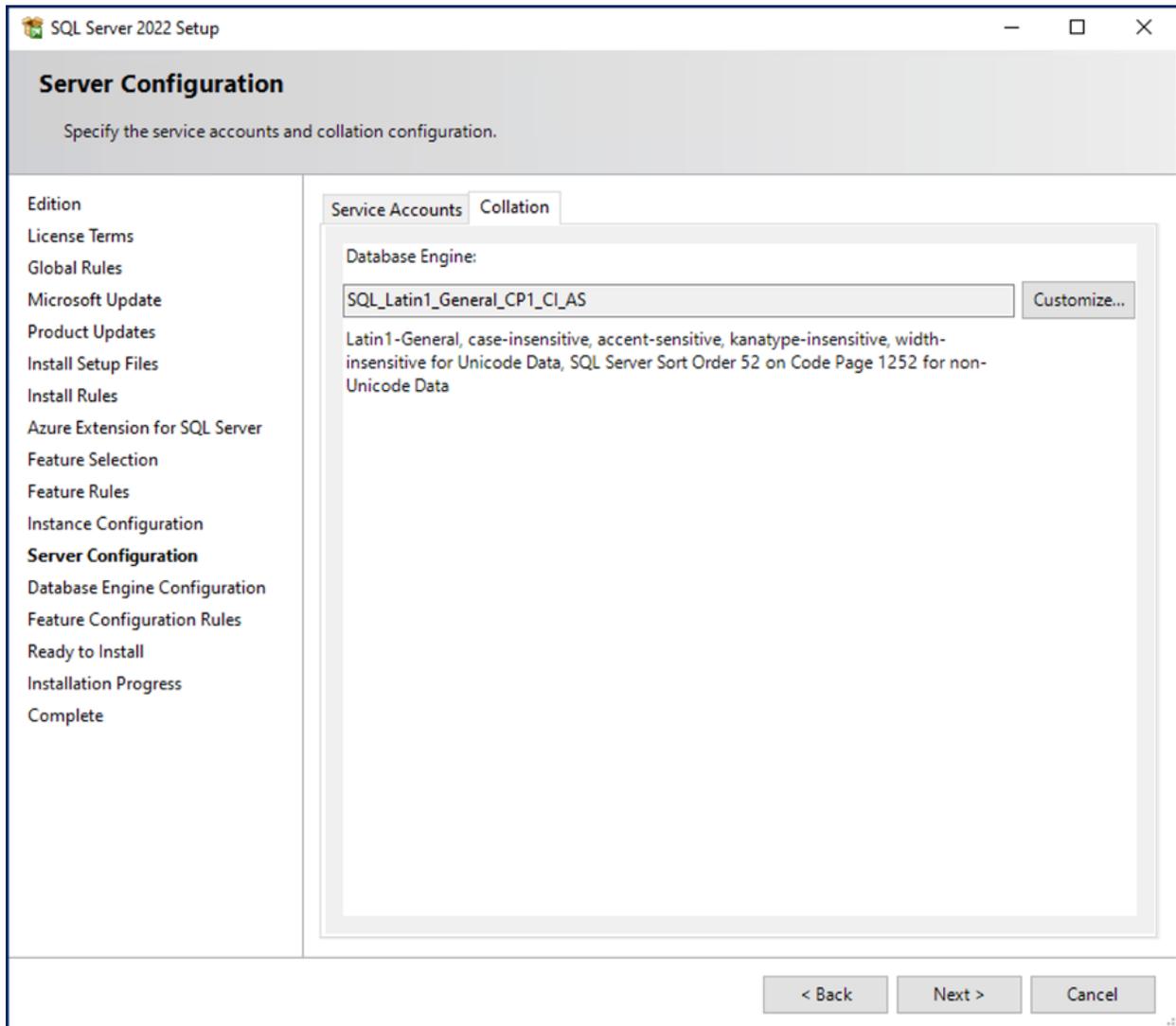
Instance Name	Instance ID	Features	Edition	Version
---------------	-------------	----------	---------	---------

< Back Next > Cancel

Step 8: In this step you will review the account properties as there will be different accounts for different SQL server services. Please proceed with below highlighted setting in service accounts tab as we used Default instance so the properties of the accounts should be like:

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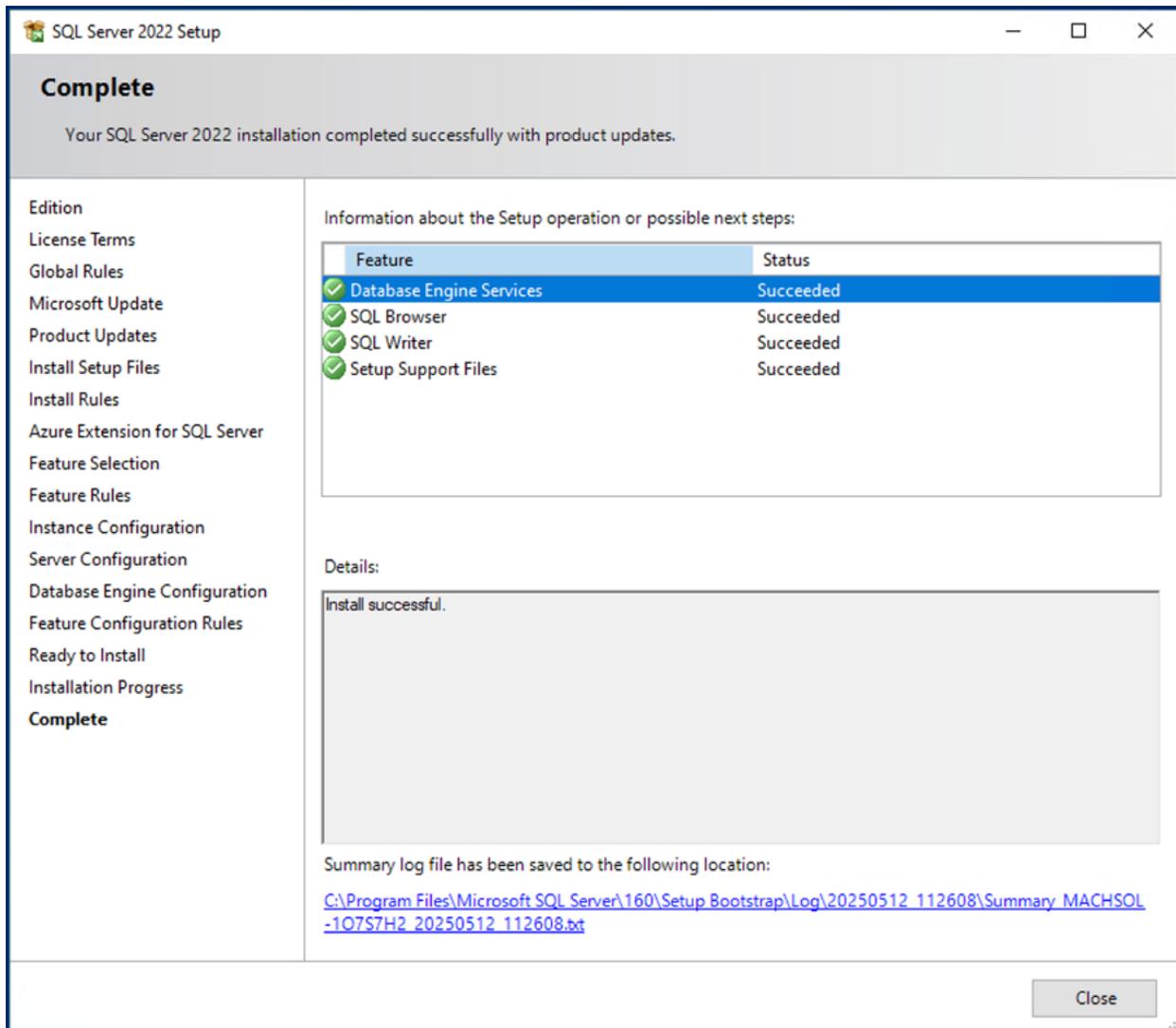
Under the **Collation** tab please make sure to select the **SQL_Latin1_General_CP1_CI_AS** as shown below and click **Next**.



Step 9: The next step is the Database Engine Configuration. Under **Server Configuration** tab please select the Authentication Mode as **Mixed mode** which includes both SQL server authentication and Window authentication and provide the password for **Server Administrator (SA)** account. It is recommended to provide a strong password and also save it in some safe place. There should be one SQL server administrators specified, you can add multiple by clicking on **Add** button.

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Step 10: After the database configuration settings are configured the installation wizard will itself install feature configuration rules and then the installation will proceed and complete.



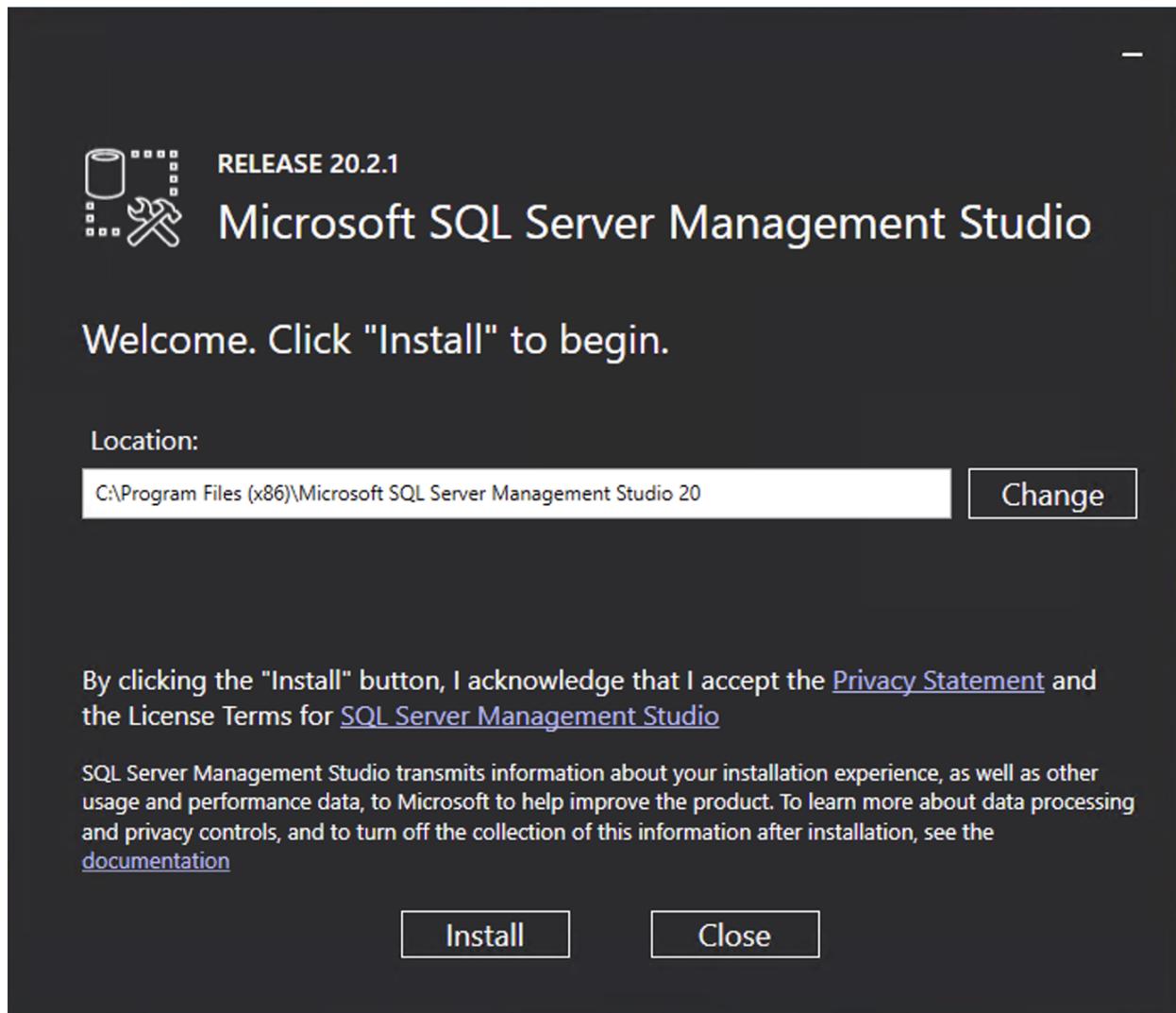
SQL Server Management Studio Installation

After SQL server Installation we will have to install the SQL server management studio by running the exe file as an Administrator and click on Install.

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To install SQL Server Management Studio Setup (20), use below link to download installer:

[Download SQL Server Management Studio \(SSMS\) 20.2.1](#)



MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/55791/Installation-Guide-for-SQL-Serve...>