

Bài tập 1

Môn: Hệ quản trị cơ sở dữ liệu

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MSSV: K225480106023

Lớp: K58KTPM.K01

1. Download phiên bản Developer tại trang chủ Microsoft theo đường dẫn sau:.

The screenshot shows the Microsoft SQL Server download page in Vietnamese. The browser address bar displays the URL: https://www.microsoft.com/vi-vn/sql-server/sql-server-downloads?utm_source=chatgpt.com. The page features three main promotional banners at the top:

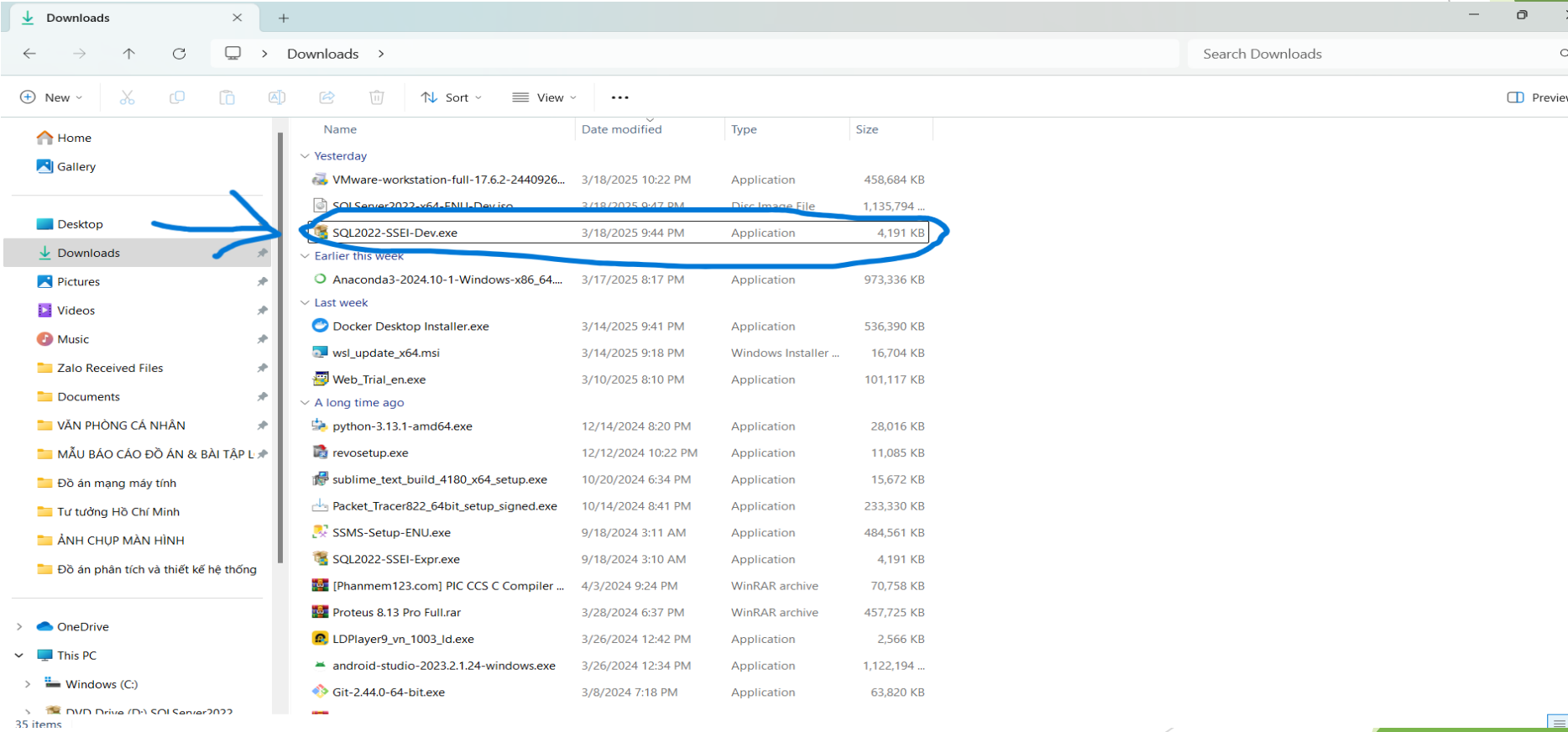
- SQL Server trên Azure**: Chạy SQL Server trên Azure SQL với bảo mật và khả năng quản lý được tích hợp sẵn. Button: **Bắt đầu**.
- SQL Server ở biên**: Mở rộng SQL ra các thiết bị IoT để phân tích trong thời gian thực với Azure SQL Edge. Button: **Bắt đầu**.
- SQL Server tại chỗ**: Sở hữu hiệu năng và bảo mật của SQL Server 2022, nền tảng dữ liệu kết hợp có thể mở rộng, hiện đã hỗ trợ cả Azure. Button: **Tải xuống ngay**.

Below these banners, the page highlights two specific editions:

- Developer**: Represented by a monitor icon. Description: SQL Server 2022 Developer là phiên bản miễn phí với đầy đủ tính năng, được cấp phép để sử dụng làm cơ sở dữ liệu phát triển và thử nghiệm trong môi trường phi sản xuất. Button: **Tải xuống ngay**.
- Express**: Represented by a tablet icon showing charts. Description: SQL Server 2022 Express là phiên bản SQL Server miễn phí, lý tưởng cho hoạt động phát triển và sản xuất cho các ứng dụng trên máy tính, web và máy chủ nhỏ. Button: **Tải xuống ngay**.

The Windows taskbar at the bottom shows the search bar and several application icons.

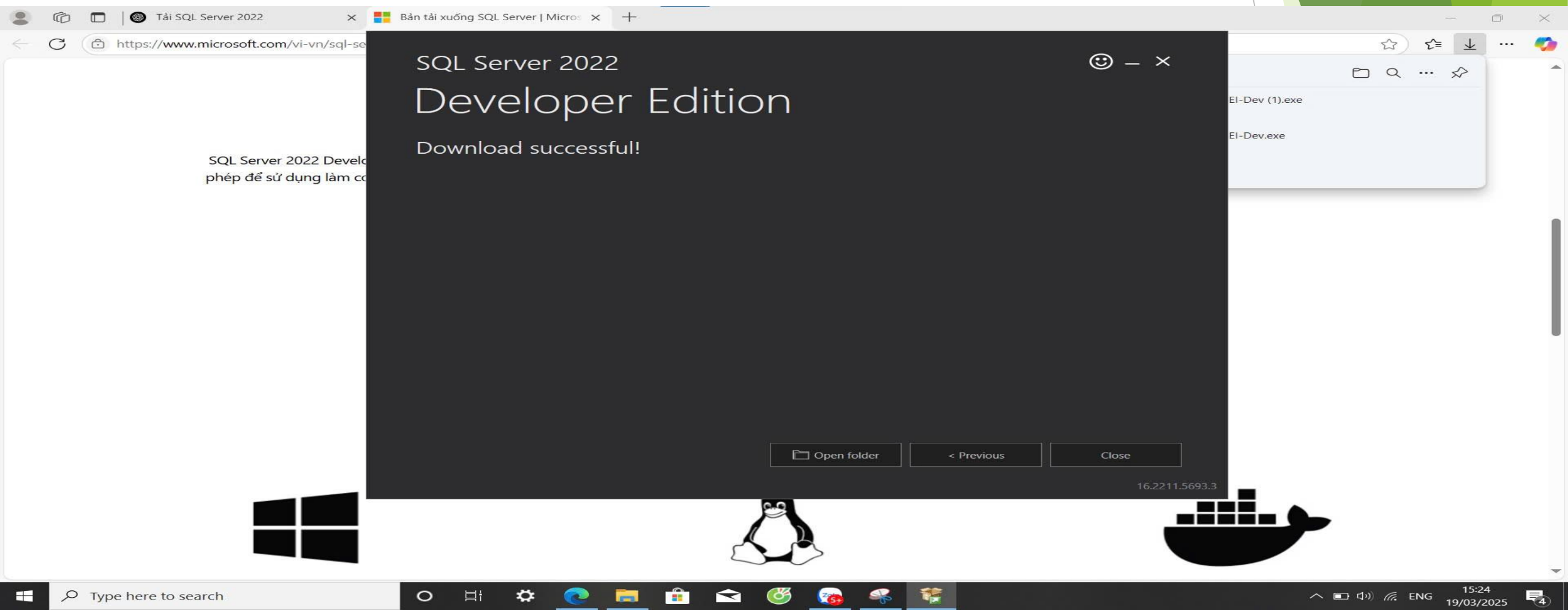
2. download file *SQL2022-SSEI-Dev.exe* và chạy file.



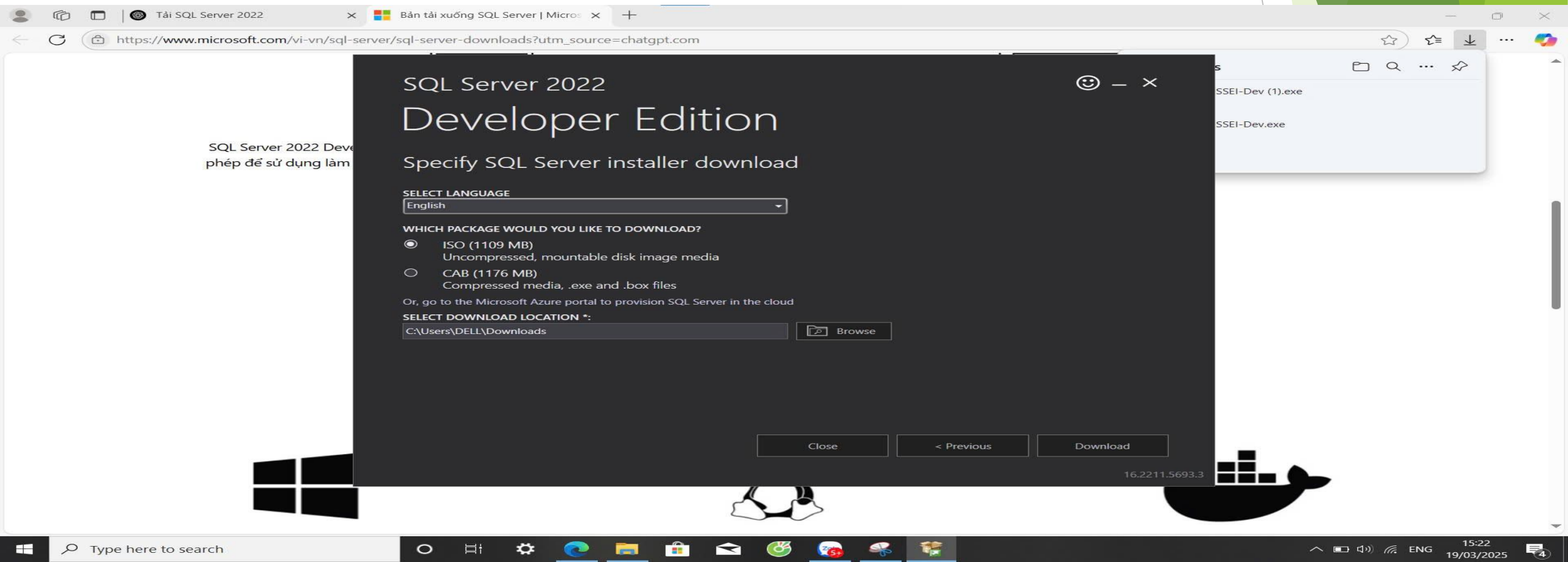
3. bạn click vào Download Media để cài đặt giao diện



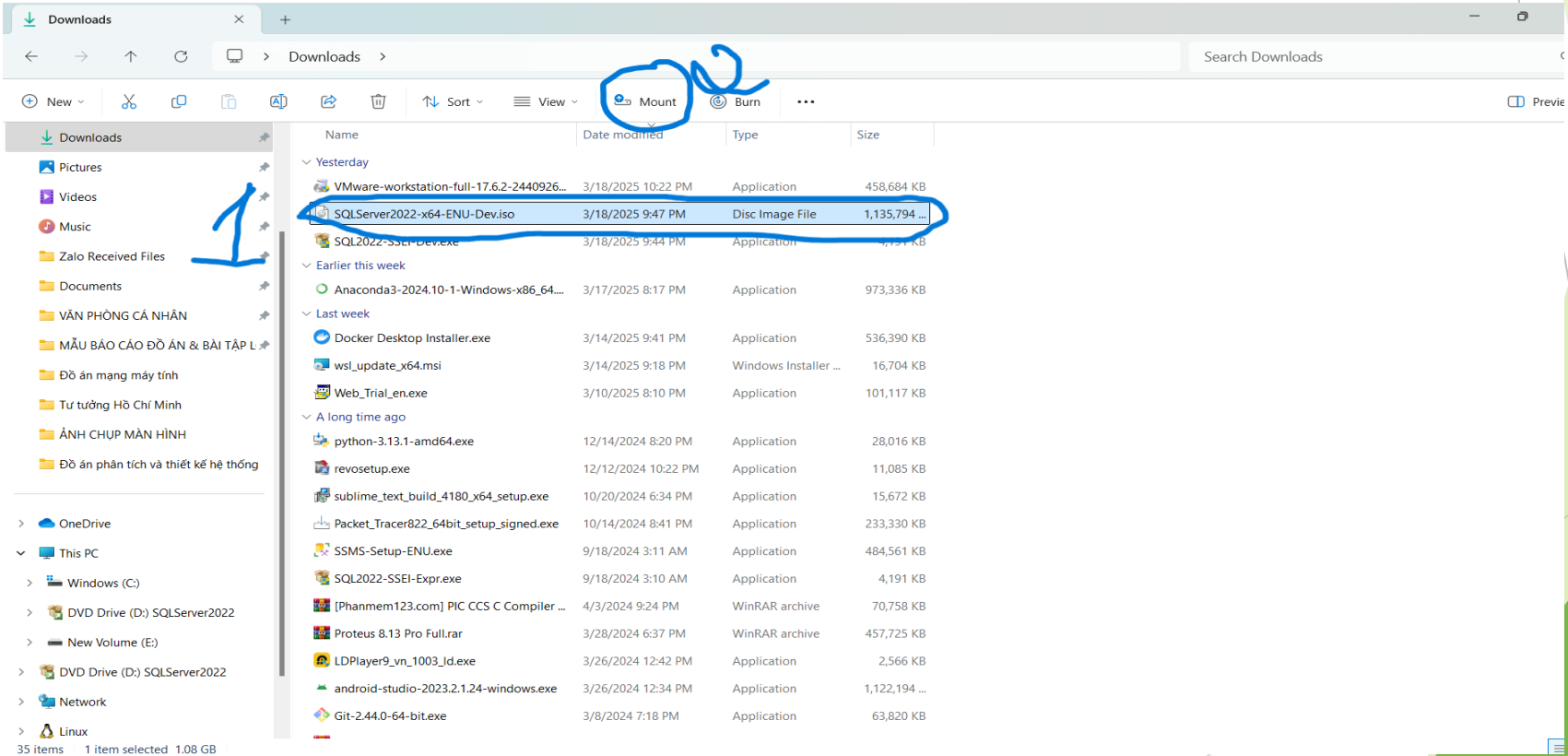
4. bạn click vào *Close*.



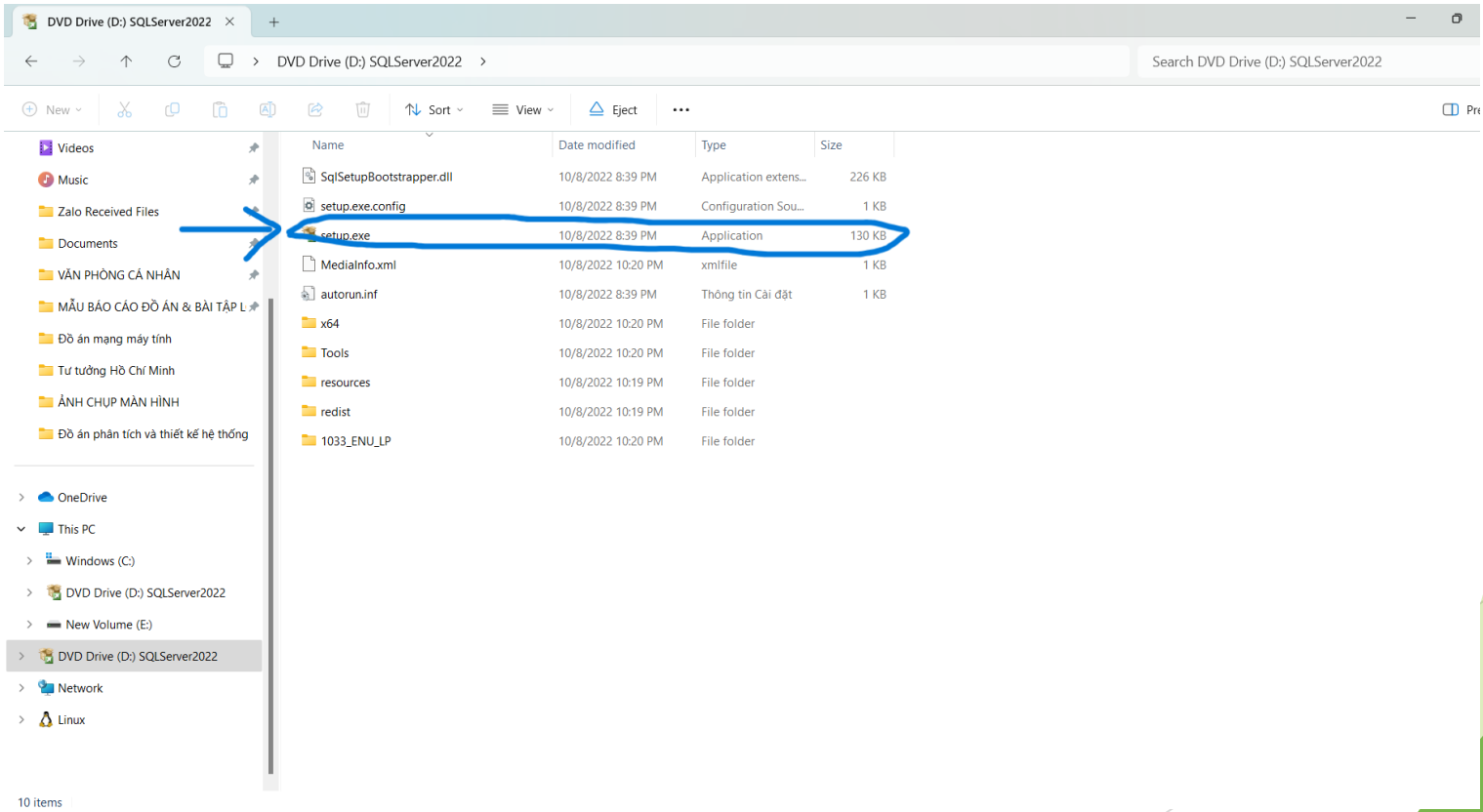
5. chọn *Download*:



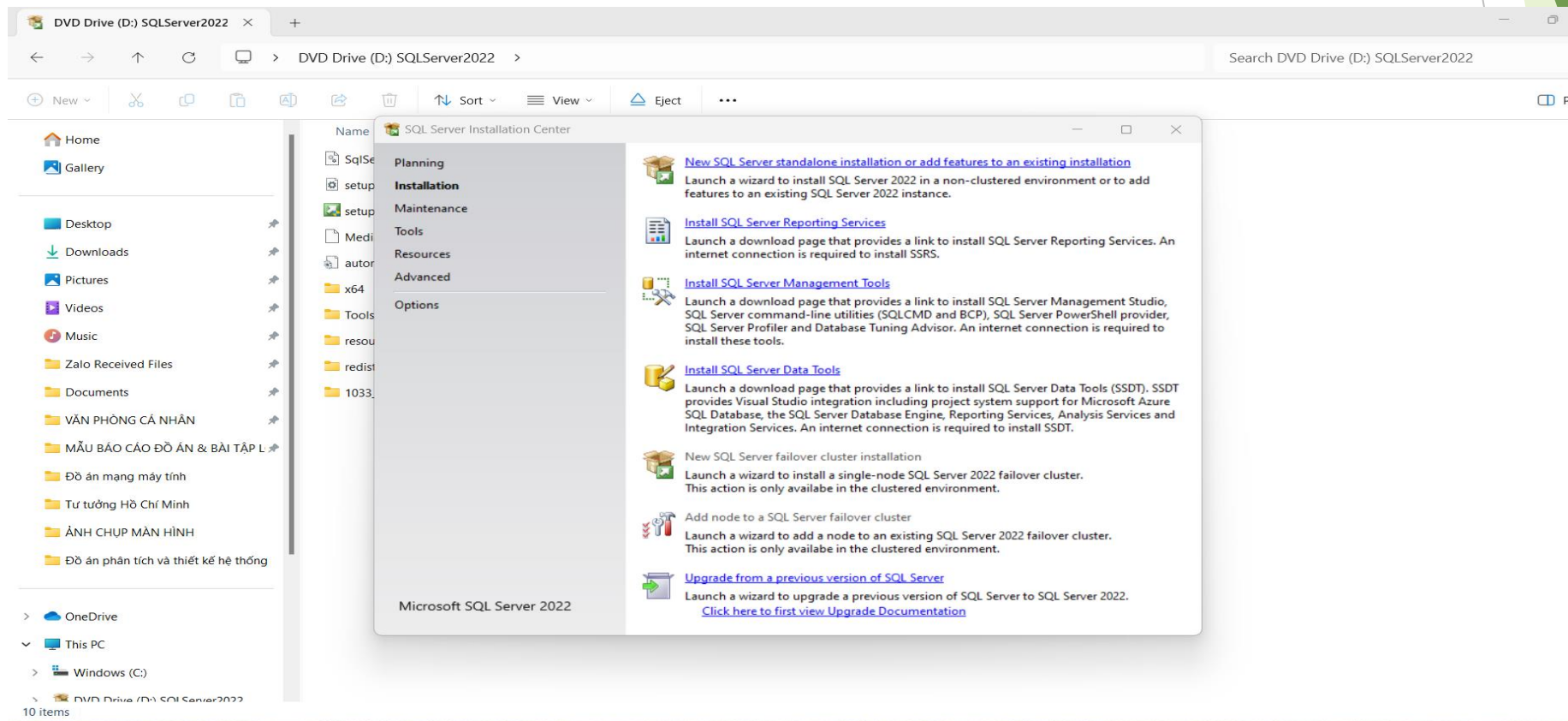
5.chọn file *SQLServer2022-x64-ENU-Dev.iso* và *click* vào *Mount* như vị trí 2 để ghi tệp ISO ra đĩa DVD.



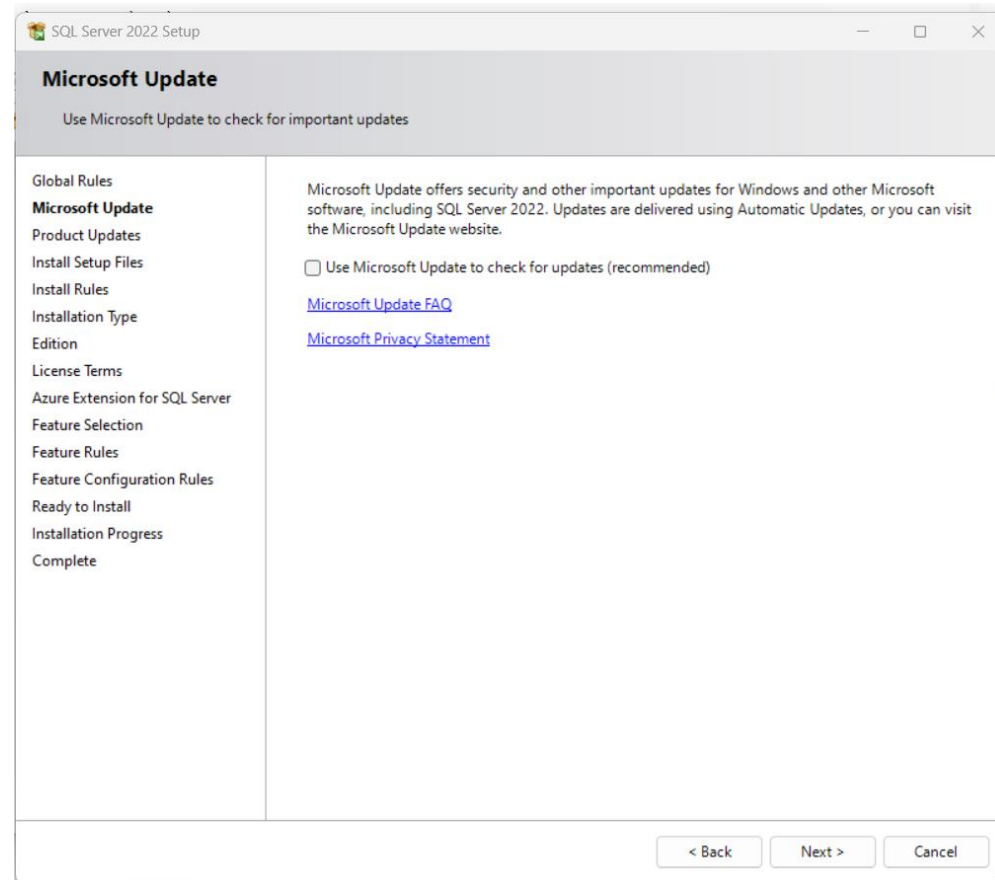
6. Tiến hành mở file *setup.exe* trong đĩa ảo được tạo ra



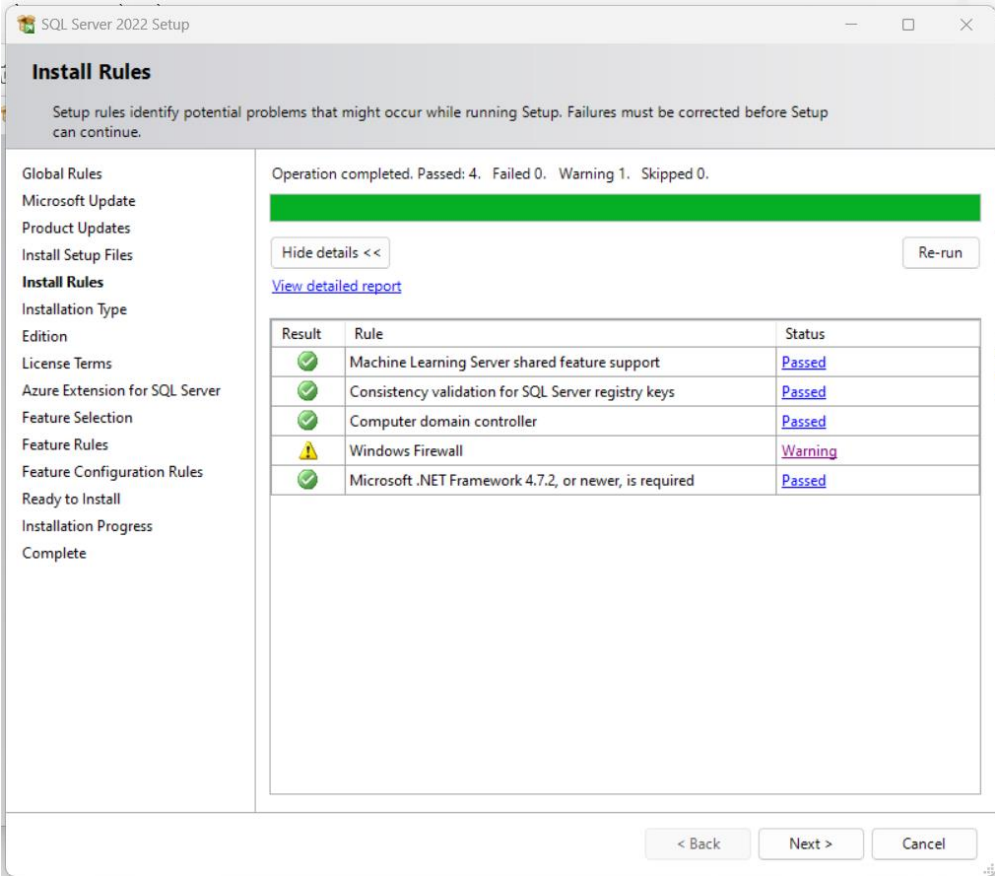
7. Đầu tiên chọn Installation rồi sau đó click chọn mục *New SQL server standalone installation or features to an existing installation*.



8. chọn *Next*.



9. tiếp tục *Next*.



10. chọn *Next*.

SQL Server 2022 Setup

Installation Type

Perform a new installation or add features to an existing instance of SQL Server 2022.

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Installation Type

Edition

License Terms

Azure Extension for SQL Server

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

☒ Perform a new installation of SQL Server 2022

Select this option if you want to install a new instance of SQL Server or want to install shared components.

☐ Add features to an existing instance of SQL Server 2022

MSSQLSERVER

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:

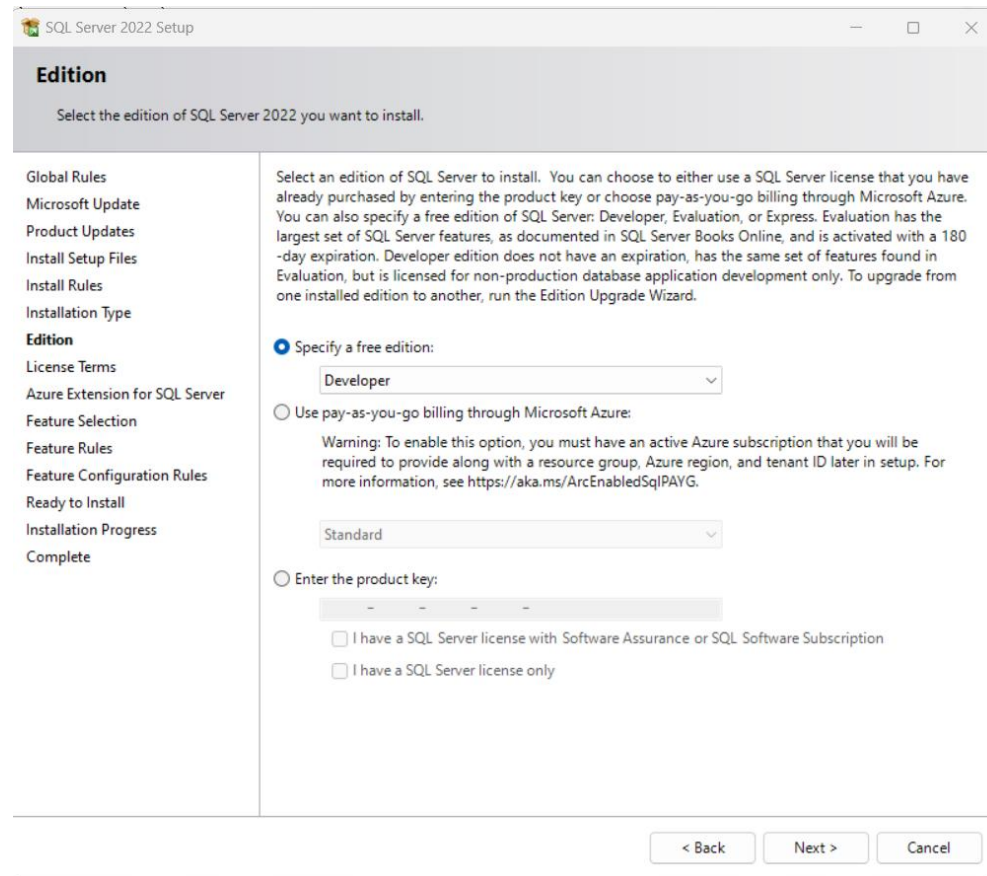
Instance Name	Instance ID	Features	Edition	Version
MSSQLSERVER	MSSQL16.MSSQLS...	SQLEngine, SQLEn...	Express	16.0.1000.6

< Back

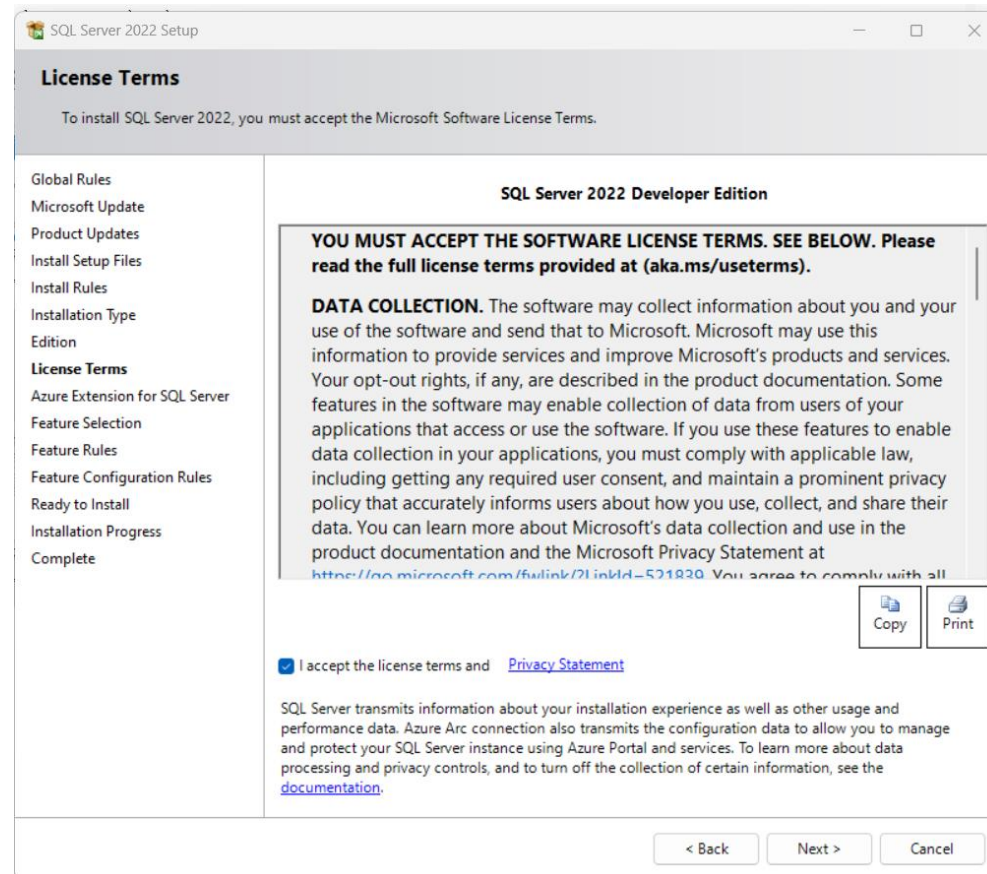
Next >

Cancel

11. chọn *Developer* (để sử dụng miễn phí và chạy được các tất cả các câu lệnh có thể dùng). Sau khi chọn ta bấm *Next*.



12. chọn *I accept the license terms and privacy statement* để chấp nhận bản quyền và tiến hành cài đặt. Tiếp theo chọn *Next*.



13. ta không sử dụng đến nên tiếp tục bấm *Next* mà không chọn bất kì lựa chọn nào.

The screenshot shows the 'SQL Server 2022 Setup' window. The title bar reads 'SQL Server 2022 Setup'. The main heading is 'Azure Extension for SQL Server'. Below the heading, a message states: 'Azure Extension for SQL Server is required to enable Microsoft Defender for Cloud, Purview, and Azure Active Directory.'

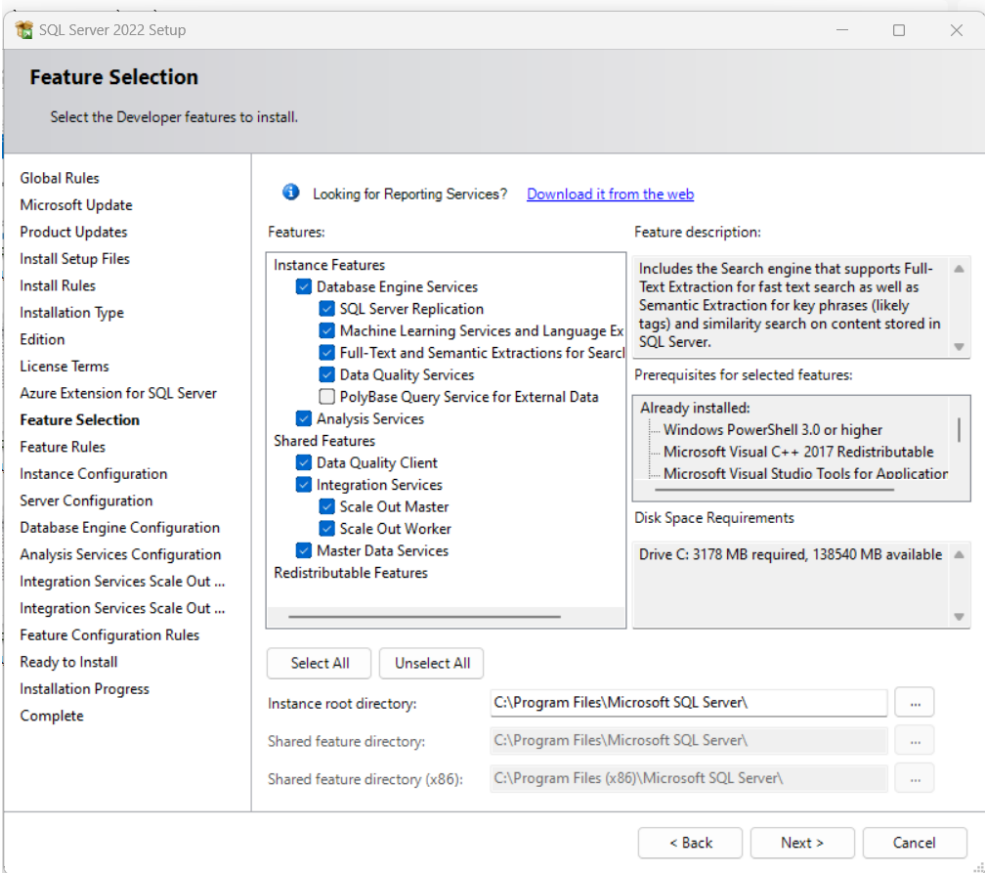
On the left, a list of installation steps is shown: Global Rules, Microsoft Update, Product Updates, Install Setup Files, Install Rules, Installation Type, Edition, License Terms, **Azure Extension for SQL Serv...**, Feature Selection, Feature Rules, Feature Configuration Rules, Ready to Install, Installation Progress, and Complete. The 'Azure Extension for SQL Serv...' step is currently selected.

The main content area has a checkbox labeled 'Azure Extension for SQL Server' which is unchecked. To its right, a text block explains: '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>.'

Below this, there are two radio button options: 'Use Azure Login' (unchecked) and 'Use Service Principal' (checked). Under 'Use Service Principal', there are input fields for 'Azure Service Principal ID*' and 'Azure Service Principal Secret*'. Below these, there are input fields for 'Azure Subscription ID*', 'Azure Resource Group*', 'Azure Region*', 'Azure Tenant ID*', and 'Proxy Server URL (optional)'. All these input fields are currently empty.

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

14. Ta chọn những tính năng cần thiết rồi chọn *Next*.



15. *click* vào *Named Instance* và đặt tên , chọn next

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.

Global Rules

Microsoft Update

Product Updates

Install Setup Files

Install Rules

Installation Type

Edition

License Terms

Azure Extension for SQL Server

Feature Selection

Feature Rules

Instance Configuration

Server Configuration

Database Engine Configuration

Analysis Services Configuration

Integration Services Scale Out ...

Integration Services Scale Out ...

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

☐ Default instance

☒ Named instance: *

Instance ID:

Analysis Services directory: C:\Program Files\Microsoft SQL Server\MSAS16.MSSQL_SERVER

Installed instances:

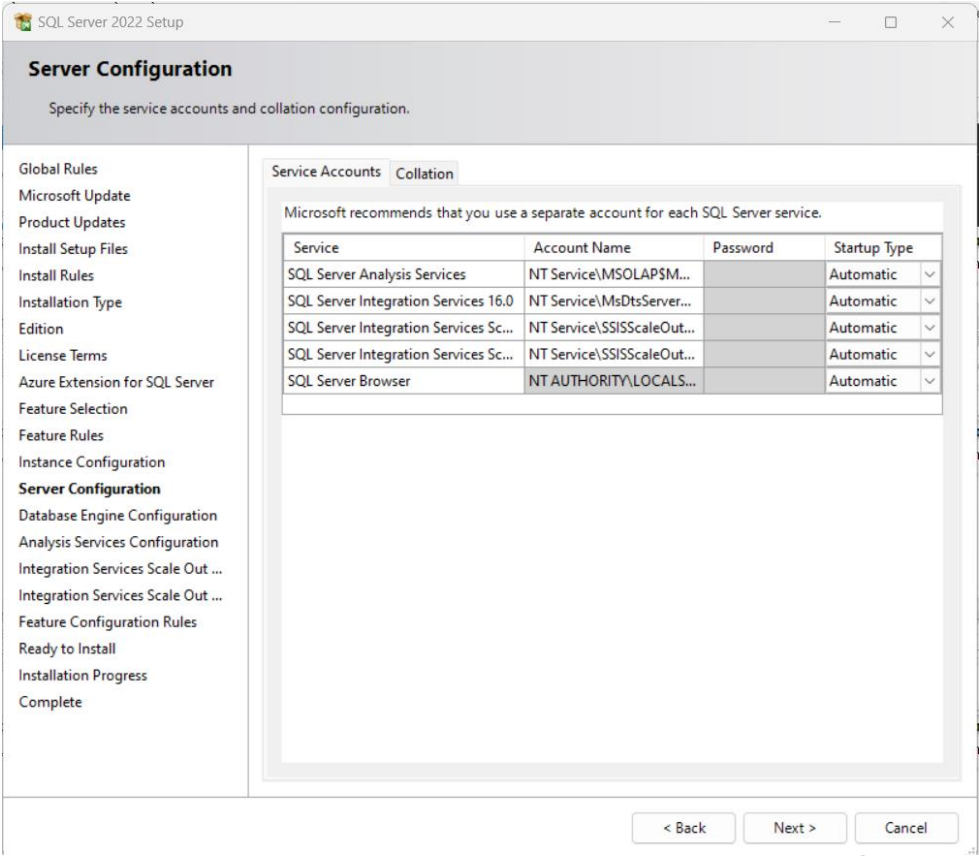
Instance Name	Instance ID	Features	Edition	Version
MSSQLSERVER	MSSQL16.MSSQLS...	SQLEngine,SQLEn...	Express	16.0.1000.6

< Back

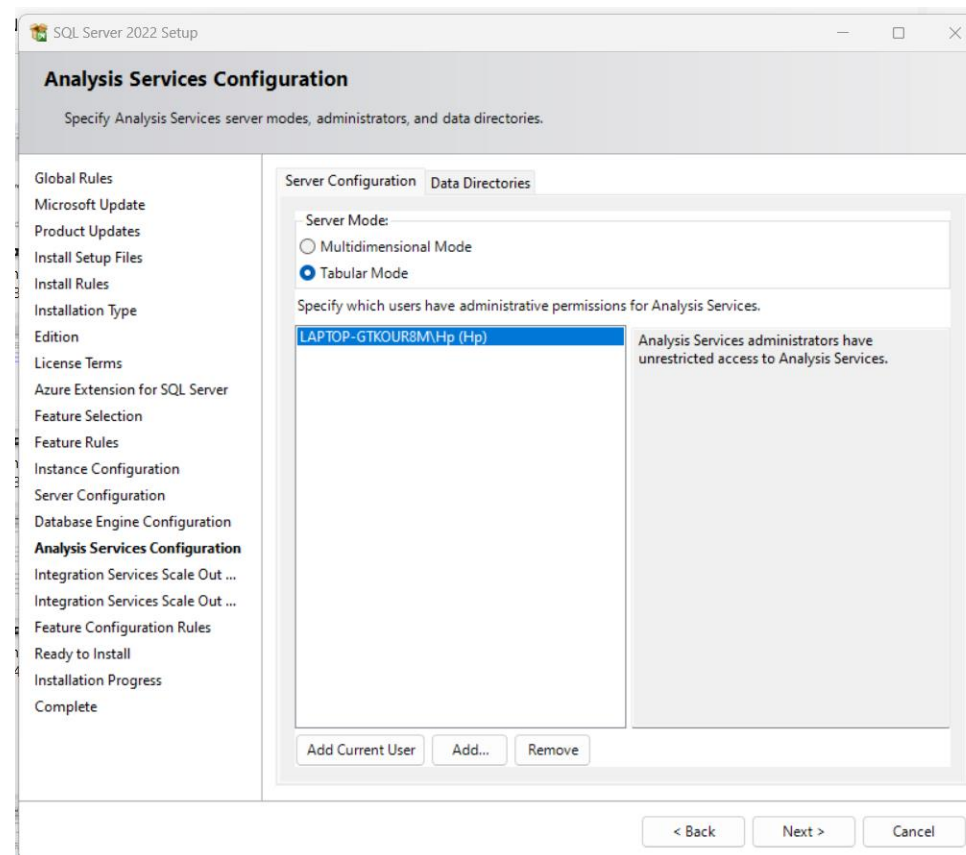
Next >

Cancel

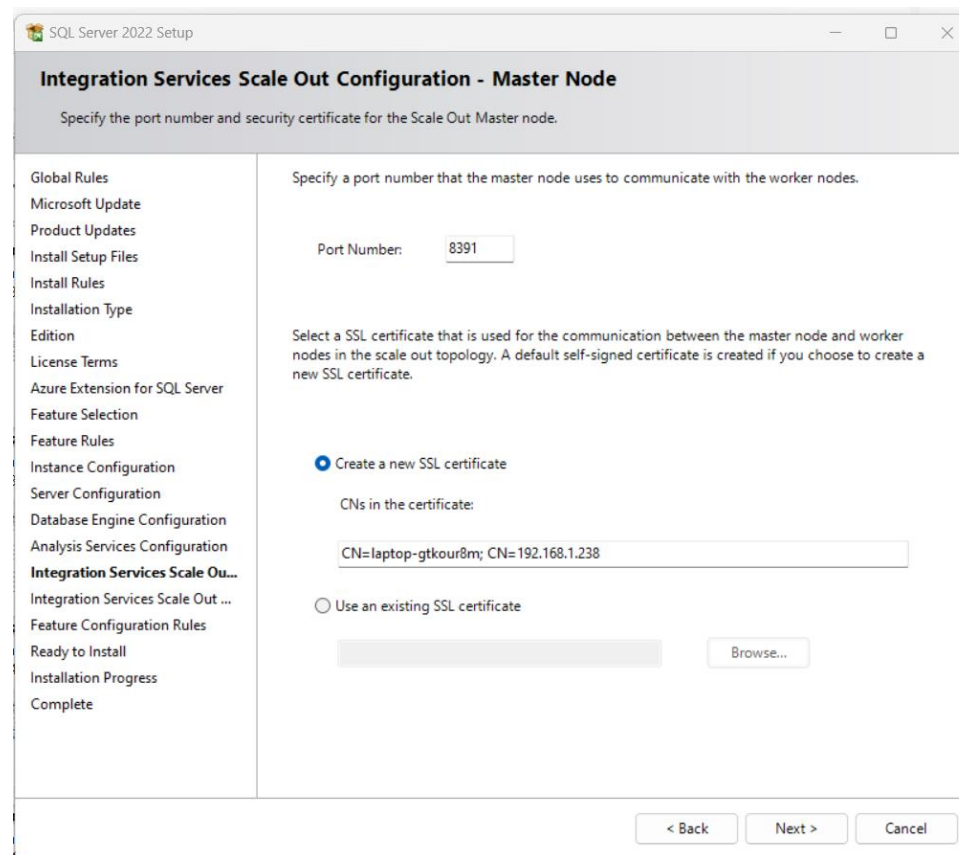
16. Cửa sổ *Server Configuration* ta tiếp tục chọn *Next*.



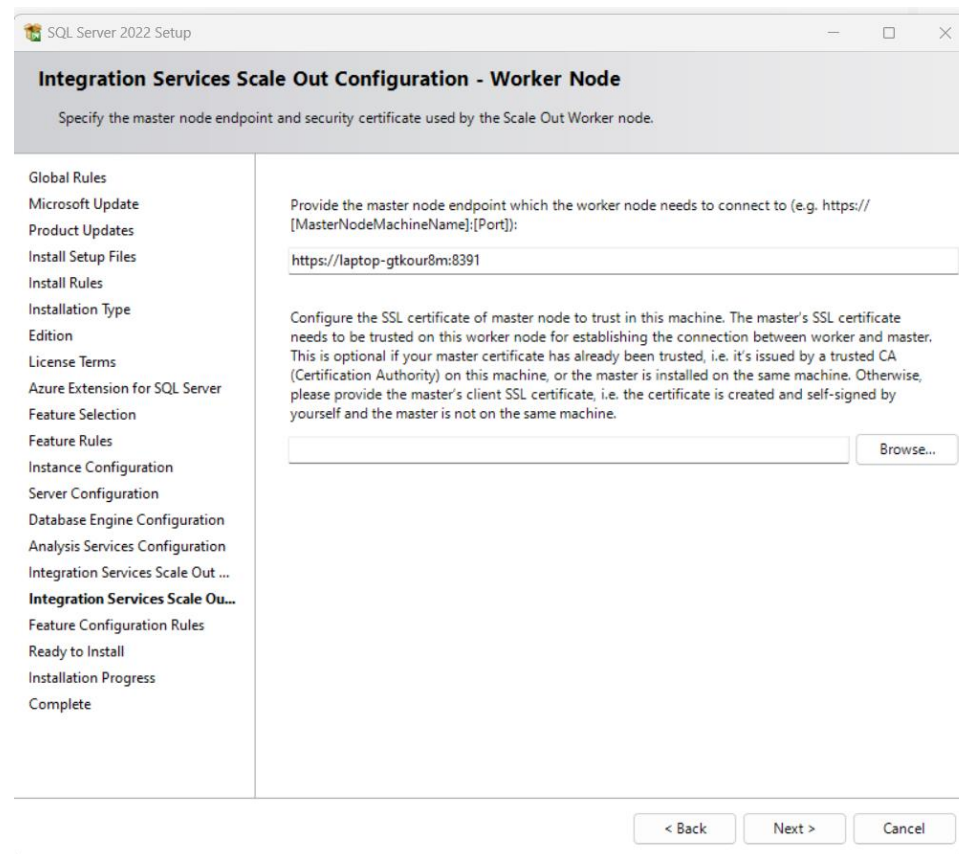
17. Trong cửa sổ *Analysis Services Configuration*, chọn chế độ *Tabular Mode*, Add người dùng hiện tại rồi bấm *Next*.



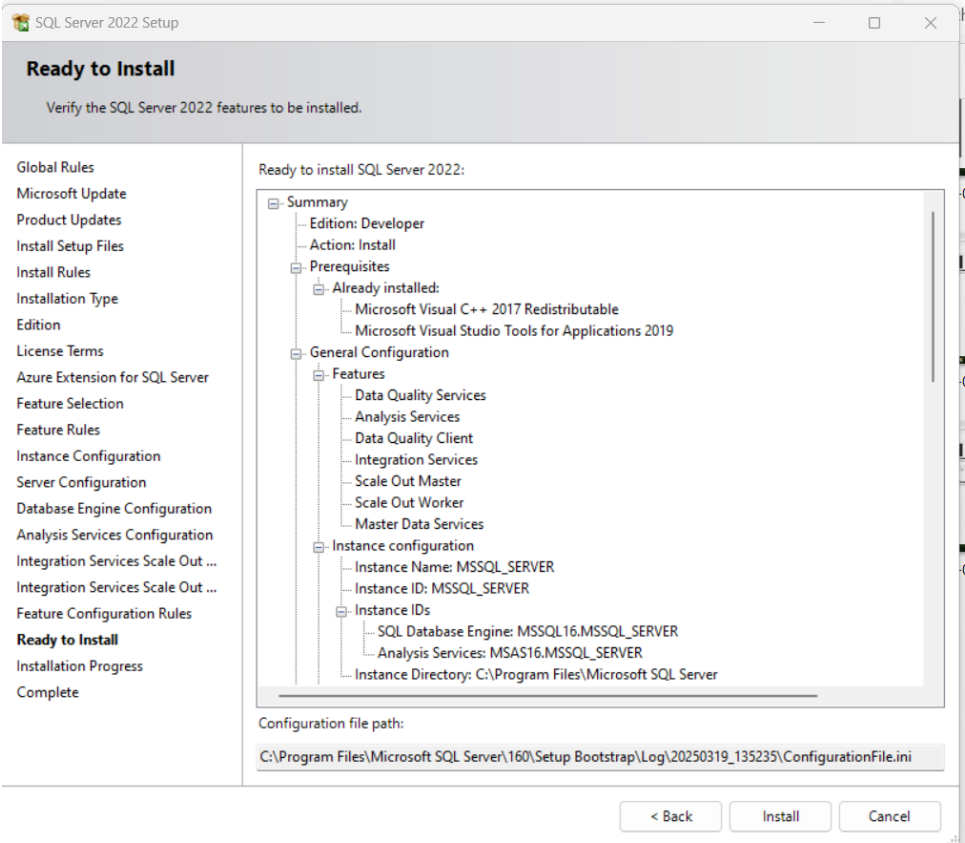
18. Tại cửa sổ tiếp theo, ta không thay đổi thông số nào, tiếp tục bấm *Next*.



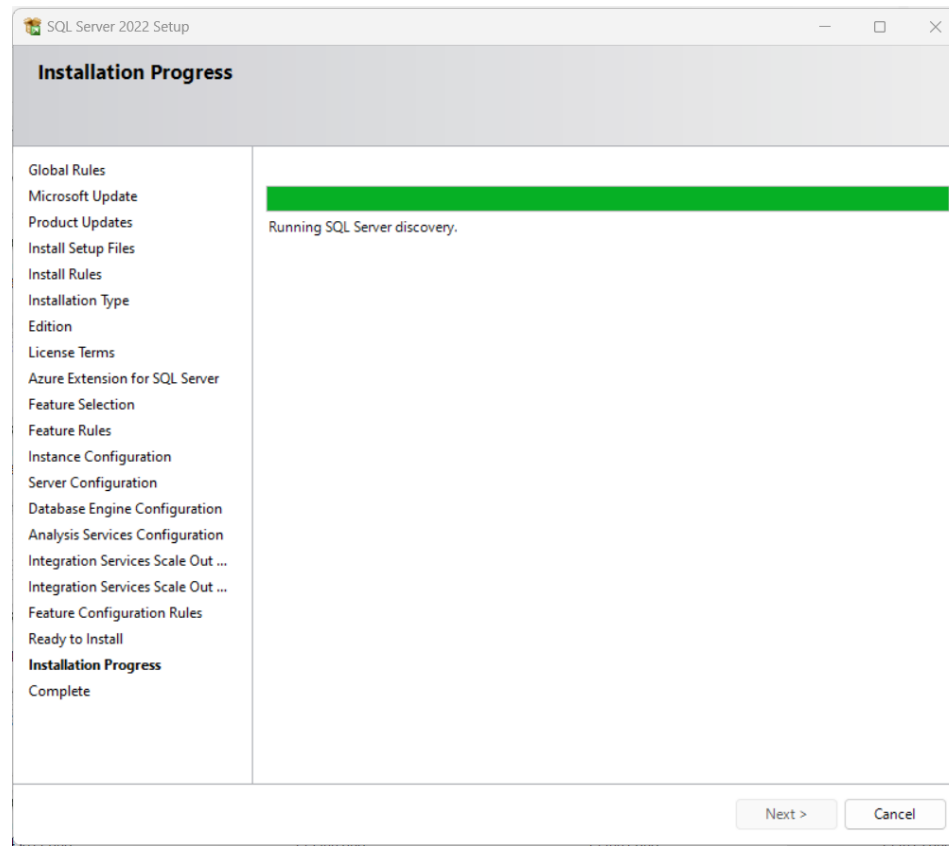
19. Tiếp tục bấm *Next*.



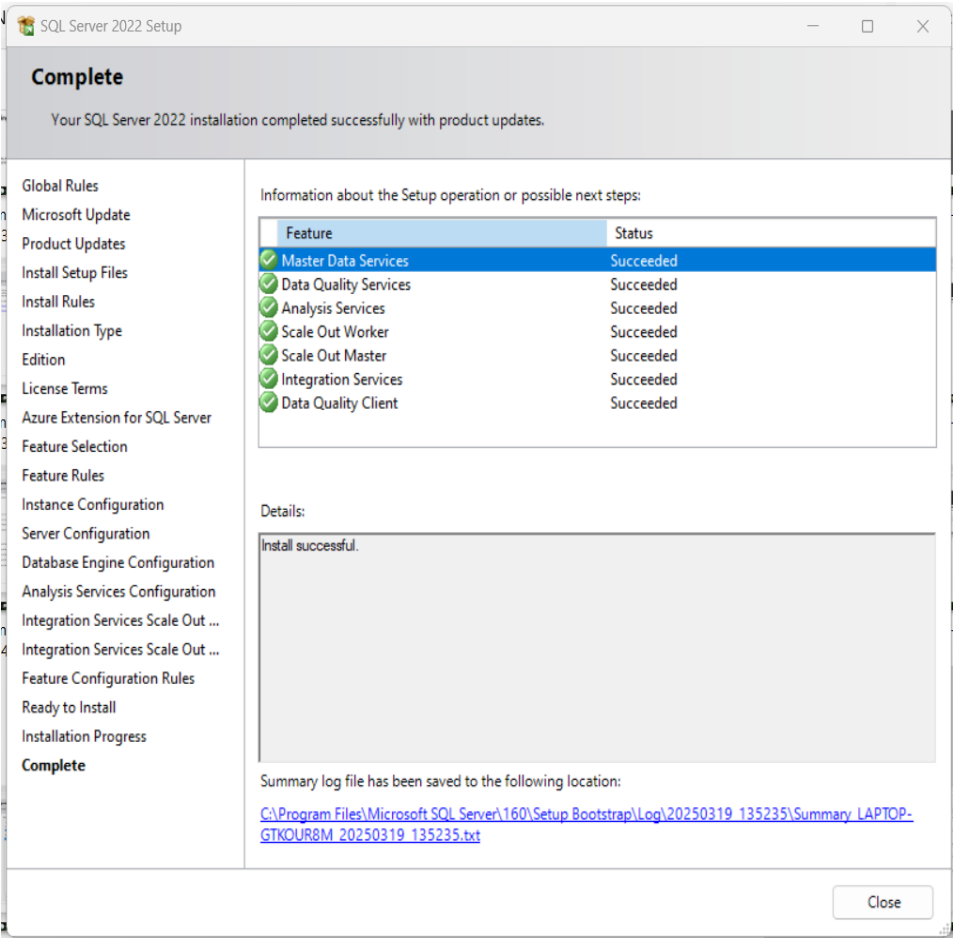
20. hệ thống cho phép soát lại toàn bộ các mục sẽ cài đặt. Nếu cần sửa đổi lại các thông số phía trước thì ta click vào *Back*. Ngược lại bấm *Install* để cài đặt phần mềm.



21. Chờ trong giây lát để quá trình cài đặt được thực hiện



22. click vào Close.



23. Download SSMS theo nguồn trên.

The screenshot shows a web browser window with the URL `learn.microsoft.com/en-us/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver16#download-ssms`. The page title is "Download SSMS". On the left, a navigation pane lists "Microsoft SQL documentation >" with sub-items: "SQL Server Management Studio 21 Preview", "Download SSMS" (highlighted), "Release notes", "Overview", "Quickstarts", "Tutorials", "Concepts", "How-to", "References", and "Resources". At the bottom of the pane is a "Download PDF" link. The main content area starts with a heading "Download SQL Server Management Studio (SSMS) 20.2" and a paragraph stating that SSMS 20.2 is the latest GA version and that users should uninstall previous versions before installing. A bulleted list provides release details: Release number: 20.2, Build number: 20.2.30.0, and Release date: July 9, 2024. A paragraph explains that using SQL Server Management Studio involves agreeing to license terms and privacy statements, and directs users to the SSMS Developer Community site. Another paragraph notes that SSMS 20.x is installed alongside previous versions and that users must uninstall previous versions if they have a preview version. A final paragraph advises verifying the correct version for specific needs, noting that the latest version is labeled "Microsoft SQL Server Management Studio v20.2". A blue box labeled "Important" states that for SSMS versions 18.7 through 19.3, Azure Data Studio is automatically installed alongside SSMS, and users can benefit from its innovations and features. On the right, an "Additional resources" section includes "Training" (with links for learning paths, certification, and administration) and "Documentation" (with links for release notes, connect to server, and SSMS details).

SQL Server 2022 | Microsoft Ev... Windows | Docker Docs WSL | Docker Docs Download SQL Server Managemen... +

learn.microsoft.com/en-us/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver16#download-ssms

Download SSMS

[Download SQL Server Management Studio \(SSMS\) 20.2](#)

SSMS 20.2 is the latest generally available (GA) version. If you have a *preview* version of SSMS 20 installed, uninstall it before installing SSMS 20.2. Installing SSMS 20.2 doesn't upgrade or replace SSMS 19.x and earlier versions.

- Release number: 20.2
- Build number: 20.2.30.0
- Release date: July 9, 2024

By using SQL Server Management Studio, you agree to its [license terms](#) and [privacy statement](#). If you have comments or suggestions or want to report issues, the best way to contact the SSMS team is at the [SSMS Developer Community](#) site.

The SSMS 20.x installation doesn't upgrade or replace SSMS 19.x and earlier versions. SSMS 20.x installs alongside previous versions, so both versions are available. However, if you have an earlier *preview* version of SSMS 20 installed, you must uninstall it before installing the latest release of SSMS 20. You can see if you have a preview version by going to the **Help > About** window.

If a computer contains side-by-side installations of SSMS, verify you start the correct version for your specific needs. The latest version is labeled **Microsoft SQL Server Management Studio v20.2**.

Important

For SQL Server Management Studio (SSMS) 18.7 through 19.3, Azure Data Studio is automatically installed alongside SSMS. Users of SQL Server Management Studio are able to benefit from the innovations and features in Azure Data Studio. Azure Data Studio is a cross-platform and open-source desktop tool for your environments, whether in the cloud, on-

Additional resources

Training

Learning path
[Explore SQL Server 2022 capabilities - Training](#)
Explore SQL Server 2022 capabilities

Certification
[Microsoft Certified: Azure Database Administrator Associate - Certifications](#)
Administer an SQL Server database infrastructure for cloud, on-premises and hybrid relational databases using the Microsoft PaaS relational database...

Documentation

[Release notes for \(SSMS\)](#)
Release notes for SQL Server Management Studio (SSMS).

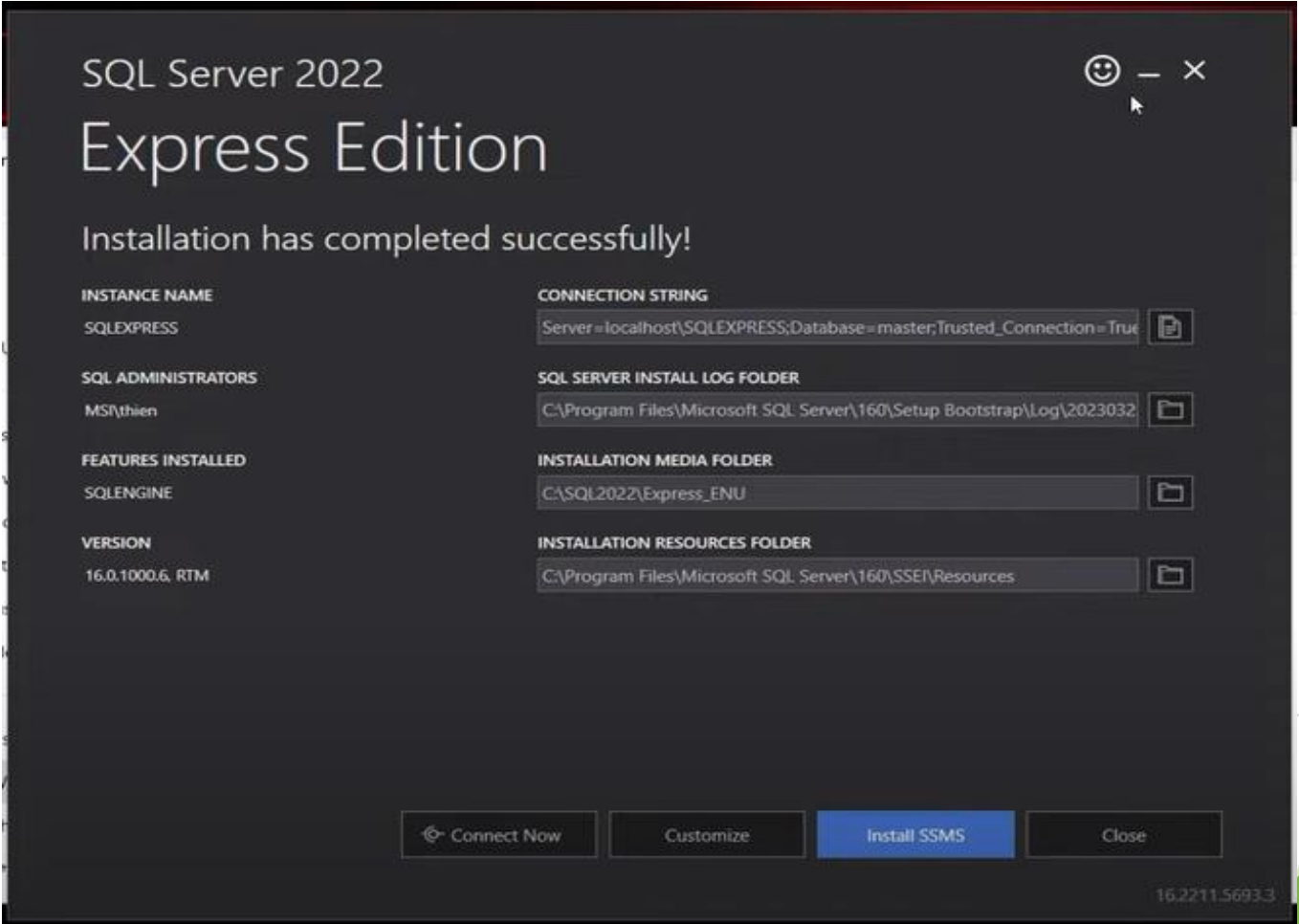
[Connect to Server \(Login page\) - Database Engine](#)
This article shows how to use the Connect to Server (Login page) Database Engine.

[SQL Server Management Studio \(SSMS\)](#)
Learn details about SQL Server Management Studio (SSMS) and what SSMS can do, including how to manage Analysis Services Solutions.

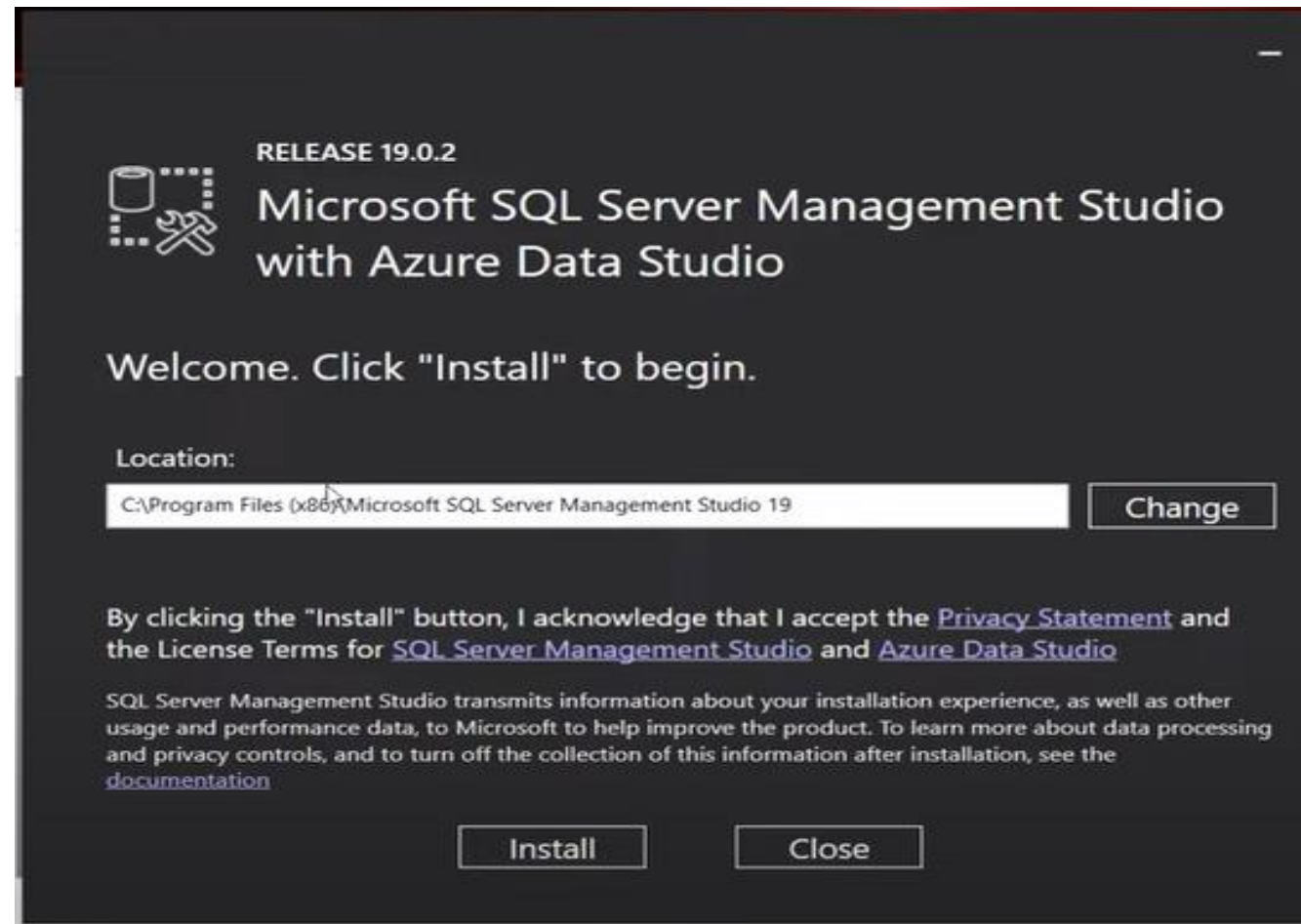
[Show more](#)

[Download PDF](#)

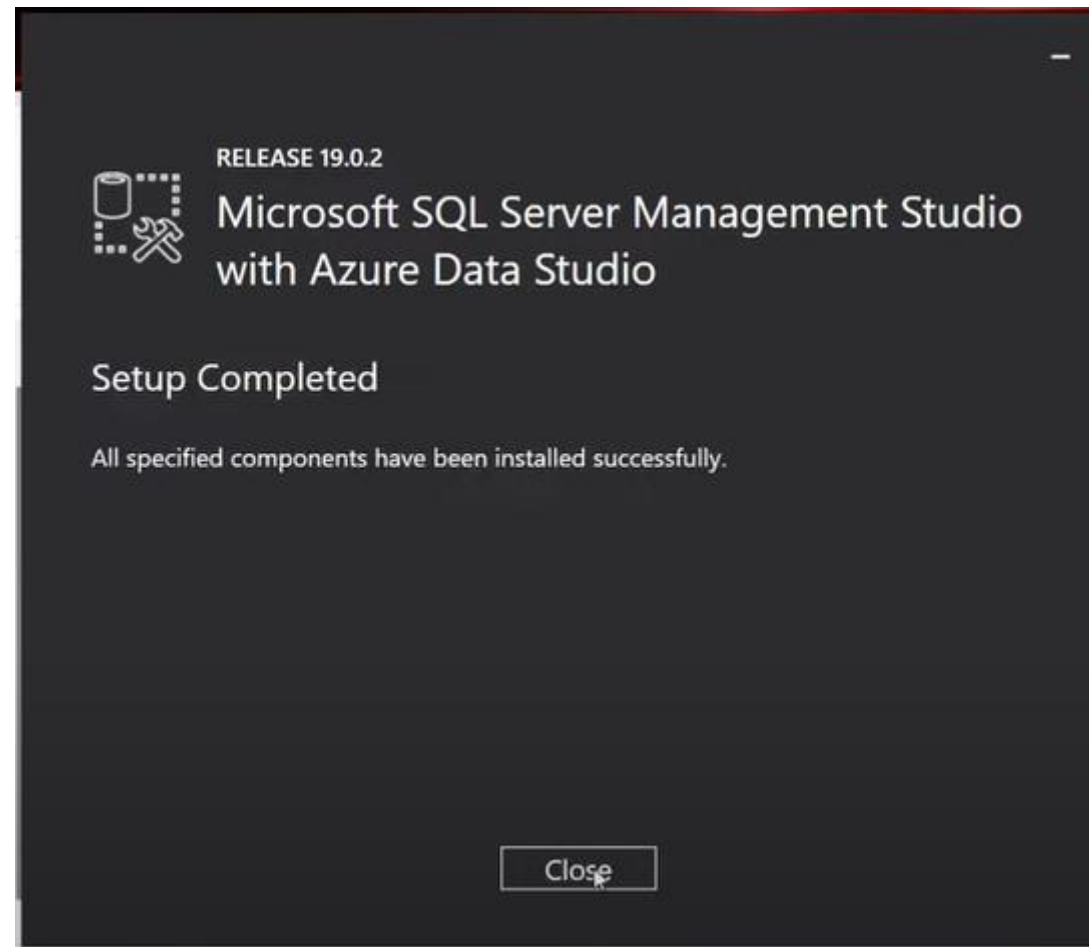
24. *click Install SSMS.*



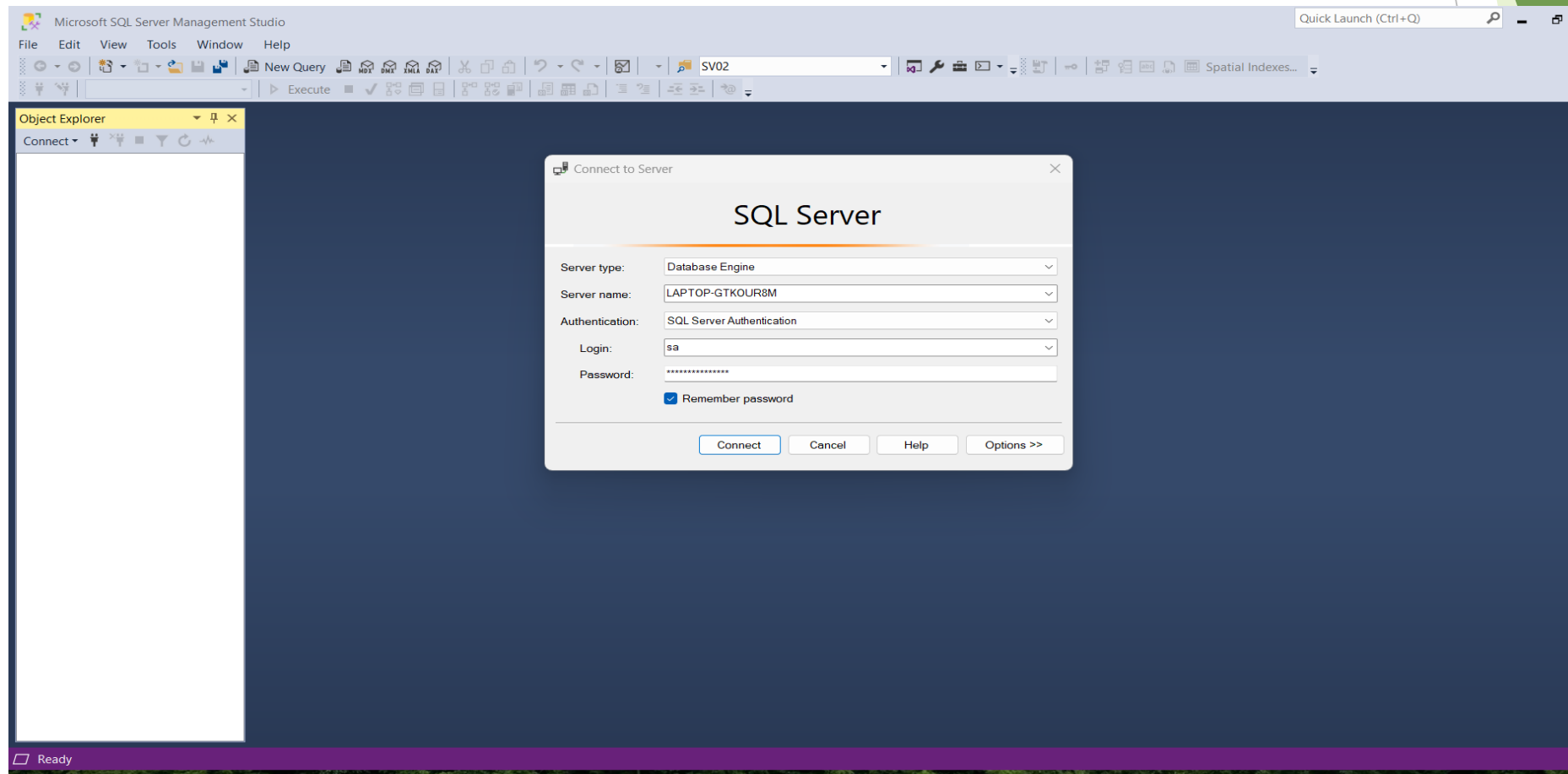
25. *click Install.*



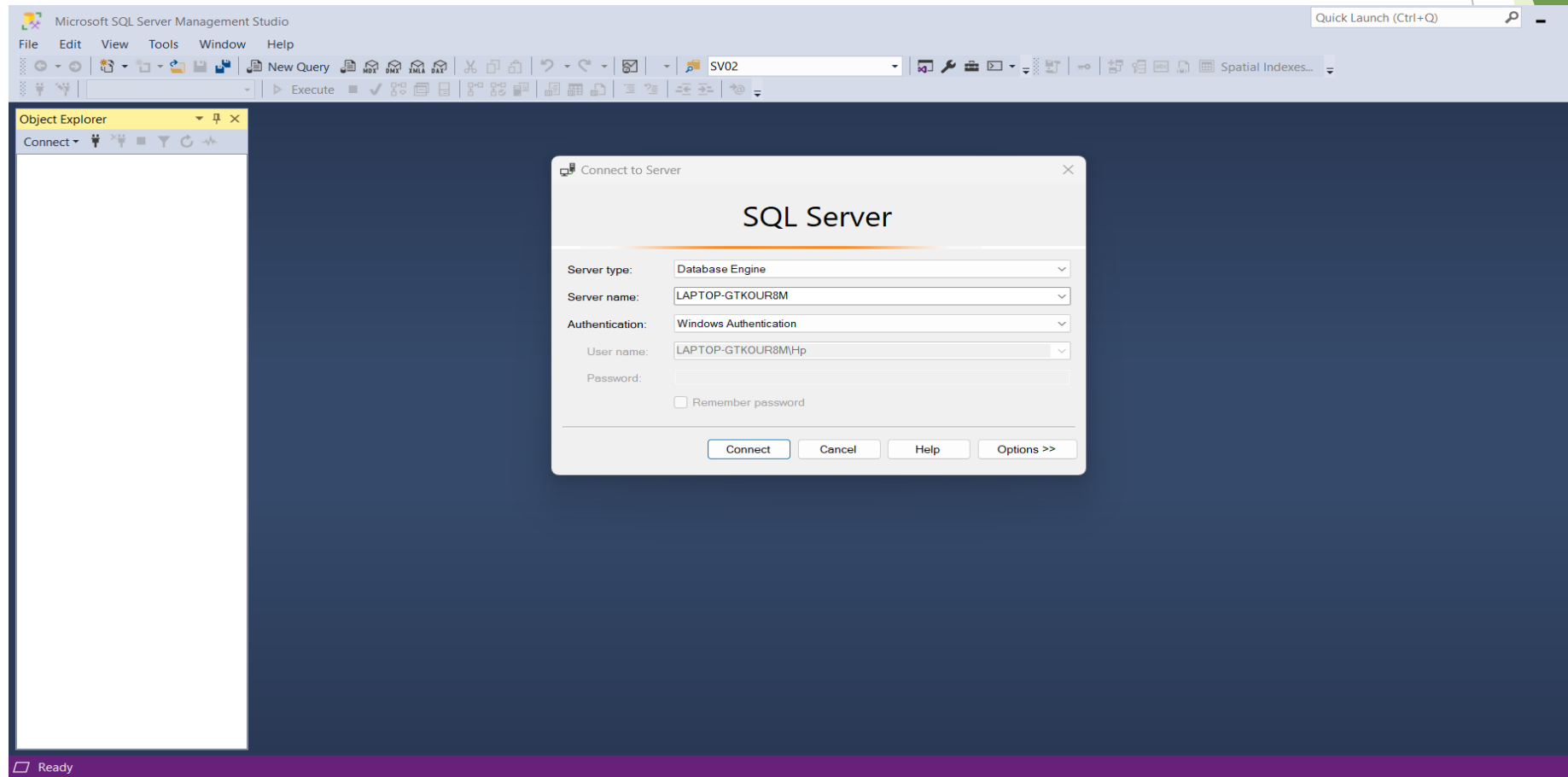
26. *click Close.*



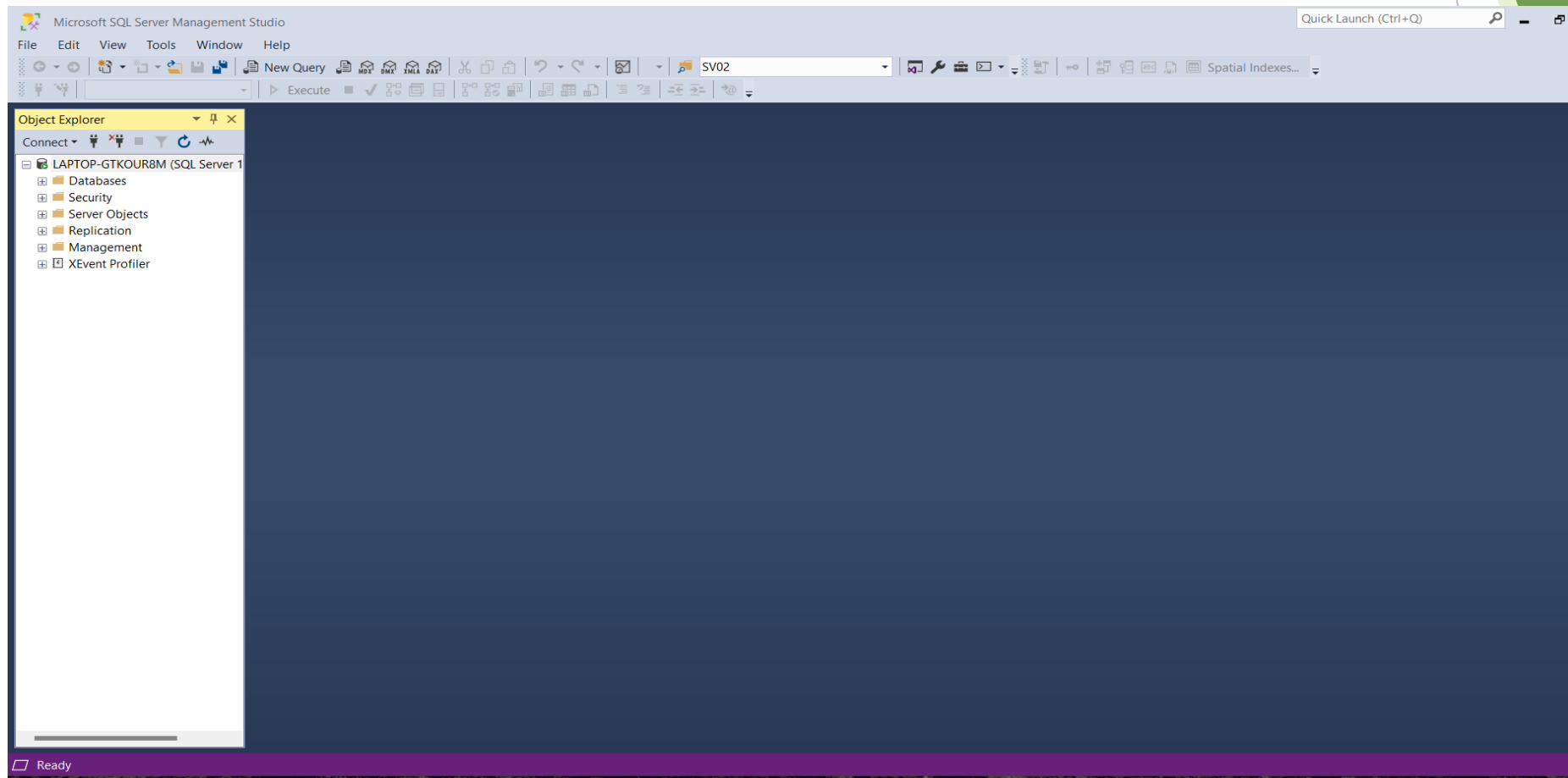
27. Đăng nhập bằng *SQL Server Authentication*.



28. Đăng nhập *Windows Authentication*.



29. Hiển thị kết quả.



30. Nơi xem *SQL Server(MSSQLSERVER)* đang running tại *SQL Server Configuration Manager*.

Download SQL Server 2022 Development... Saved to this PC

File Home Insert Design Transitions Animations Slide Show Record Review View Help

Clipboard

1 2 3 4 5 6

Slide 1 of 30 English

SQL Server Configuration Manager

File Action View Help

SQL Server Configuration Manager (Local)

SQL Server Services

SQL Server Network Configuration (32bit)

SQL Native Client 11.0 Configuration (32b

Azure Extension For SQL Server

SQL Server Network Configuration

SQL Native Client 11.0 Configuration

Azure Extension For SQL Server

Name	State	Start Mode	Log On As
SQL Server Integration Services 16.0	Running	Automatic	NT Service\MsDtsSe
SQL Server Analysis Services (MSSQLSERVER)	Running	Automatic	NT Service\MSOLAP
SQL Full-text Filter Daemon Launcher (MSSQLSERVER)	Running	Manual	NT Service\MSSQLF
SQL Server Launchpad (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLL
SQL Server (MSSQLSERVER)	Running	Automatic	NT Service\MSSQLS
SQL Server Browser	Running	Automatic	NT AUTHORITY\LOC
SQL Server PolyBase Data Movement (MSSQLSERVER)	Running	Automatic	NT AUTHORITY\NET
SQL Server PolyBase Engine (MSSQLSERVER)	Running	Automatic	NT AUTHORITY\NET
SQL Server Agent (MSSQLSERVER)	Stopped	Other (Boot, System...	NT AUTHORITY\NET

Record Present in Teams Share

Find and Replace Replace Fonts Dictate Add-ins Designer

ay thì chọn vào chỗ nào để download file
ia mỗi tùy chọn này, => kết quả

server Auth)

server (để, ko cần gọi ý)

trên máy tính cá nhân (gọi ý: NAT Port,

server từ xa (gọi ý keyword: VPN tunnel)

chụp full màn hình để thấy sự cá nhân

phần trên ảnh chụp, mô tả lại bằng tiếng

cập public, upload cả file pptx và pdf lên

Windows (CRLF) UTF-8

NguyenVanThu 16062004

Search

10:49 PM 3/19/2025