

cài đặt rules

SQL Server 2022 Setup

Install Rules

Setup rules identify potential problems that might occur while running Setup. Failures must be corrected before Setup can continue.

Global Rules

- Microsoft Update
- Product Updates
- Install Setup Files
- Install Rules**
- Installation Type
- License Terms
- Azure Extension for SQL Server
- Feature Selection
- Feature Rules
- Instance Configuration
- Server Configuration
- Database Engine Configuration
- Feature Configuration Rules
- Installation Progress
- Complete

Operation completed. Passed: 4. Failed 0. Warning 1. Skipped 0.

Hide details << Re-run

[View detailed report](#)

Result	Rule	Status
✓	Machine Learning Server shared feature support	Passed
✓	Consistency validation for SQL Server registry keys	Passed
✓	Computer domain controller	Passed
⚠	Windows Firewall	Warning
✓	Microsoft .NET Framework 4.7.2, or newer, is required	Passed

< Back Next > Cancel

cài đặt tích hợp sql sever với mycrosofp Azune

SQL Server 2022 Setup

Azure Extension for SQL Server

Azure Extension for SQL Server is required to enable Microsoft Defender for Cloud, Purview, and Azure Active Directory.

- Global Rules
- Microsoft Update
- Product Updates
- Install Setup Files
- Install Rules
- Installation Type
- License Terms
- Azure Extension for SQL Serv...**
- Feature Selection
- Feature Rules
- Instance Configuration
- Server Configuration
- Database Engine Configuration
- Feature Configuration Rules
- Installation Progress
- Complete

☐ 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*

Azure Service Principal Secret*

Azure Subscription ID*

Azure Resource Group*

Azure Region*

Azure Tenant ID*

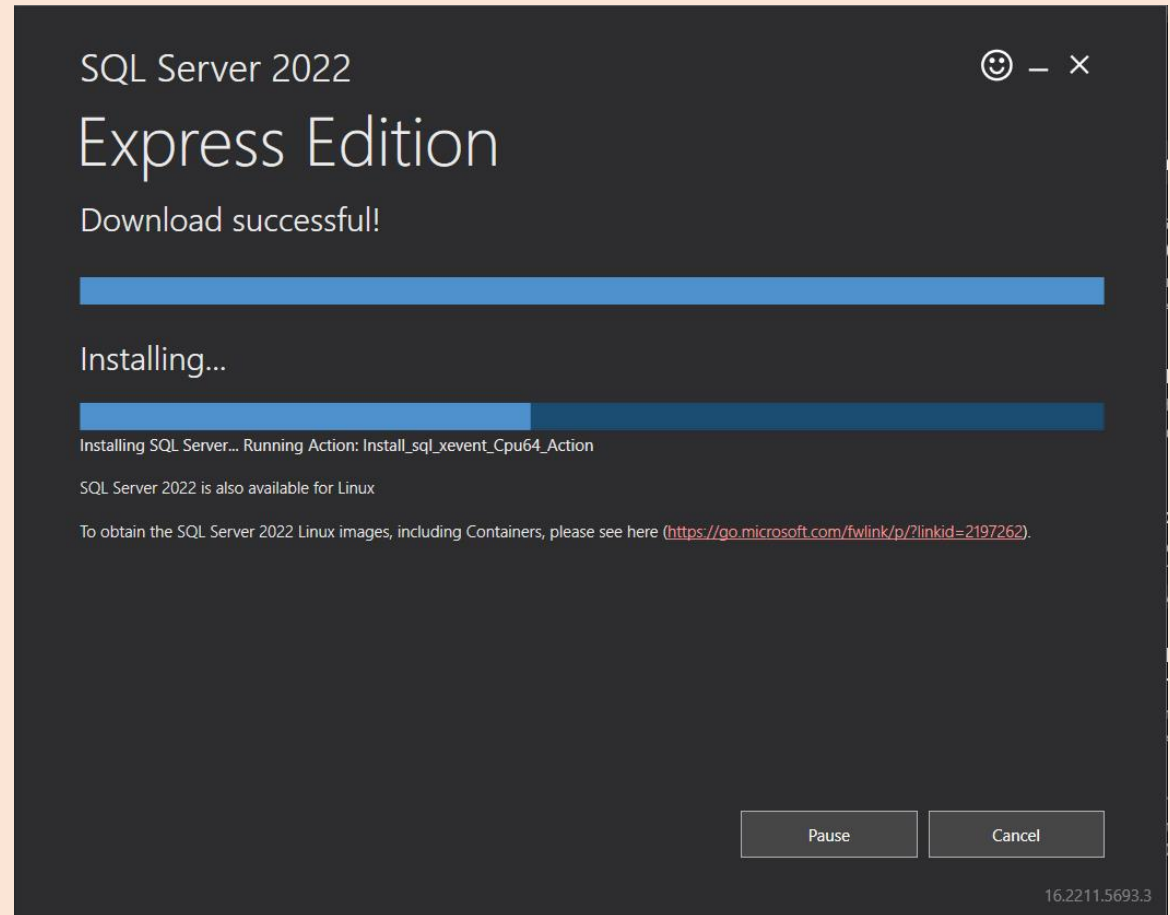
Proxy Server URL (optional)

< Back

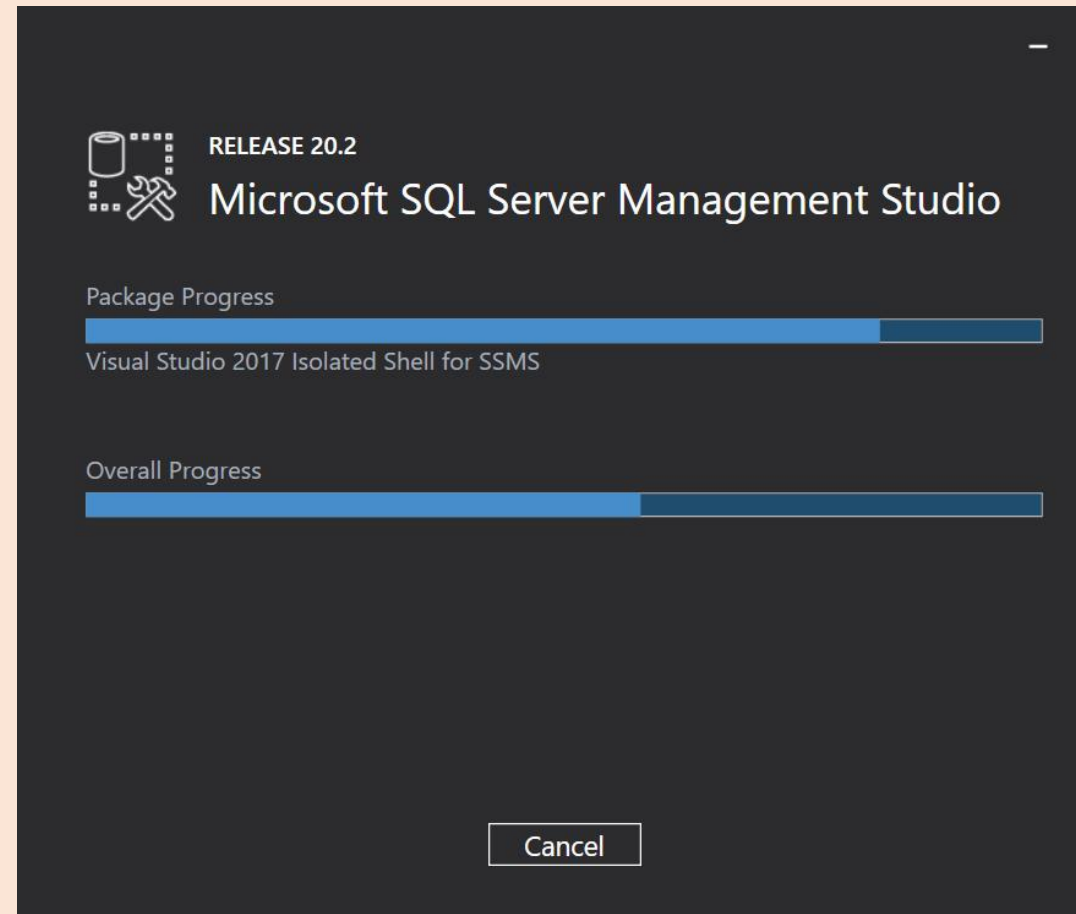
Next >

Cancel

cài đặt sql sever 2022 Express edition
theo link:
<https://www.microsoft.com/en-us/download/details.aspx?id=104781>



cài đặt mycrosoft sql sever Management Studio theo link <https://aka.ms/ssmsfullsetup>



cài đặt xong Express edition

SQL Server 2022

Express Edition

Installation has completed successfully!

INSTANCE NAME

SQLEXPRESS

SQL ADMINISTRATORS

KIEN\nguye

FEATURES INSTALLED

SQLENGINE

VERSION

16.0.1000.6, RTM

CONNECTION STRING

Server=localhost;SQLEXPRESS;Database=master;Trusted_Connection=True

SQL SERVER INSTALL LOG FOLDER

C:\Program Files\Microsoft SQL Server\160\Setup Bootstrap\Log\2025031

INSTALLATION MEDIA FOLDER

C:\SQL2022\Express_ENU

INSTALLATION RESOURCES FOLDER

C:\Program Files\Microsoft SQL Server\160\SSEI\Resources

Connect Now

Customize

Install SSMS

Close

16.2211.5693.3

Đây là màn hình Server Configuration trong quá trình cài đặt SQL Server 2022.

Cấu hình hiển thị

SQL Server 2022 Setup

Server Configuration

Specify the service accounts and collation configuration.

Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Installation Type
License Terms
Azure Extension for SQL Server
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Installation Progress
Complete

Service Accounts Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Database Engine	NT Service\MSSQLSERVER		Automatic
SQL Server Browser	NT AUTHORITY\LOCAL...		Disabled

☐ Grant Perform Volume Maintenance Tasks privilege to SQL Server Database Engine Service

This privilege enables instant file initialization by avoiding zeroing of data pages. This may lead to information disclosure by allowing deleted content to be accessed.

[Click here for details](#)

< Back Next > Cancel

Đây là màn hình Database Engine Configuration trong quá trình cài đặt SQL Server 2022.

Cấu hình hiển thị:
Authentication Mode (Chế độ xác thực)
SQL Server Administrators

The screenshot shows the 'Database Engine Configuration' window in the SQL Server 2022 Setup process. The window title is 'SQL Server 2022 Setup'. The main heading is 'Database Engine Configuration' with a subtitle: 'Specify Database Engine authentication security mode, administrators, data directories, TempDB, Max degree of parallelism, Memory limits, and Filestream settings.' The left sidebar contains a list of installation steps: Global Rules, Microsoft Update, Product Updates, Global Rules (highlighted), Install Setup Files, Install Rules, Installation Type, License Terms, Azure Extension for SQL Server, Feature Selection, Feature Rules, Instance Configuration, Server Configuration, Database Engine Configuration (highlighted), Feature Configuration Rules, Installation Progress, and Complete. The main area has tabs for 'Server Configuration', 'Data Directories', 'TempDB', 'Memory', 'User Instances', and 'FILESTREAM'. The 'Server Configuration' tab is active, showing the 'Authentication Mode' section. It includes a heading 'Specify the authentication mode and administrators for the Database Engine.' and two radio buttons: 'Windows authentication mode' and 'Mixed Mode (SQL Server authentication and Windows authentication)'. The 'Mixed Mode' option is selected. Below this, there are fields for 'Specify the password for the SQL Server system administrator (sa) account.', 'Enter password:', and 'Confirm password:'. The 'Specify SQL Server administrators' section shows a list box with 'KIEN\nguyet (nguyet)' selected. To the right of the list box, it says 'SQL Server administrators have unrestricted access to the Database Engine.' At the bottom of the list box are buttons for 'Add Current User', 'Add...', and 'Remove'. At the bottom right of the window are buttons for '< Back', 'Next >', and 'Cancel'.

SQL Server 2022 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories, TempDB, Max degree of parallelism, Memory limits, and Filestream settings.

Global Rules
Microsoft Update
Product Updates
Global Rules
Install Setup Files
Install Rules
Installation Type
License Terms
Azure Extension for SQL Server
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Installation Progress
Complete

Server Configuration | Data Directories | TempDB | Memory | 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

KIEN\nguyet (nguyet)

SQL Server administrators have unrestricted access to the Database Engine.

Add Current User Add... Remove

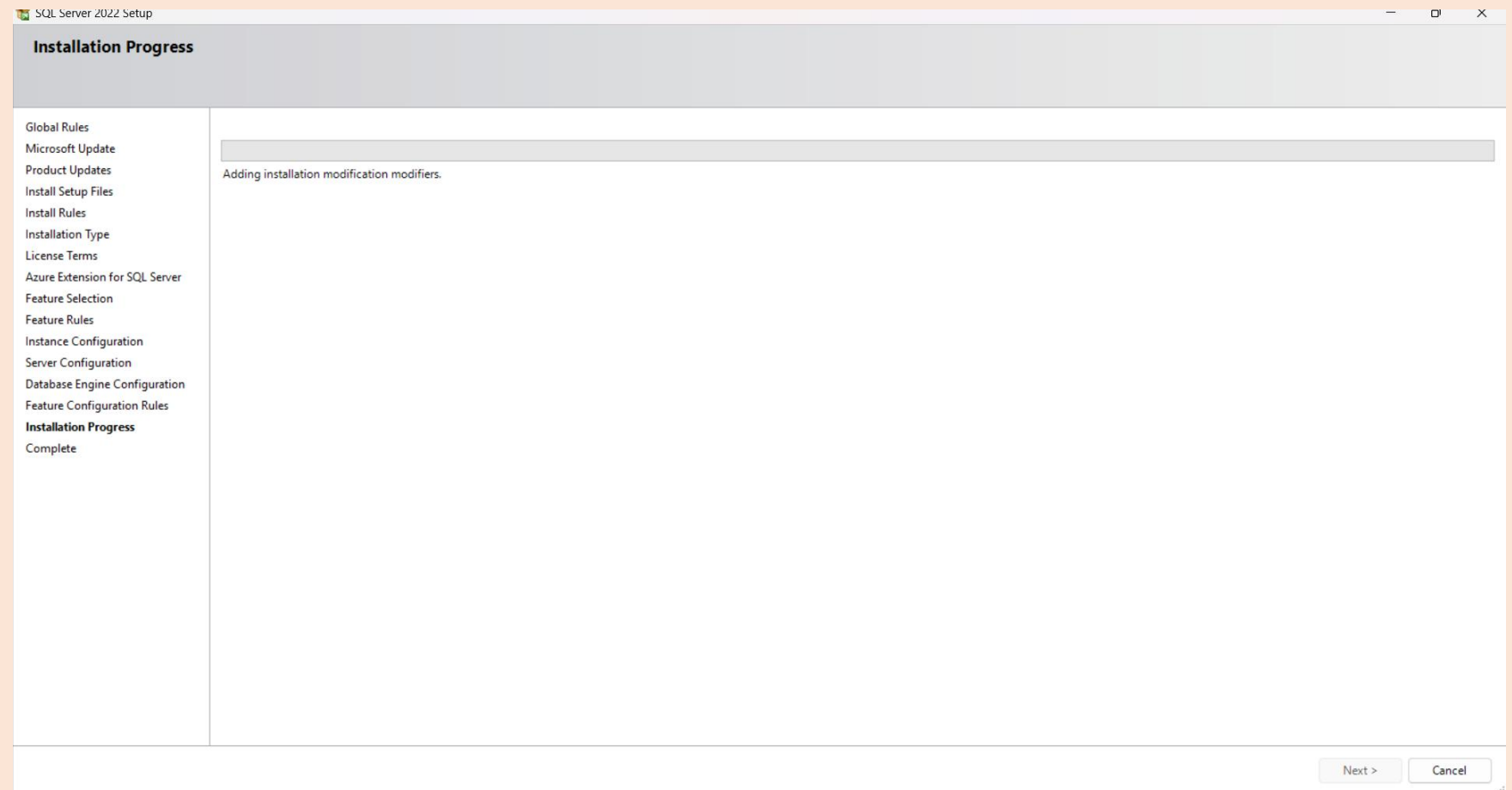
< Back Next > Cancel

Đây là màn hình Installation Progress trong quá trình cài đặt SQL Server 2022.

Trạng thái:

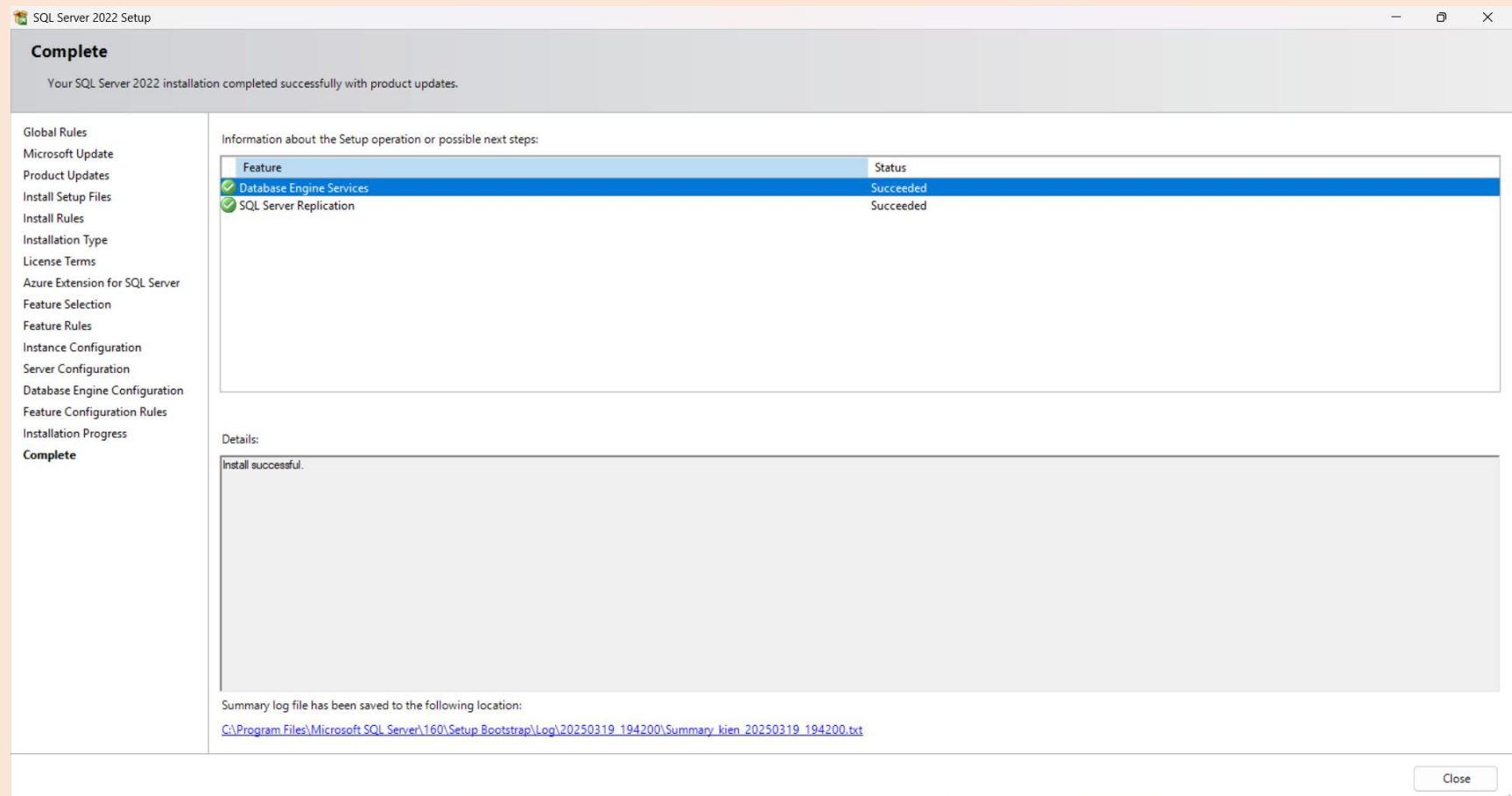
Hệ thống đang tiến hành cài đặt SQL Server.

Thanh tiến trình hiển thị "Adding installation modification modifiers", cho thấy SQL Server đang thiết lập các thành phần cần thiết.



Bạn đã cài đặt SQL Server 2022 thành công với các thành phần sau:

- ✓ Database Engine Services
- ✓ SQL Server Replication



Bạn đang kết nối với SQL Server bằng Windows Authentication với Server Name là KIEN.

Connect to Server

SQL Server

Login | Connection Properties | Always Encrypted | Additional Connection Parameters

Server

Server type: Database Engine

Server name: KIEN

Authentication: Windows Authentication

User name: KIEN\nguye

Password:

☐ Remember password

Connection Security

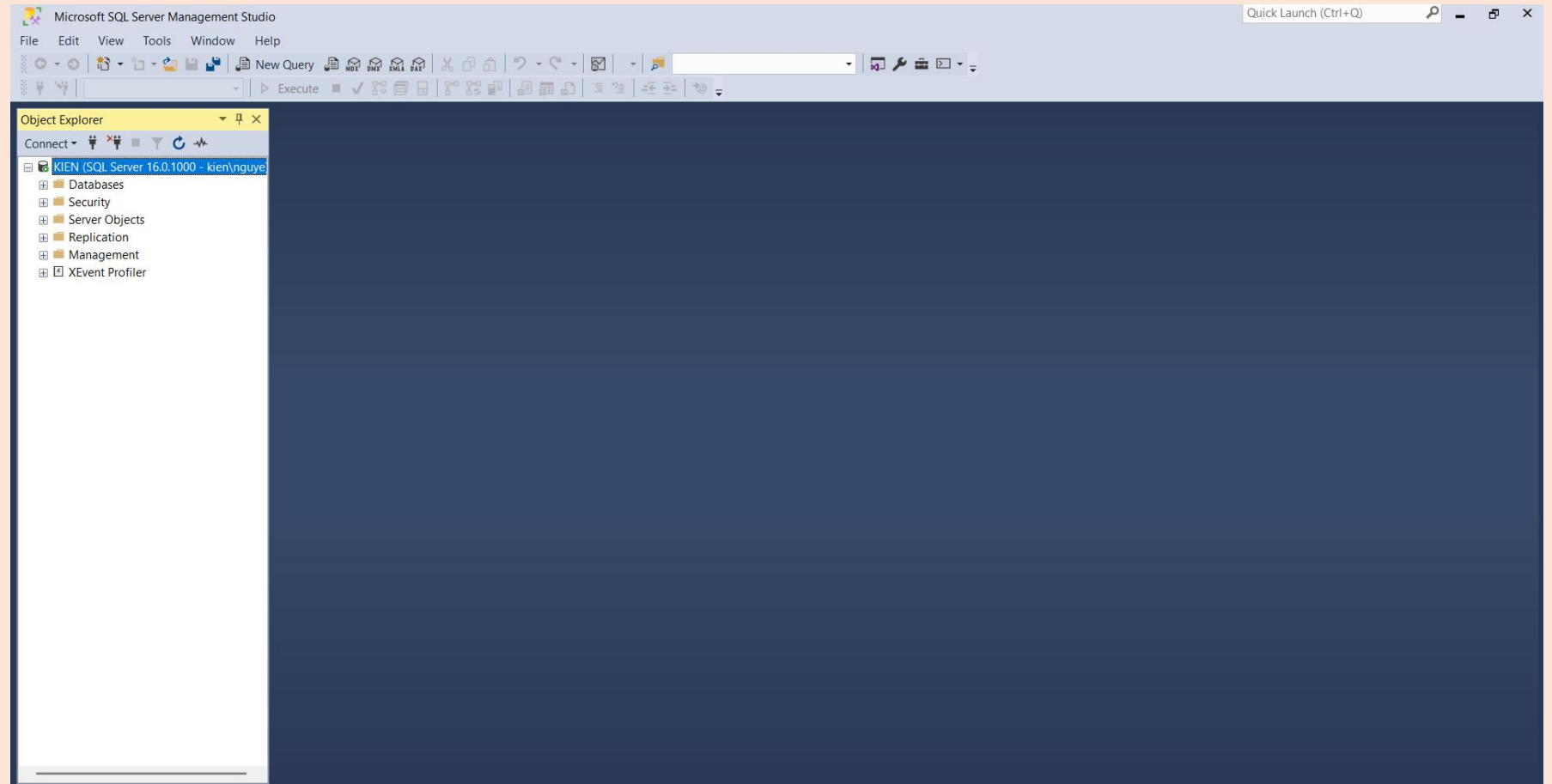
Encryption: Mandatory

☐ Trust server certificate

Host name in certificate:

Connect Cancel Help Options <<

Bạn đã kết nối thành công với SQL Server 2022 trên SQL Server Management Studio



Bạn đang kết nối với SQL Server bằng SQL Server Authentication với tài khoản sa.

Connect to Server

SQL Server

Login Connection Properties Always Encrypted Additional Connection Parameters

Server

Server type: Database Engine

Server name: KIEN

Authentication: SQL Server Authentication

Login: sa

Password: ***

☒ Remember password

Connection Security

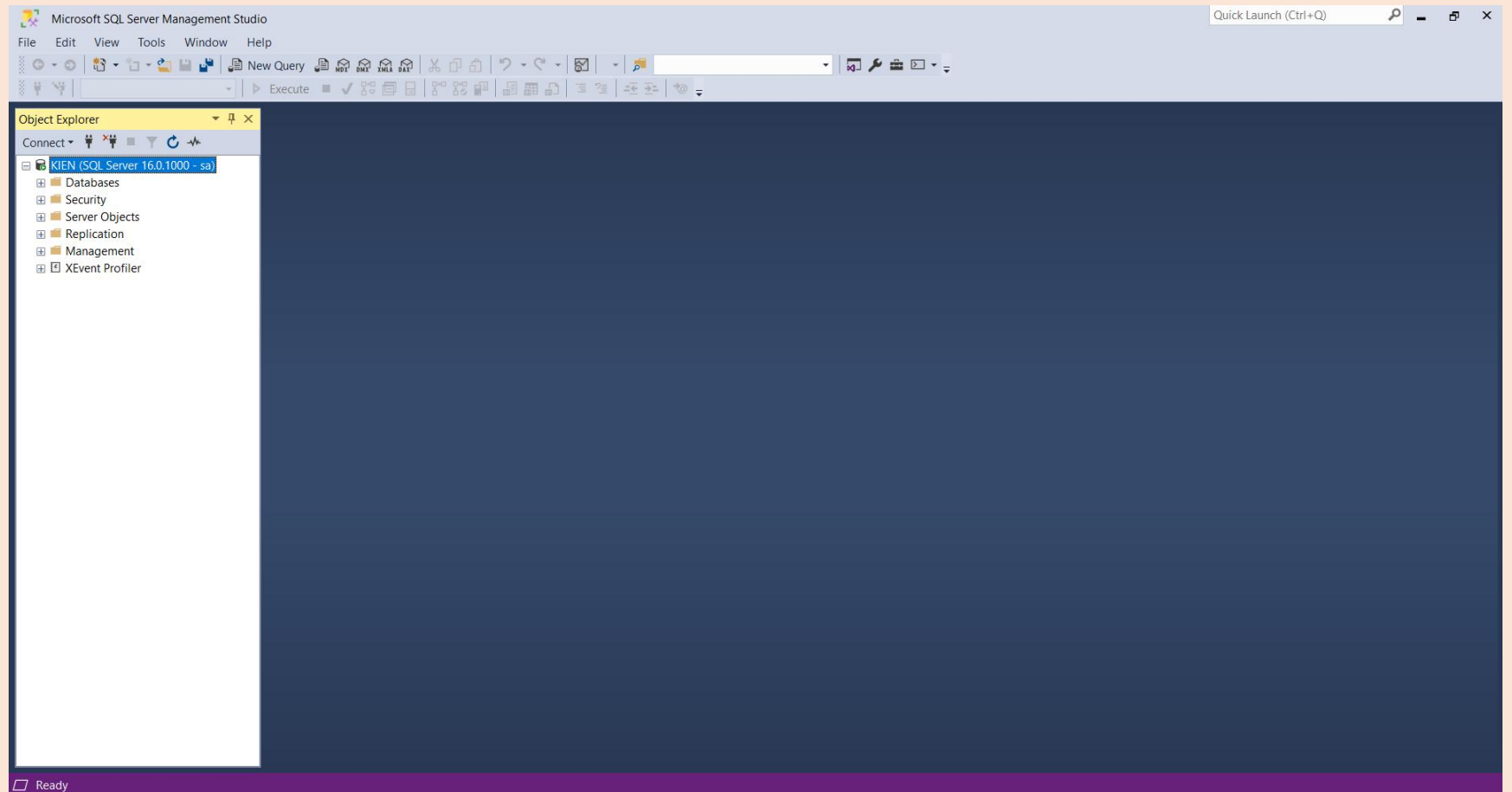
Encryption: Mandatory

☒ Trust server certificate

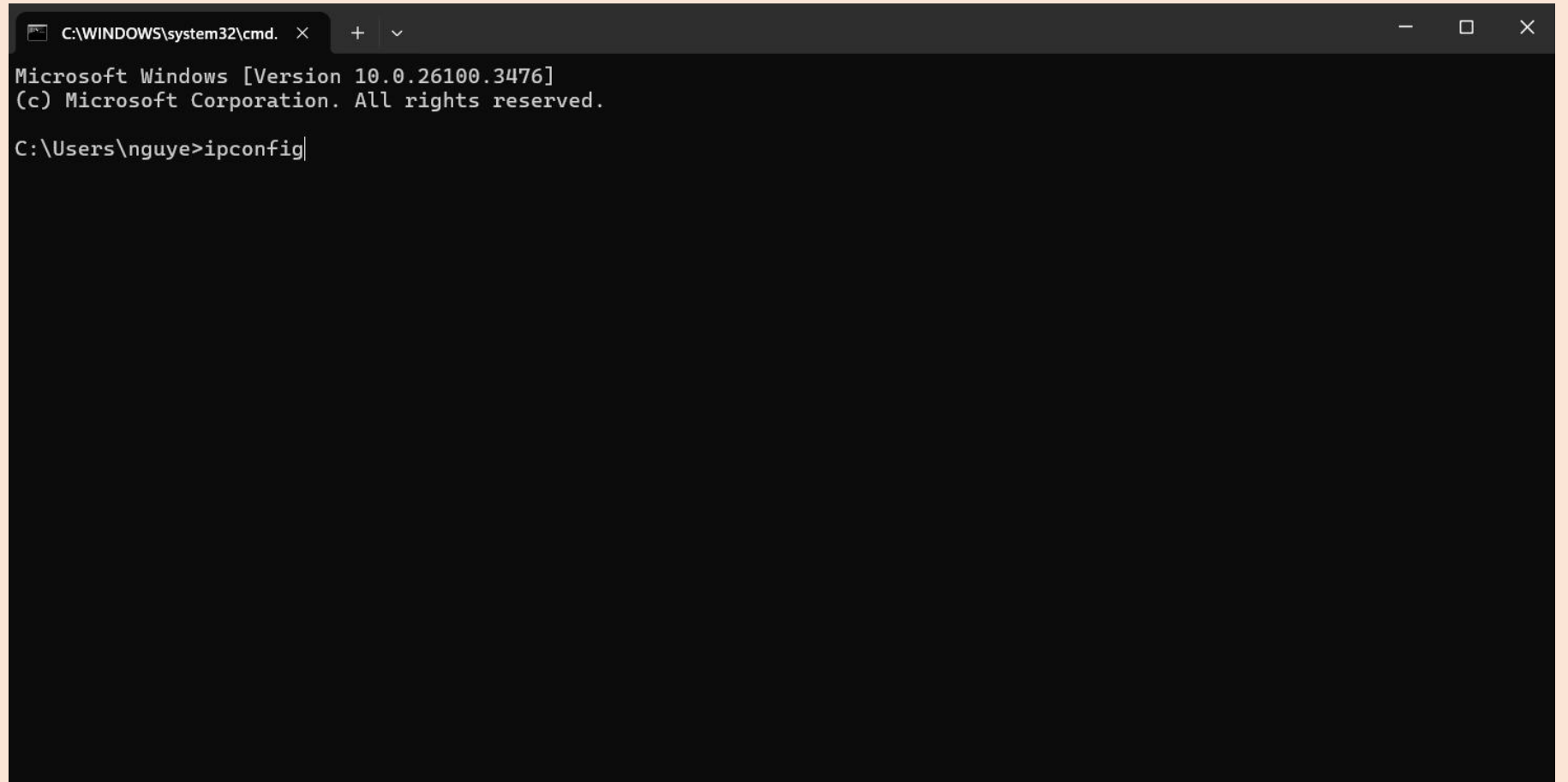
Host name in certificate:

Connect Cancel Help Options <<

Bạn đã kết nối thành công với SQL Server bằng tài khoản sa



kiểm tra địa chỉ IP bằng lệnh ipconfig. để lấy địa chỉ IP để cấu hình truy cập SQL Server từ xa

A screenshot of a Windows Command Prompt window. The title bar shows the path 'C:\WINDOWS\system32\cmd.' and standard window controls. The command prompt displays the Windows version '10.0.26100.3476' and copyright information. The user has entered the command 'ipconfig' at the prompt 'C:\Users\nguye>'.

```
C:\WINDOWS\system32\cmd.
Microsoft Windows [Version 10.0.26100.3476]
(c) Microsoft Corporation. All rights reserved.

C:\Users\nguye>ipconfig
```

Bạn đã lấy được địa chỉ IP của máy là 192.168.10.106

```
C:\WINDOWS\system32\cmd. x + v

Wireless LAN adapter Wi-Fi:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 1:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Ethernet adapter Ethernet:

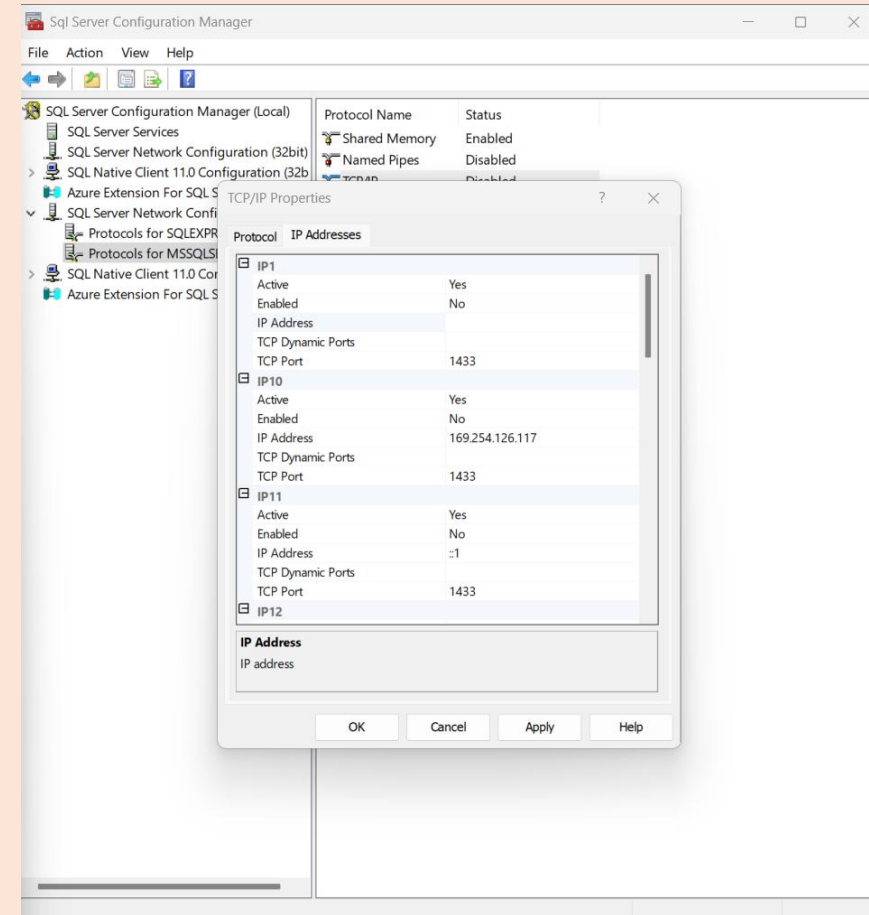
    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::2849:ca3c:4e0c:8930%16
    IPv4 Address. . . . . : 192.168.10.106
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.10.1

Ethernet adapter Bluetooth Network Connection:

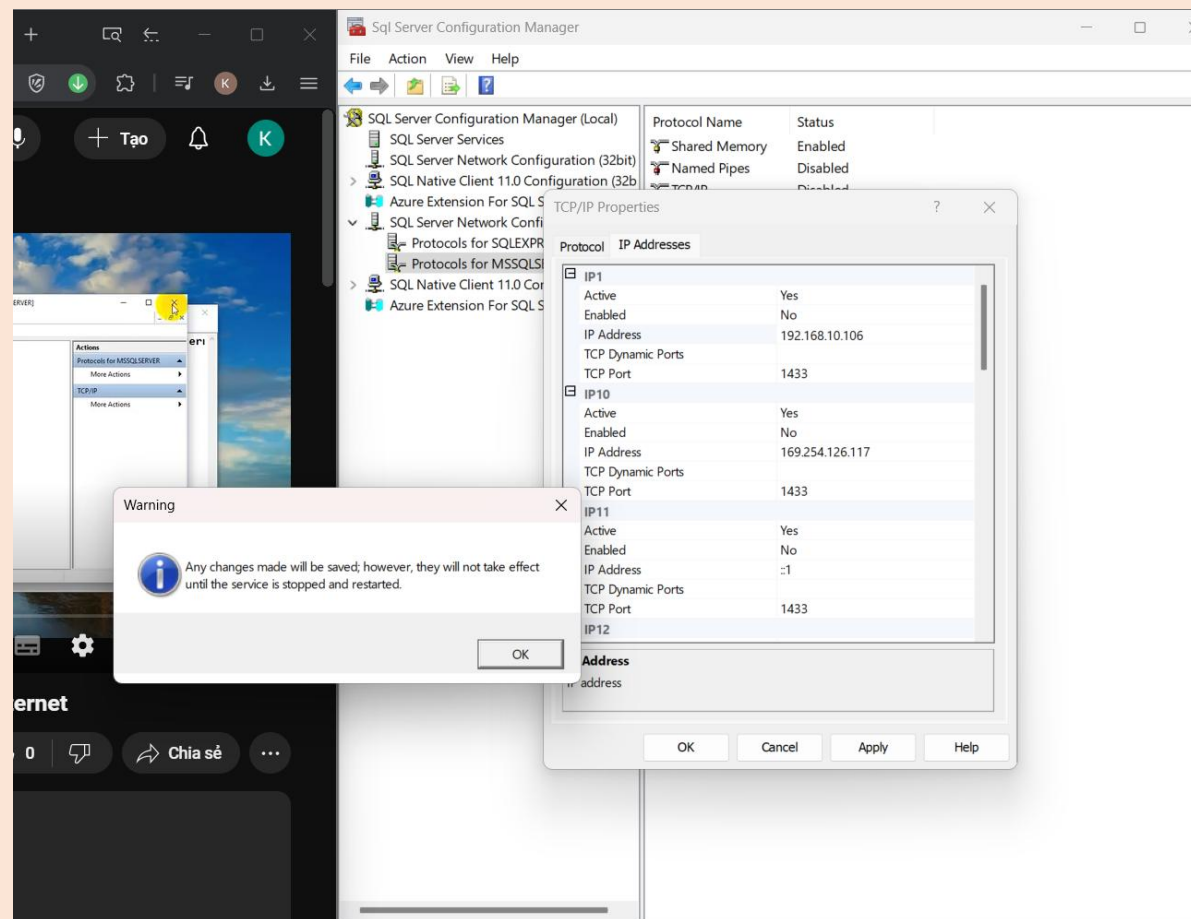
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

C:\Users\nguye>
```

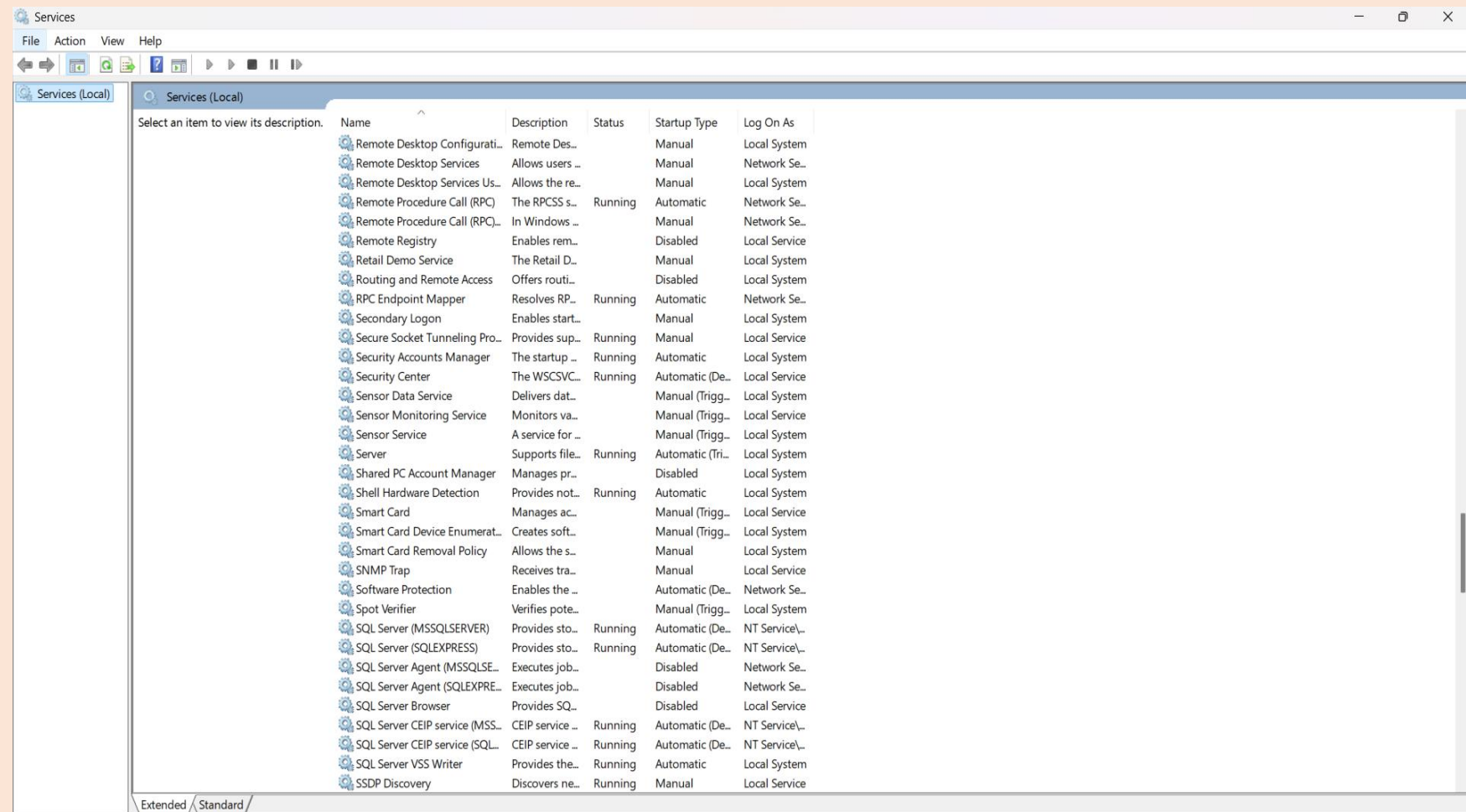
cài đặt ip máy tính vào sql sever



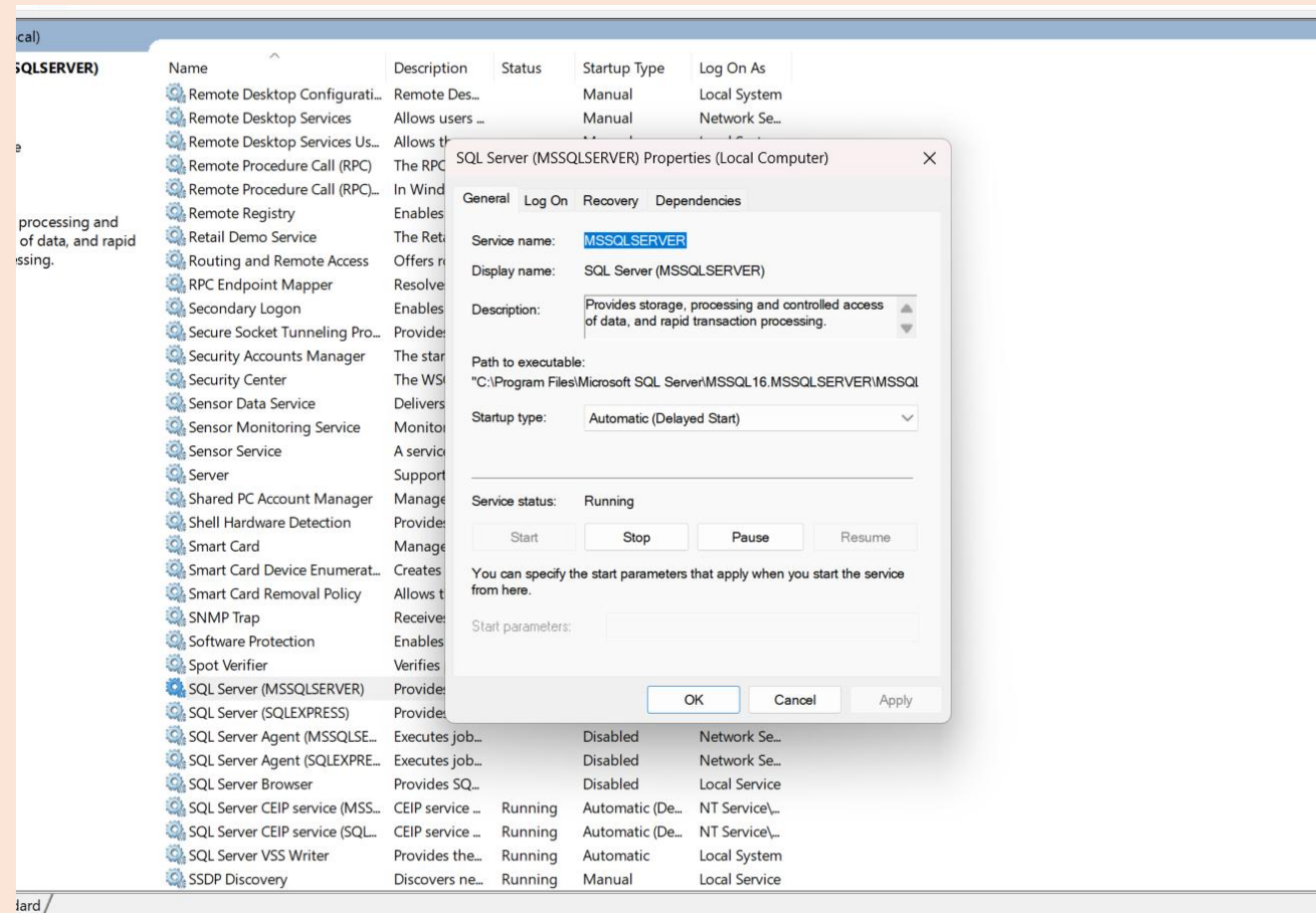
cài đặt thành công



khởi động lại sql sever



khởi động thành công



cấu hình cổng port

New Inbound Rule Wizard

Rule Type

Select the type of firewall rule to create.

Steps:

- Rule Type
- Program
- Action
- Profile
- Name

What type of rule would you like to create?

☒ **Program**
Rule that controls connections for a program.

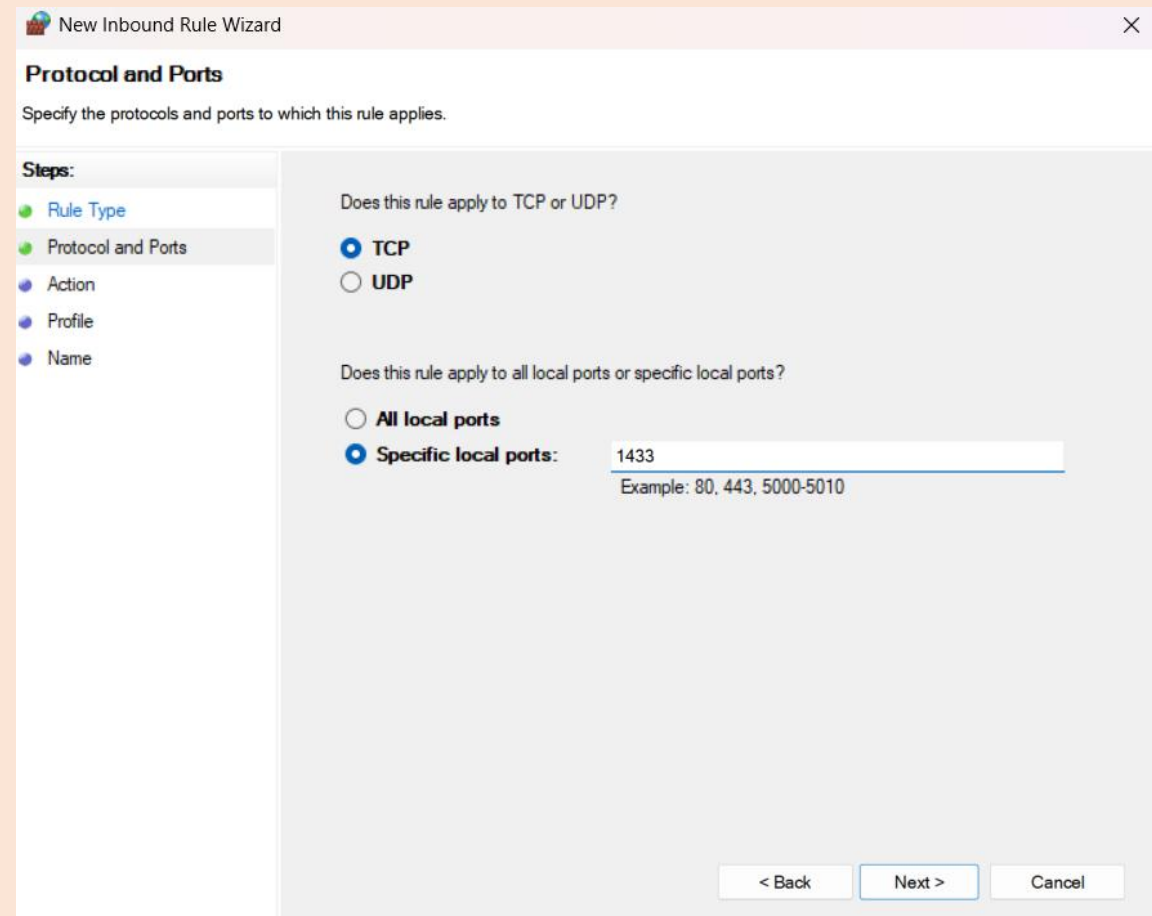
☐ **Port**
Rule that controls connections for a TCP or UDP port.

☐ **Predefined:**
AllJoyn Router
Rule that controls connections for a Windows experience.

☐ **Custom**
Custom rule.

< Back Next > Cancel

đặt port TCP 1433



The image shows a Windows Firewall 'New Inbound Rule Wizard' window, specifically the 'Protocol and Ports' step. The window has a title bar with a close button. On the left, a 'Steps' pane lists five steps: 'Rule Type' (completed), 'Protocol and Ports' (current step), 'Action', 'Profile', and 'Name'. The main area is titled 'Protocol and Ports' and contains the instruction 'Specify the protocols and ports to which this rule applies.' It features two radio button options: 'TCP' (selected) and 'UDP'. Below these, another set of radio buttons asks 'Does this rule apply to all local ports or specific local ports?'. The 'Specific local ports' option is selected, and a text box next to it contains '1433'. An example text 'Example: 80, 443, 5000-5010' is shown below the text box. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

New Inbound Rule Wizard

Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

Does this rule apply to TCP or UDP?

☒ TCP

☐ UDP

Does this rule apply to all local ports or specific local ports?

☐ All local ports

☒ Specific local ports:

Example: 80, 443, 5000-5010

< Back Next > Cancel

đặt tên

New Inbound Rule Wizard

Name

Specify the name and description of this rule.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

Name:
Mo port sqlveve|

Description (optional):

< Back Finish Cancel

cài đặt router

Máy chủ ảo

<input type="checkbox"/>	Cổng dịch vụ	Địa chỉ IP	Cổng nội bộ	Giao thức	Trạng thái	Chỉnh sửa
<input type="checkbox"/>	1433	192.168.10.102	1433	TCP hoặc UDP	Bật	Chỉnh sửa

Thêm mới

Cho phép chọn

vô hiệu hóa các mục đã chọn

Xóa mục đã chọn

Làm mới

kiểm tra cổng 1433 nhưng không nhận được

Error: I could **not** see your service on **42.112.175.203** on port (**1433**)

Reason: Connection refused

Your IP:

42.112.175.203

Port to Check:

1433

Check Port

Common Ports

FTP	21
SSH	22
Telnet	23
SMTP	25
DNS	53
HTTP	80
POP3	110
IMAP	143

Other Applications

Minecraft	25565
Remote Desktop	3389
PC Anywhere	5631

cài ios thành công bằng link <https://www.microsoft.com/en-us/evalcenter/download-sql-server-2022>

