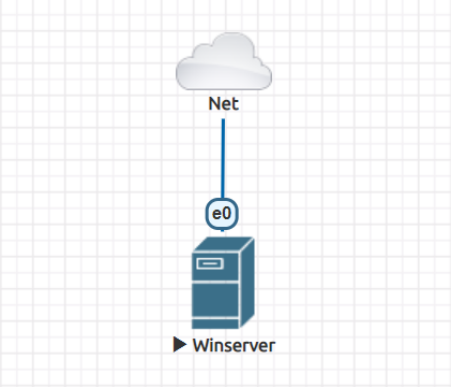
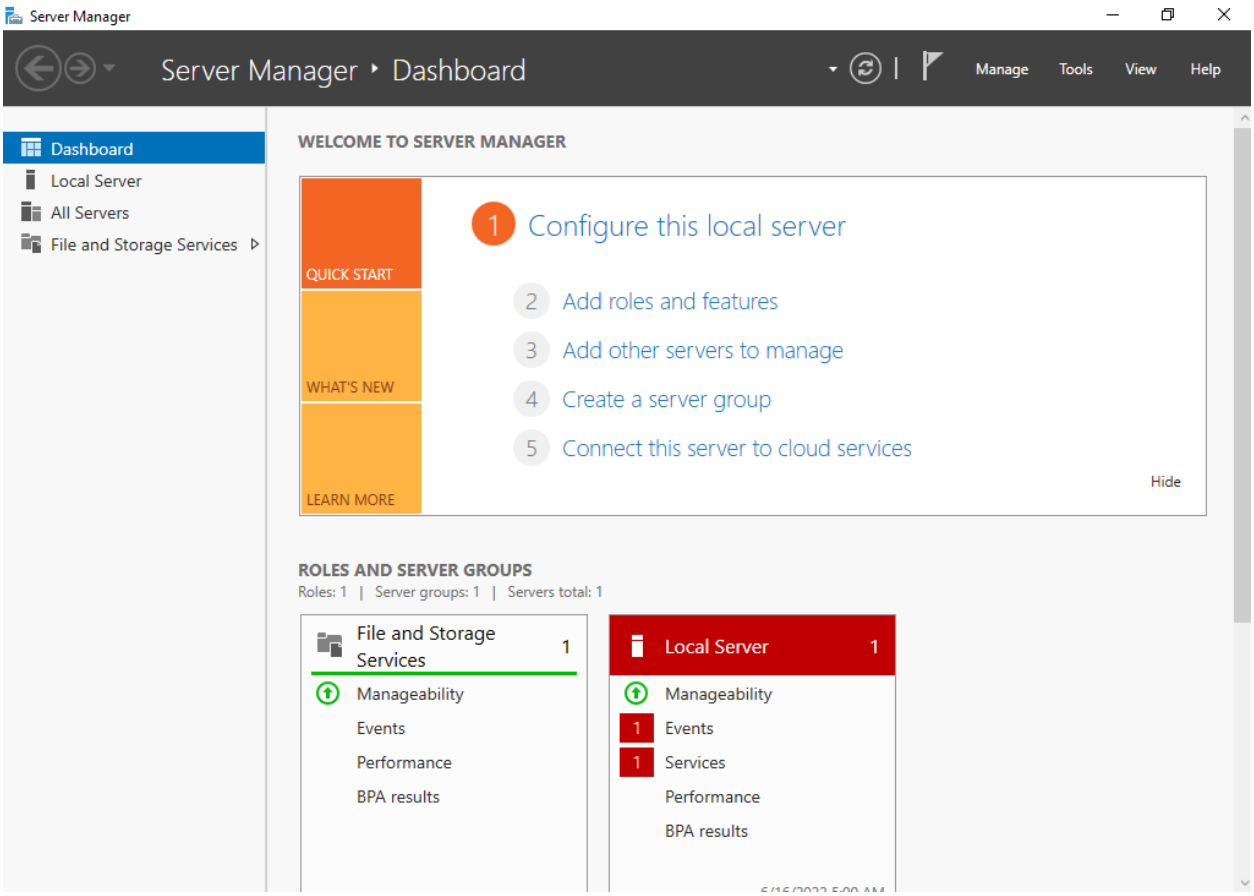
Lab: Hướng dẫn cài đặt FTP phục vụ cho bài REST API Cisco ISE

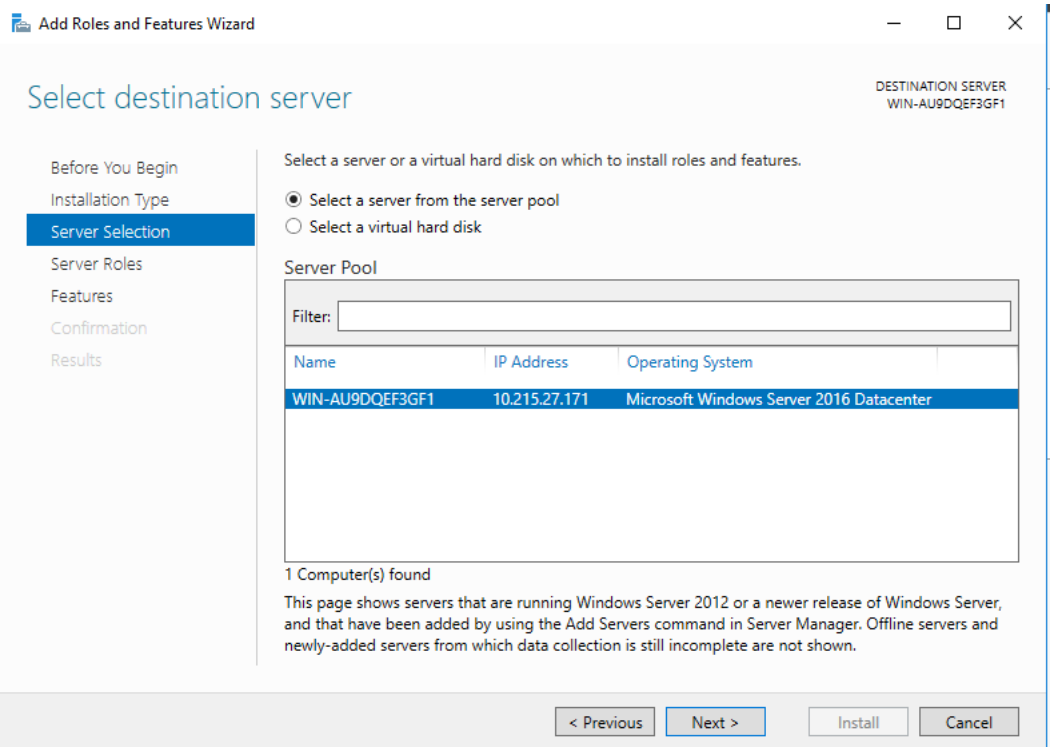
- Đầu tiên ta dựng một máy ảo Window Server 2016



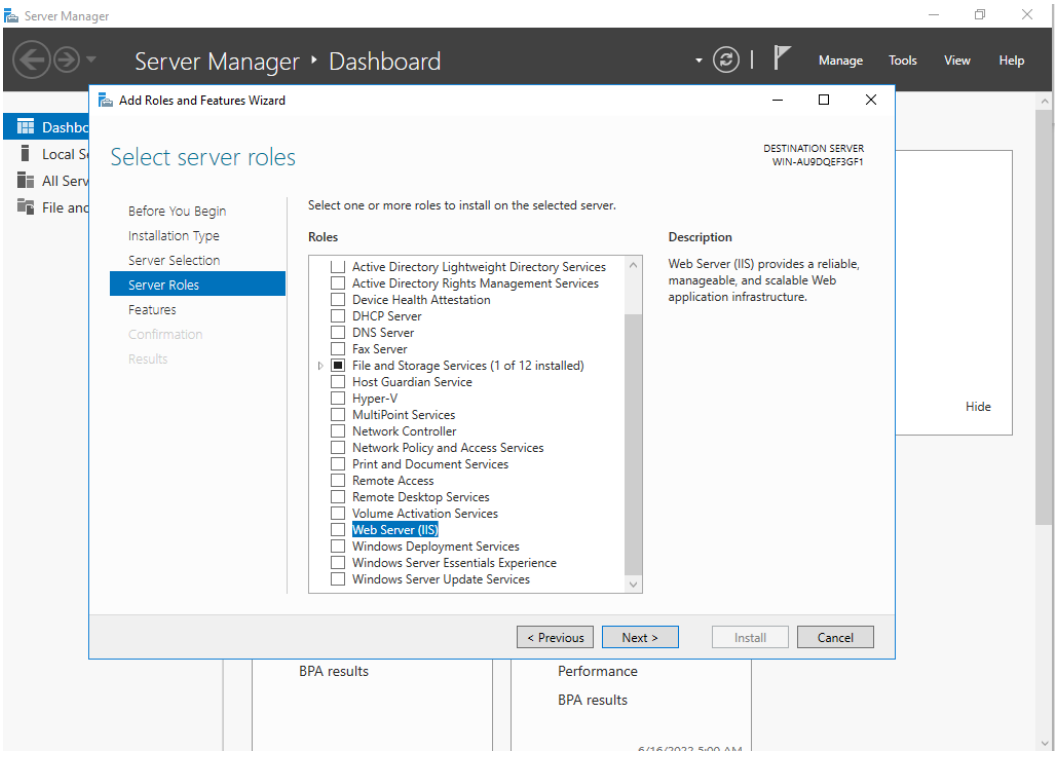
- Bước tiếp theo: Add roles and features



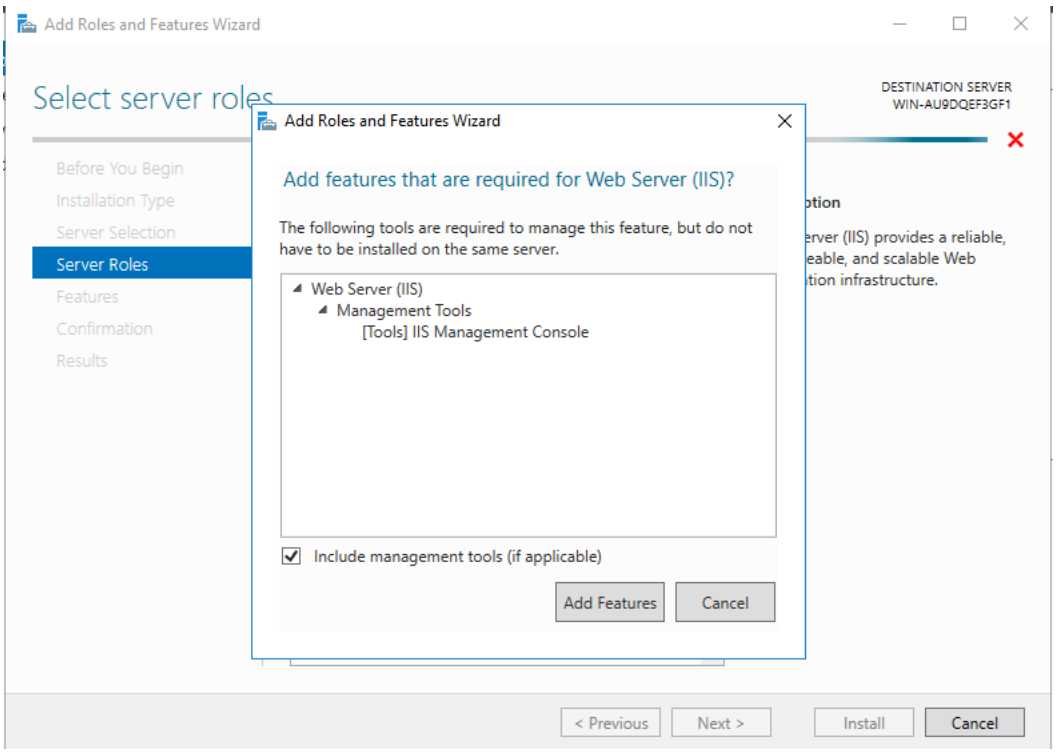
- Chọn next liên tục



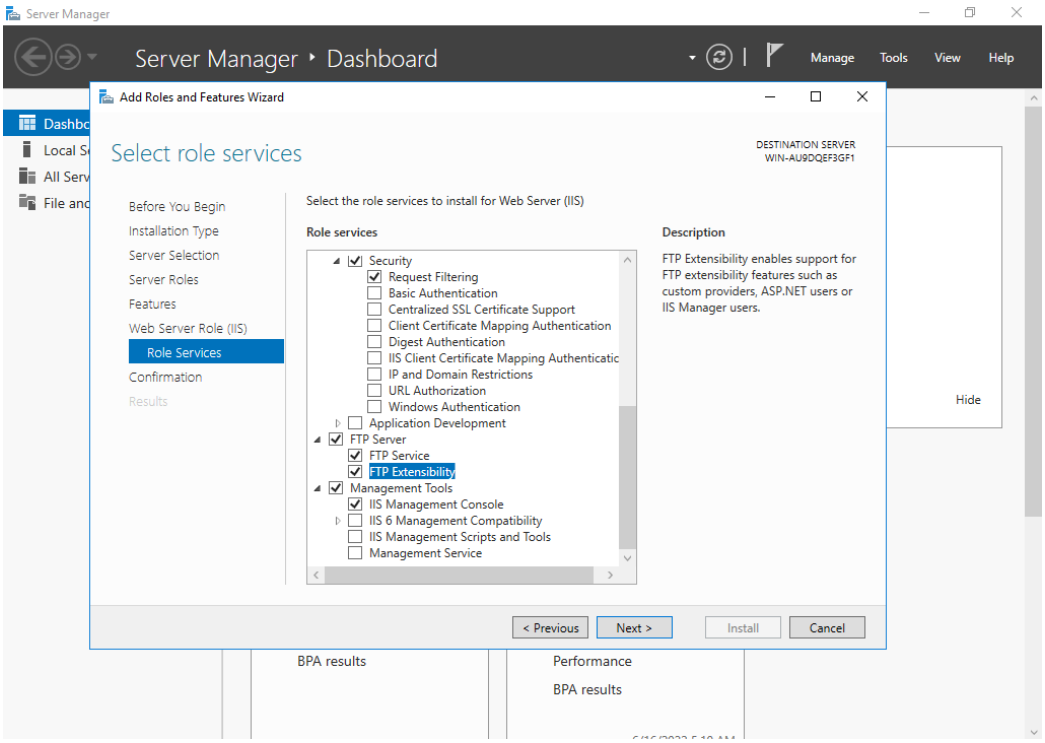
→ Nhớ địa chỉ ip lúc này sau đó chọn next



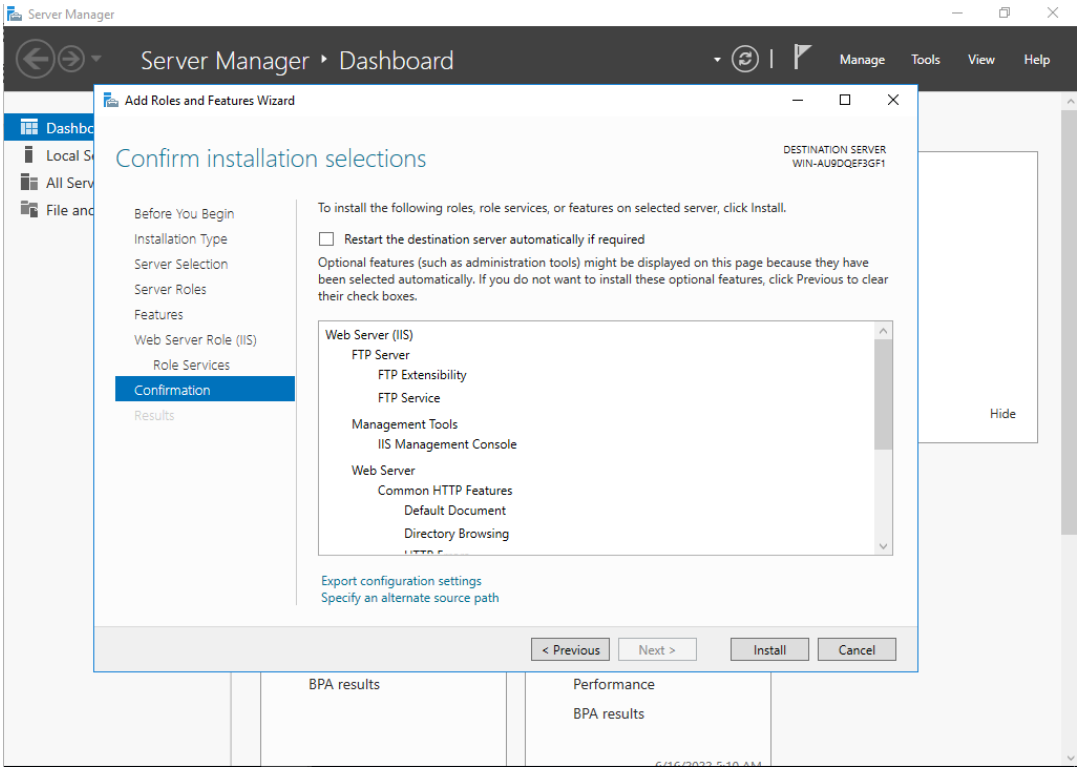
- Chọn Add Features

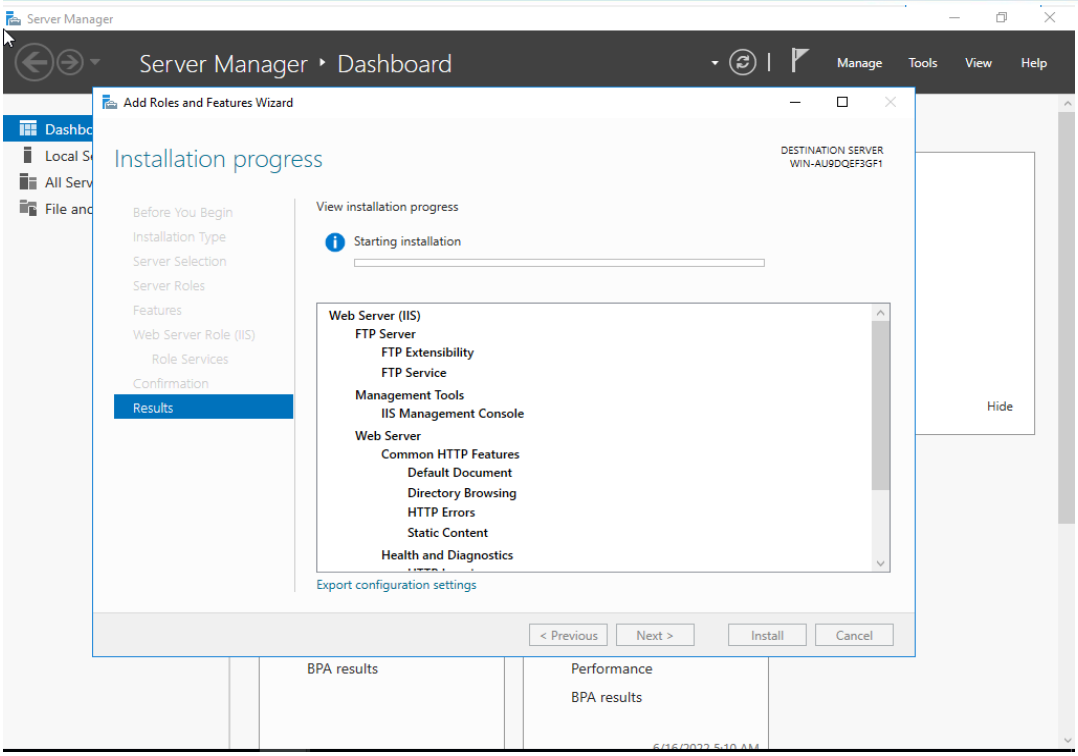


- Chọn next cho đến Role Services chọn hết FTP Server

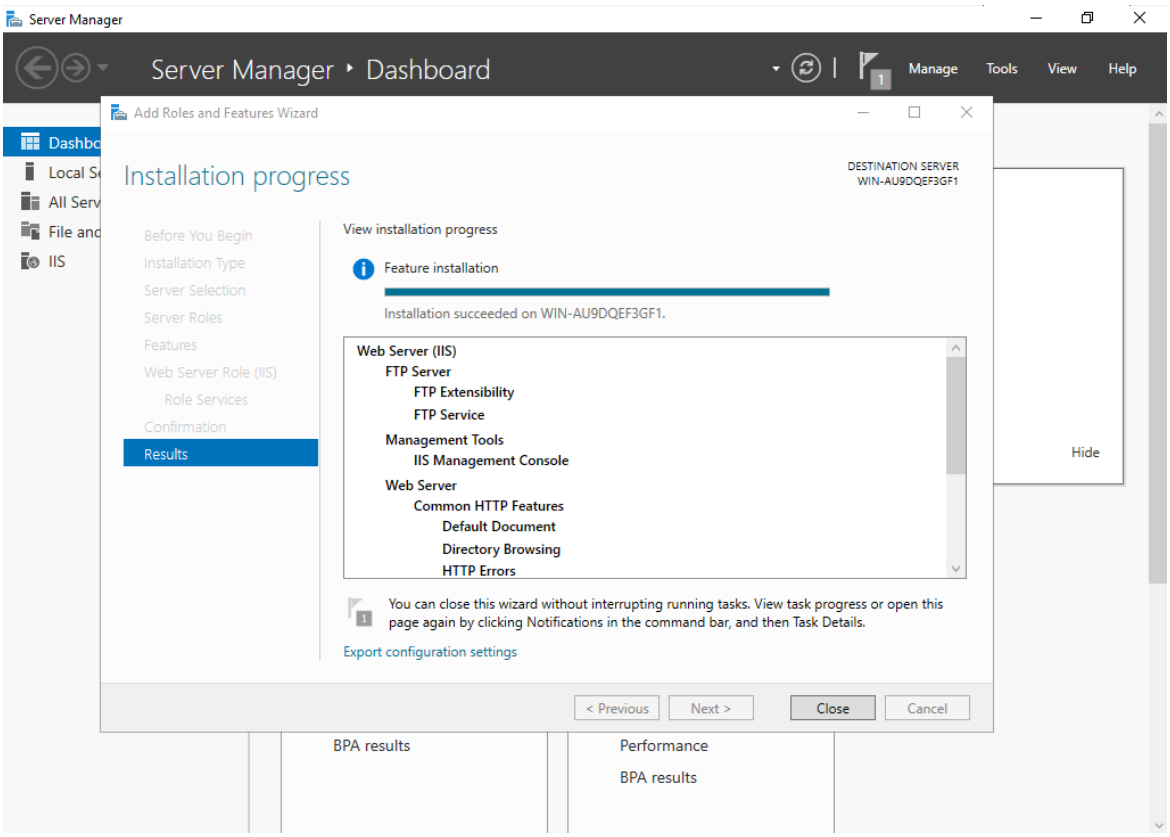


- Sau đó chọn Install

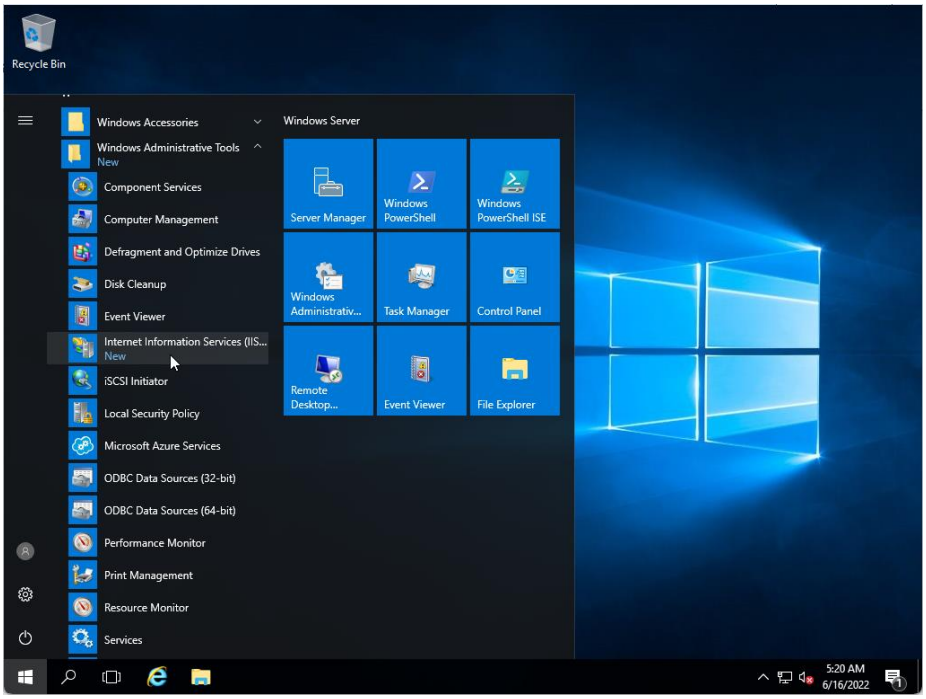



Server Manager
Server Manager • Dashboard
Manage
Tools
View
Help
Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
WIN-AU9DQEF3GF1
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
View installation progress
Starting installation
Web Server (IIS)
FTP Server
FTP Extensibility
FTP Service
Management Tools
IIS Management Console
Web Server
Common HTTP Features
Default Document
Directory Browsing
HTTP Errors
Static Content
Health and Diagnostics
Export configuration settings
< Previous
Next >
Install
Cancel
Hide
BPA results
Performance
BPA results

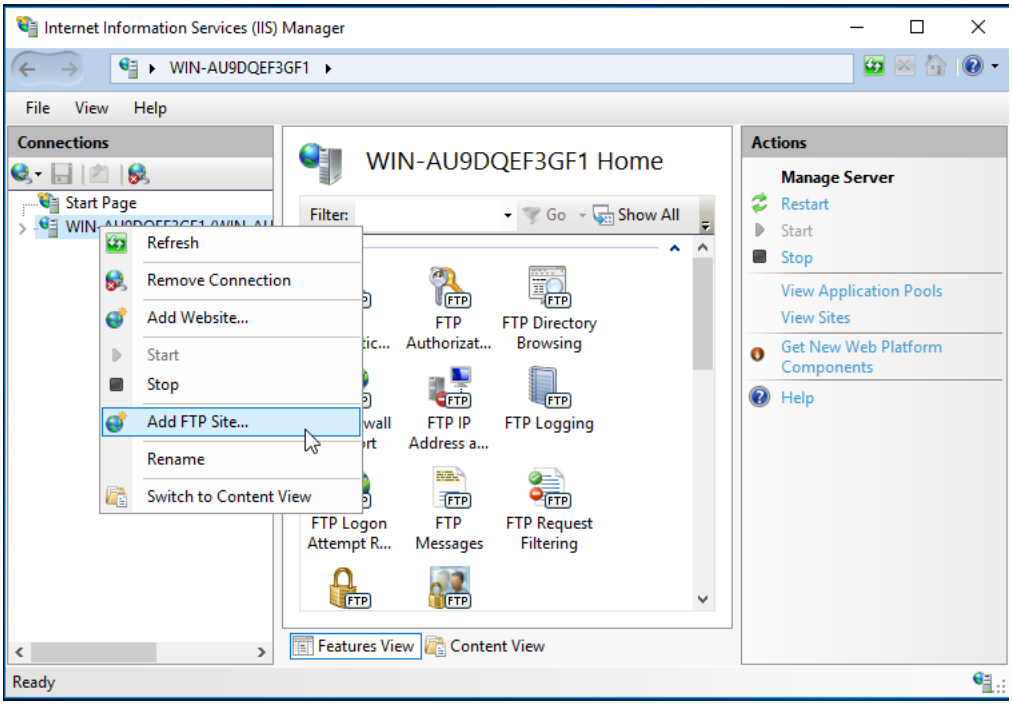
- Chọn Close


Server Manager
Server Manager • Dashboard
Manage
Tools
View
Help
Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
WIN-AU9DQEF3GF1
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
View installation progress
Feature installation
Installation succeeded on WIN-AU9DQEF3GF1.
Web Server (IIS)
FTP Server
FTP Extensibility
FTP Service
Management Tools
IIS Management Console
Web Server
Common HTTP Features
Default Document
Directory Browsing
HTTP Errors
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
Export configuration settings
< Previous
Next >
Close
Cancel
Hide
BPA results
Performance
BPA results

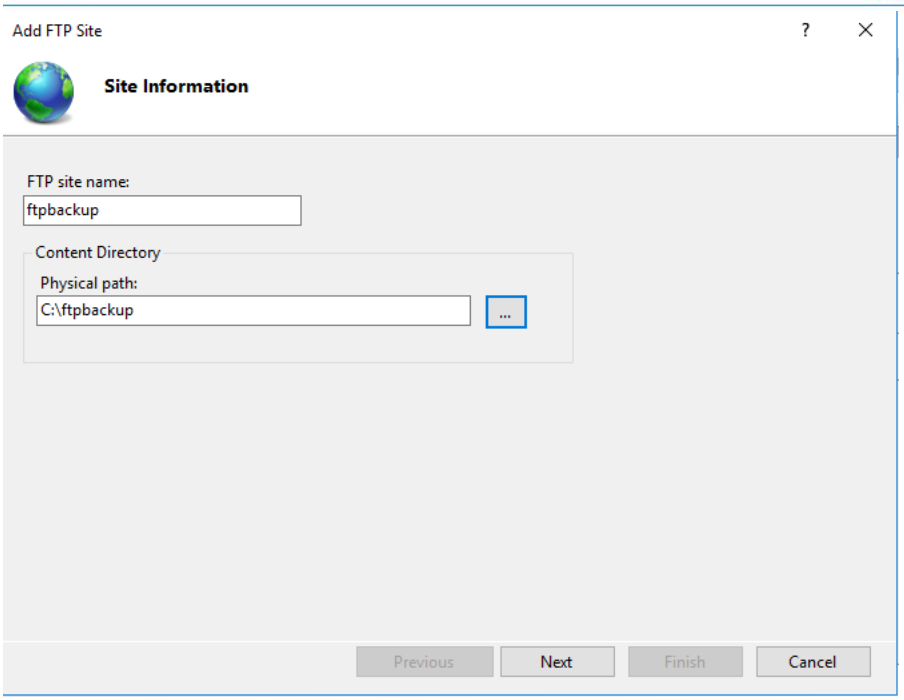
- Bước tiếp Cấu hình IIS, đầu tiên mở IIS



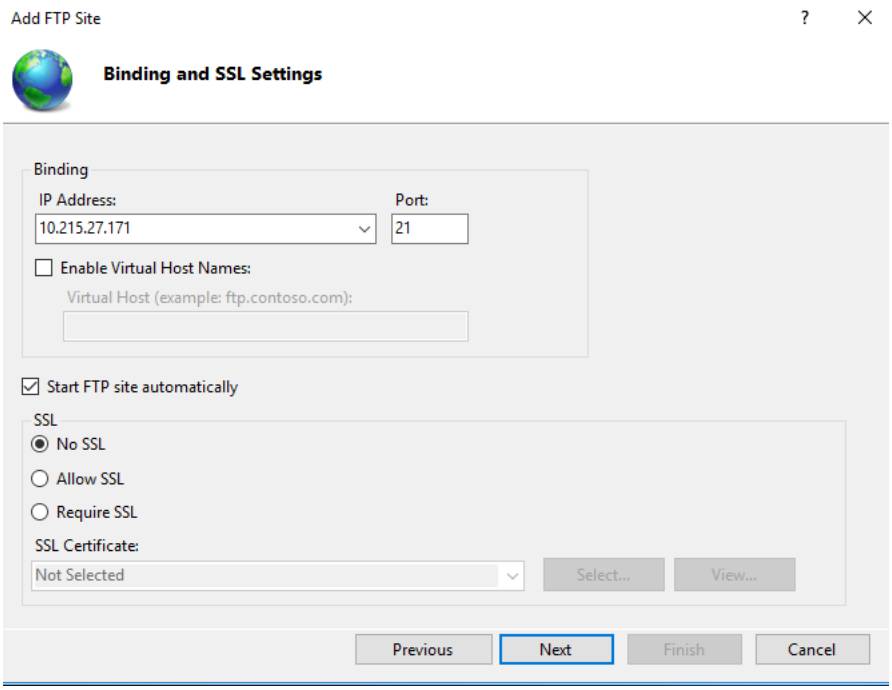
- Right click vào máy Server chọn Add FTP Site



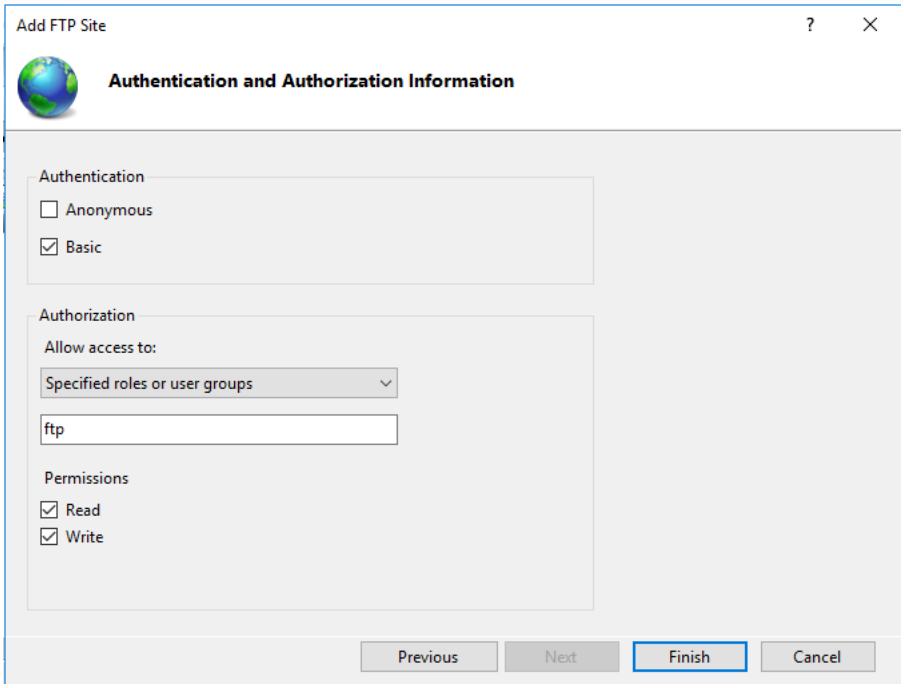
Đặt tên thư mục và đường dẫn đến thư mục, chọn next



- Địa chỉ IP ở đầu, chọn No SSL, next

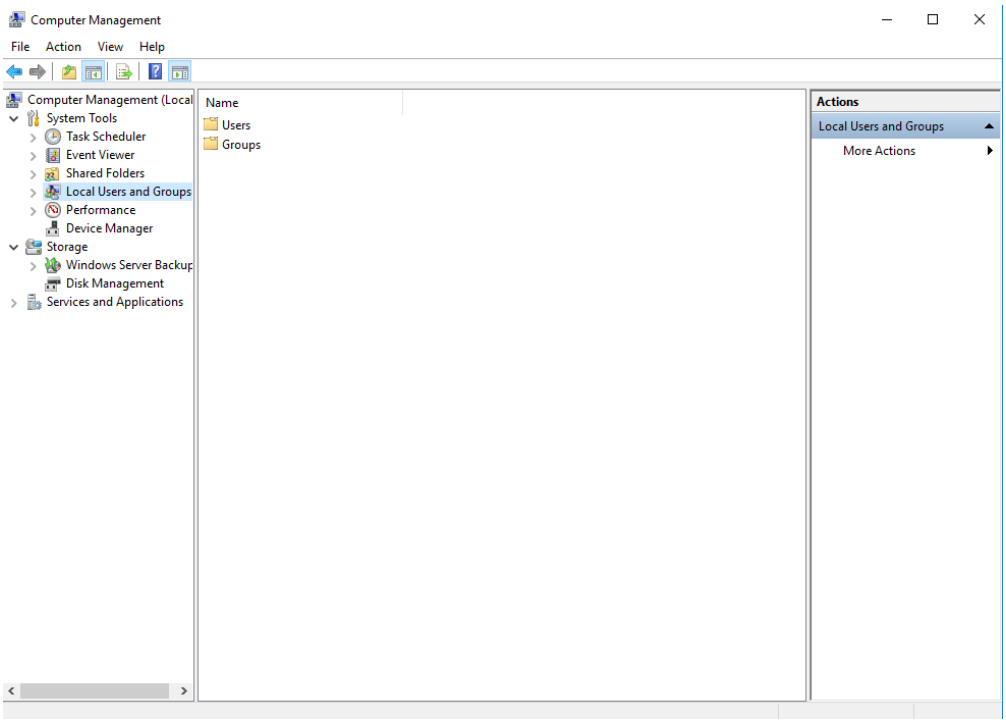


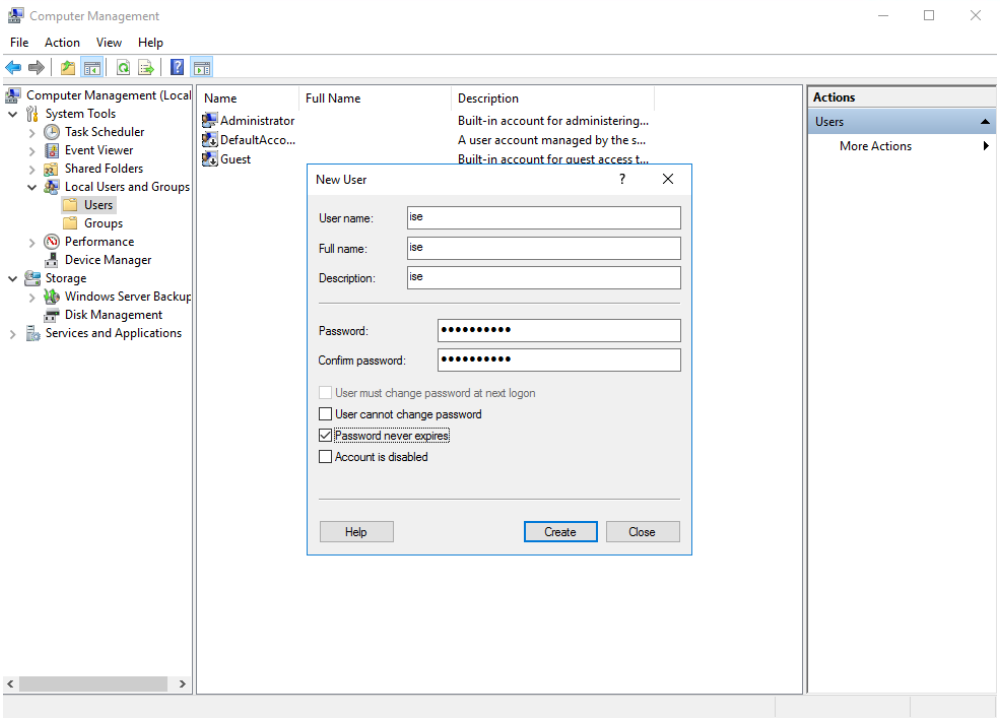
- Chọn Basic, drop dow chọn Specified roles or user groups, nhập tên group (lưu ý nhập trước tạo sao, lúc tạo phải giống với lúc nhập), chọn Read và Write

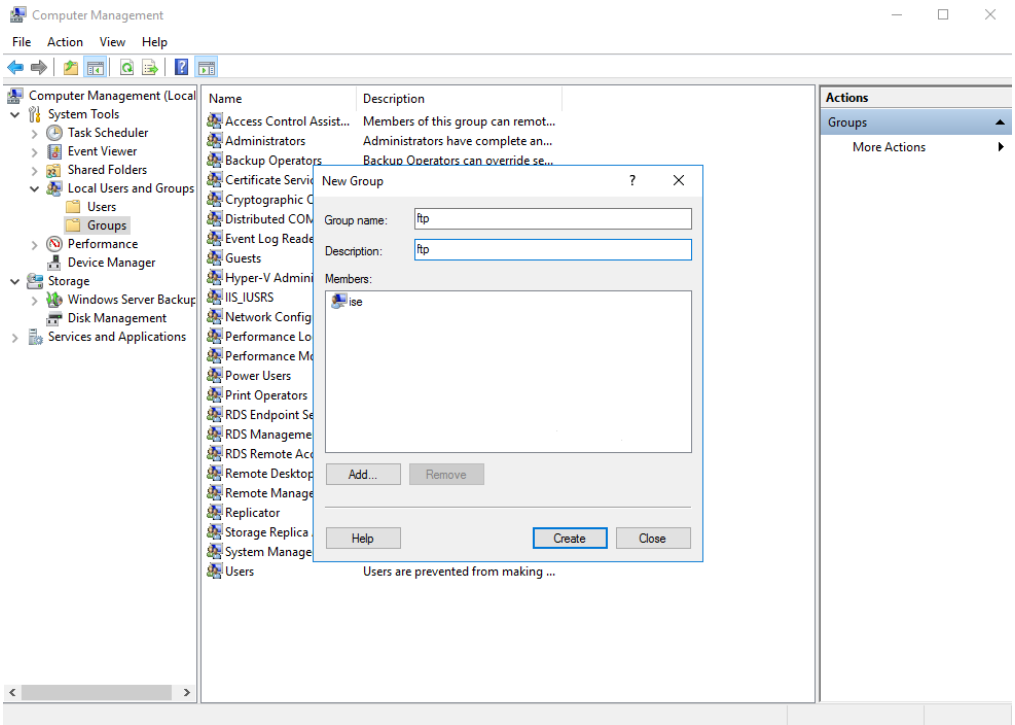


- Thêm user và group

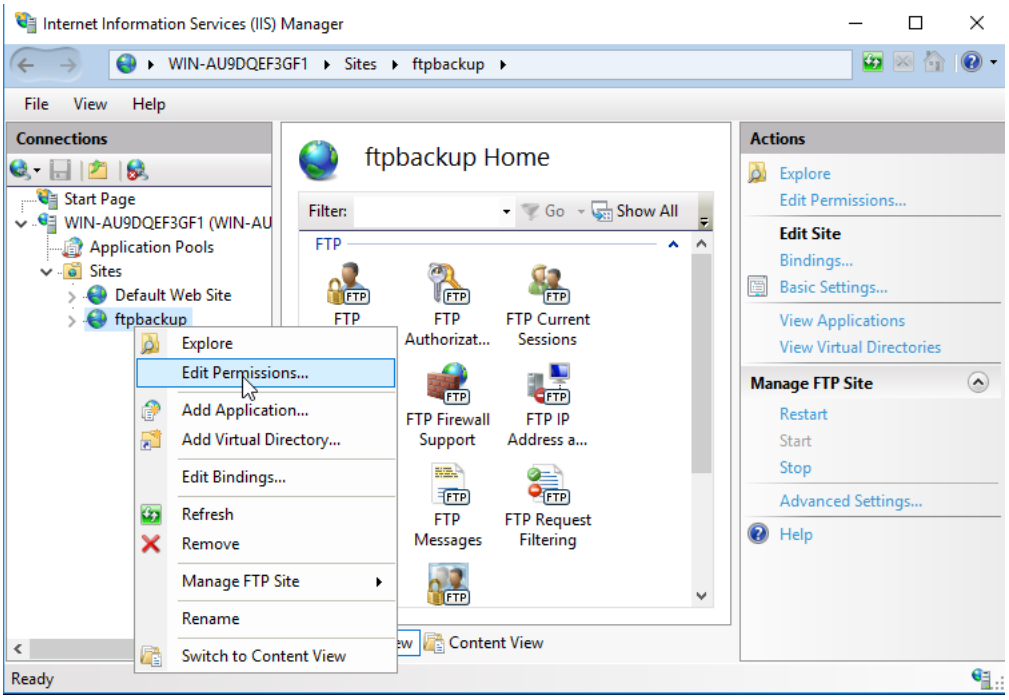
{ username: “ise”, password: “C1sco12345” }



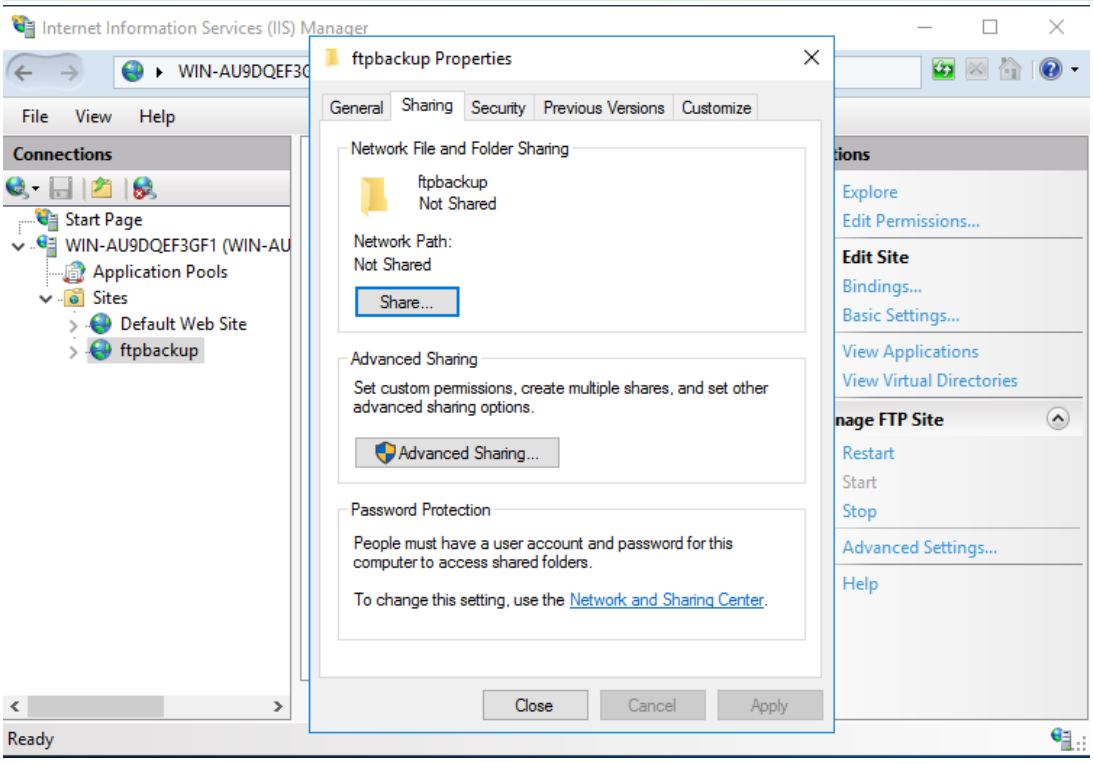

Computer Management
File Action View Help
Computer Management (Local
System Tools
Task Scheduler
Event Viewer
Shared Folders
Local Users and Groups
Users
Groups
Performance
Device Manager
Storage
Windows Server Backup
Disk Management
Services and Applications
Name
Full Name
Description
Administrator
Built-in account for administering...
DefaultAcco...
A user account managed by the s...
Guest
Built-in account for guest access t...
New User
User name: ise
Full name: ise
Description: ise
Password:
Confirm password:
User must change password at next logon
User cannot change password
Password never expires
Account is disabled
Help
Create
Close
Actions
Users
More Actions

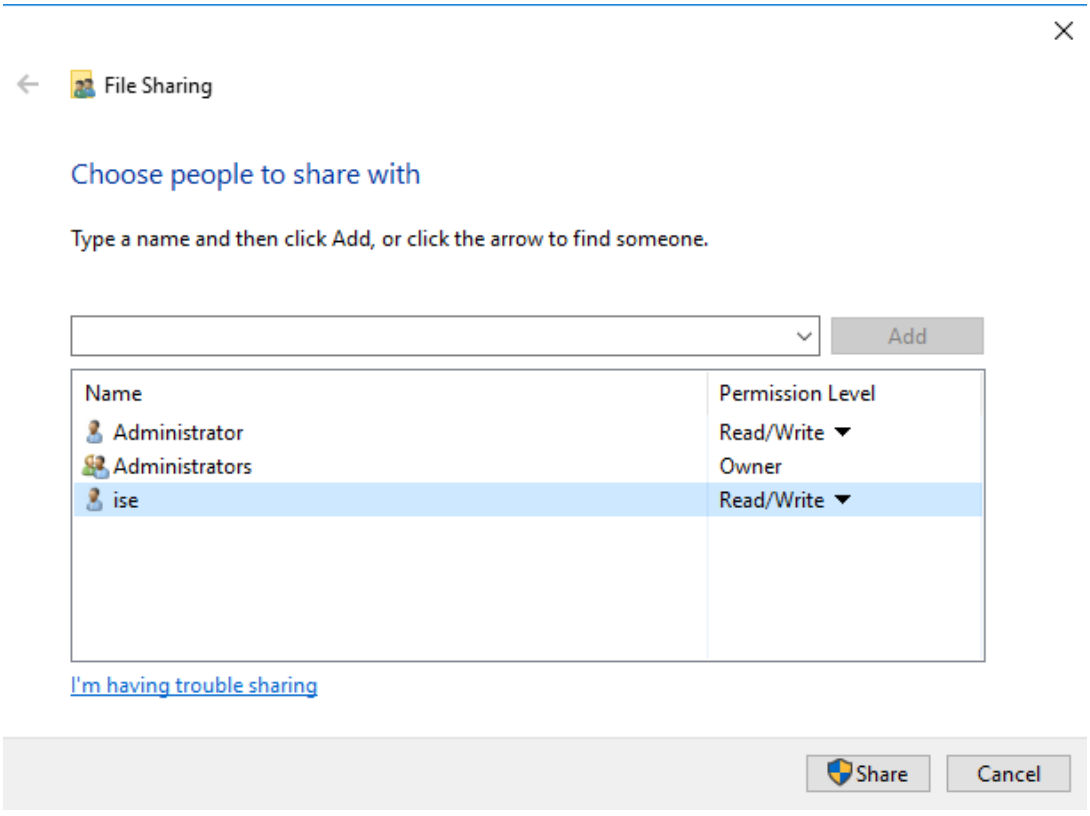

Computer Management
File Action View Help
Computer Management (Local
System Tools
Task Scheduler
Event Viewer
Shared Folders
Local Users and Groups
Users
Groups
Performance
Device Manager
Storage
Windows Server Backup
Disk Management
Services and Applications
Name
Description
Access Control Assist...
Members of this group can remot...
Administrators
Administrators have complete an...
Backup Operators
Backup Operators can override se...
Guests
Hyper-V Admini
IIS_IUSRS
Network Config
Performance Lo
Performance Mo
Power Users
Print Operators
RDS Endpoint Se
RDS Manageme
RDS Remote Acc
Remote Desktop
Remote Manage
Replicator
Storage Replica
System Manage
Users
Users are prevented from making ...
New Group
Group name: ftp
Description: ftp
Members:
ise
Add...
Remove
Help
Create
Close
Actions
Groups
More Actions

- Tiếp tục với IIS, Right click vào FTP site vừa Add chọn Edit

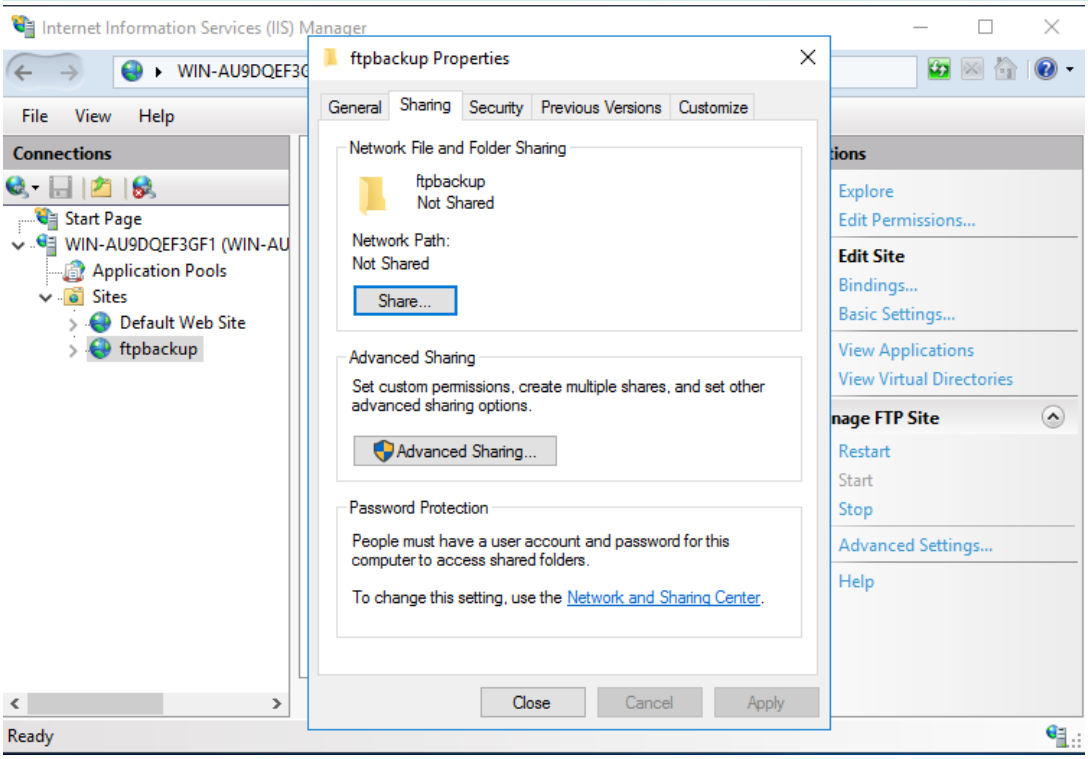


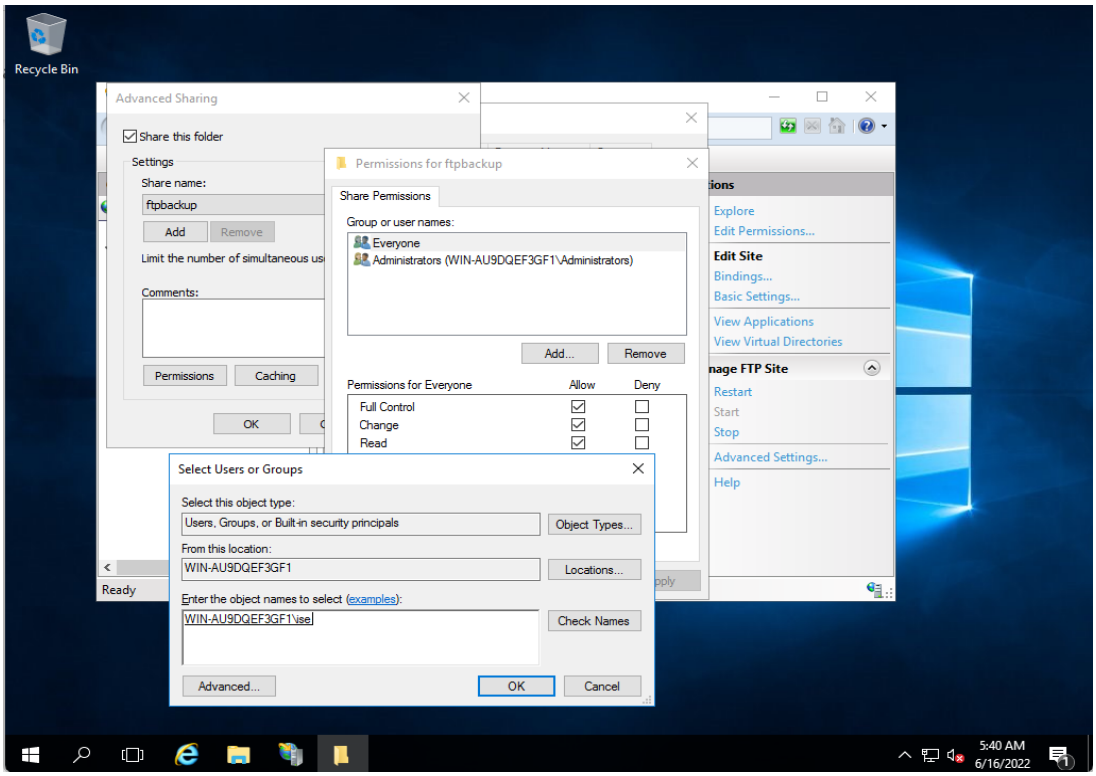
- Chọn Share và thêm user ise và set full quyền cho nó



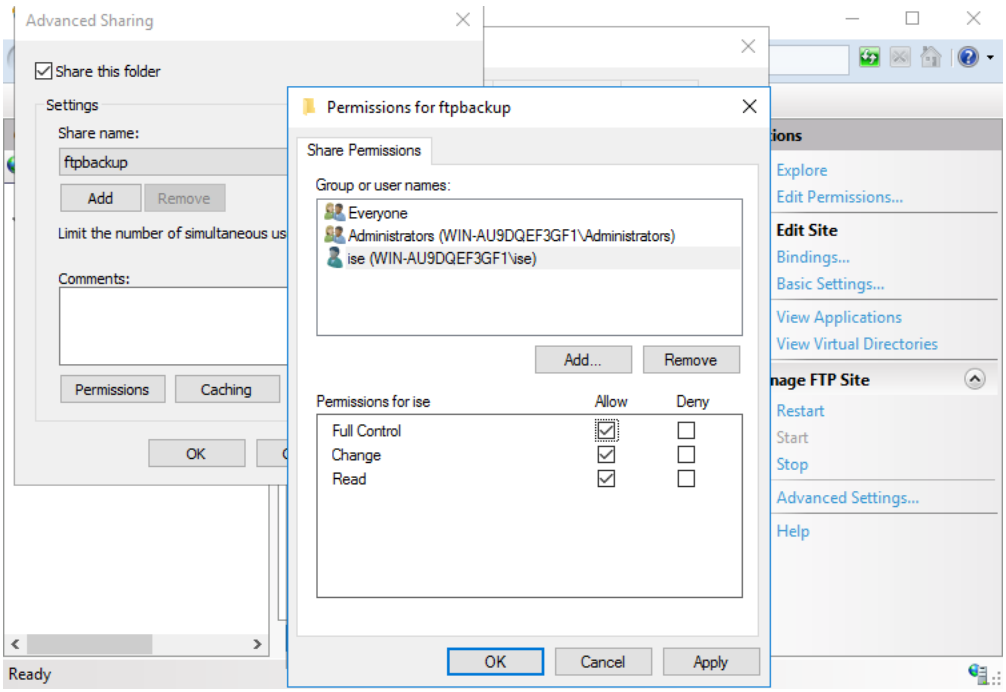


- Chọn Advanced Sharing, chọn Permissions, Add user ISE, set full quyền cho nó

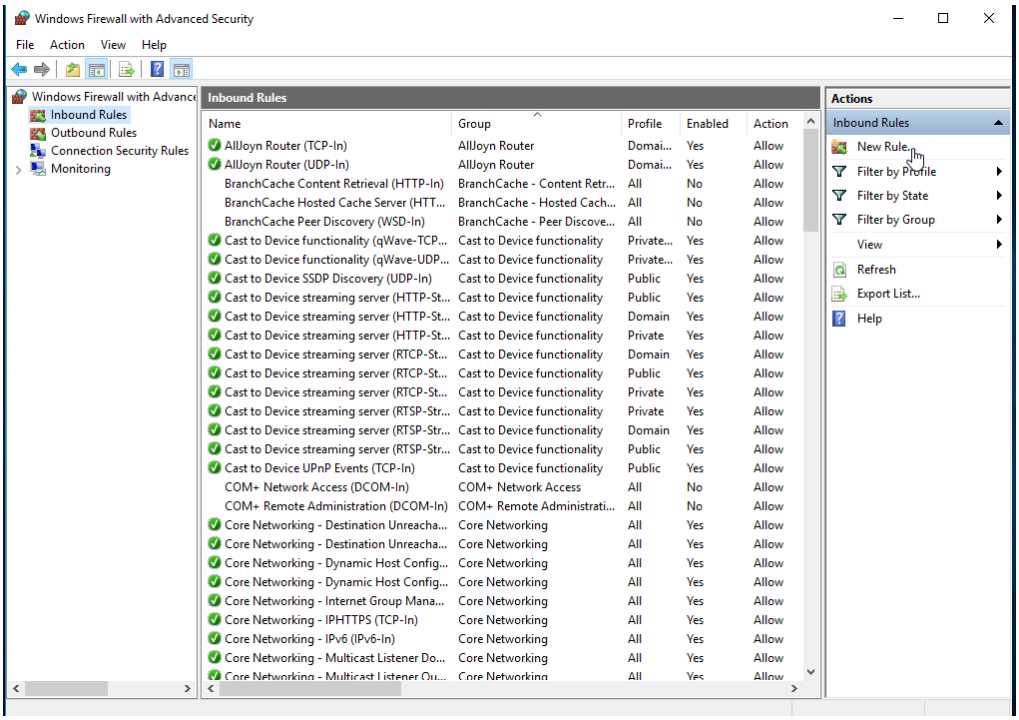

Internet Information Services (IIS) Manager
ftpbackup Properties
General
Sharing
Security
Previous Versions
Customize
Network File and Folder Sharing
ftpbackup
Not Shared
Network Path:
Not Shared
Share...
Advanced Sharing
Set custom permissions, create multiple shares, and set other advanced sharing options.
Advanced Sharing...
Password Protection
People must have a user account and password for this computer to access shared folders.
To change this setting, use the Network and Sharing Center.
Close
Cancel
Apply
File
View
Help
Connections
Start Page
Application Pools
Sites
Default Web Site
ftpbackup
Explore
Edit Permissions...
Edit Site
Bindings...
Basic Settings...
View Applications
View Virtual Directories
Restart
Start
Stop
Advanced Settings...
Help
Ready

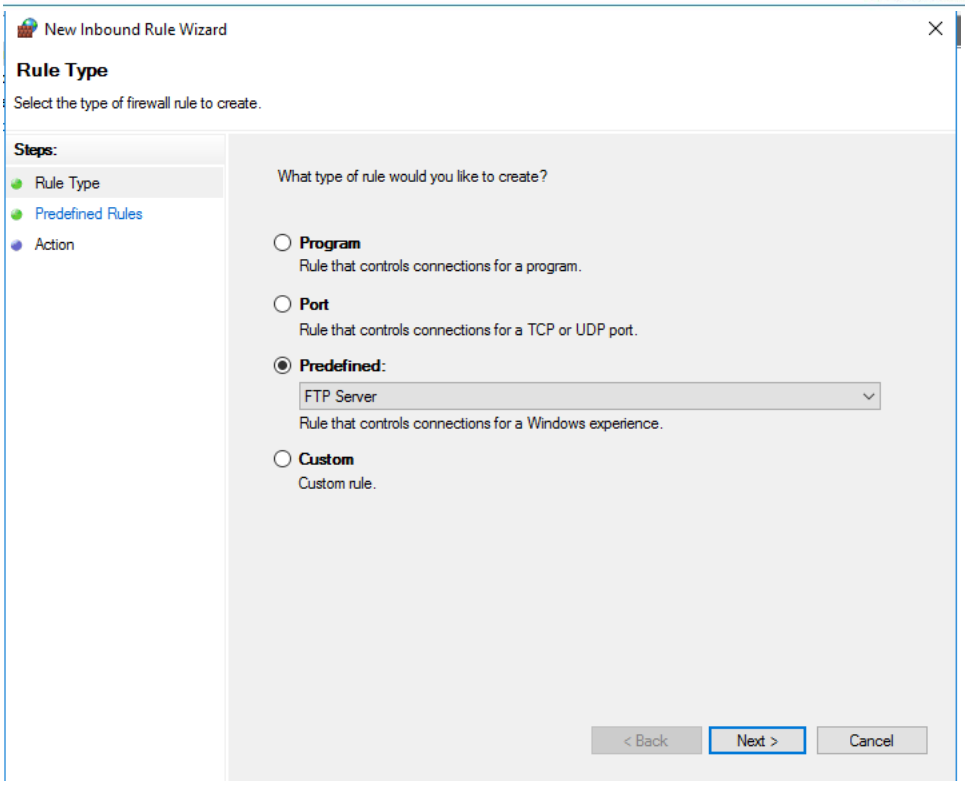

Recycle Bin
Advanced Sharing
Share this folder
Settings
Share name:
ftpbackup
Add
Remove
Comments:
Permissions
Caching
OK
Permissions for ftpbackup
Share Permissions
Group or user names:
Everyone
Administrators (WIN-AU9DQEF3GF1\Administrators)
Add...
Remove
Permissions for Everyone
Allow
Deny
Full Control
Change
Read
Select Users or Groups
Select this object type:
Users, Groups, or Built-in security principals
Object Types...
From this location:
WIN-AU9DQEF3GF1
Locations...
Enter the object names to select (examples):
WIN-AU9DQEF3GF1\ise
Check Names
Advanced...
OK
Cancel
Ready
5:40 AM
6/16/2022

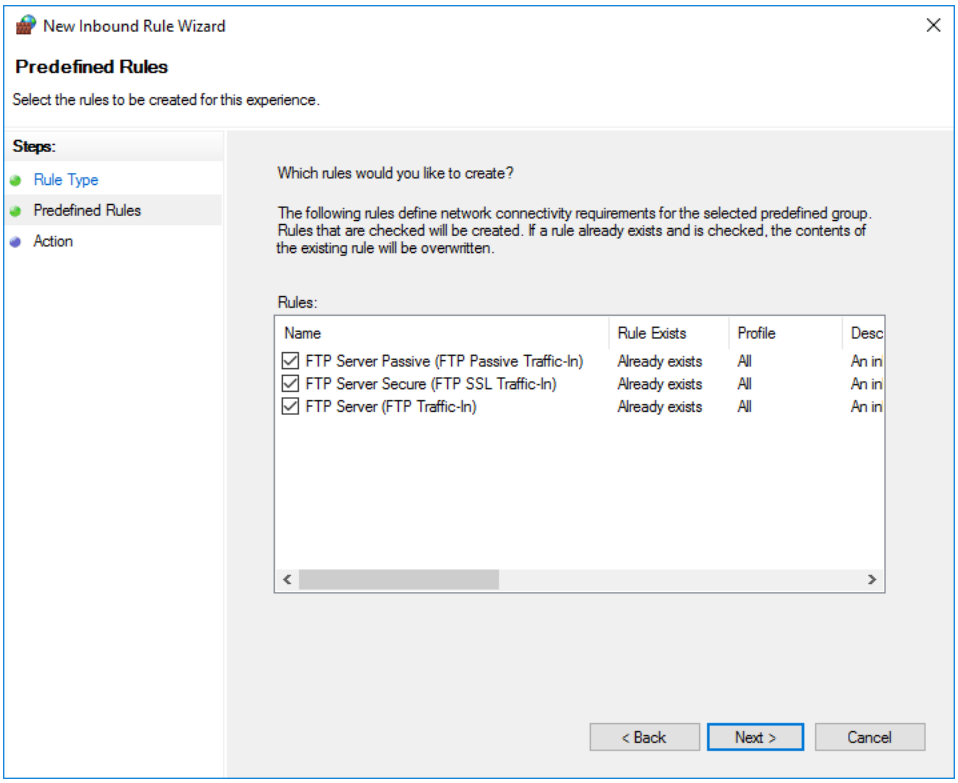
- Set full quyền cho user ise

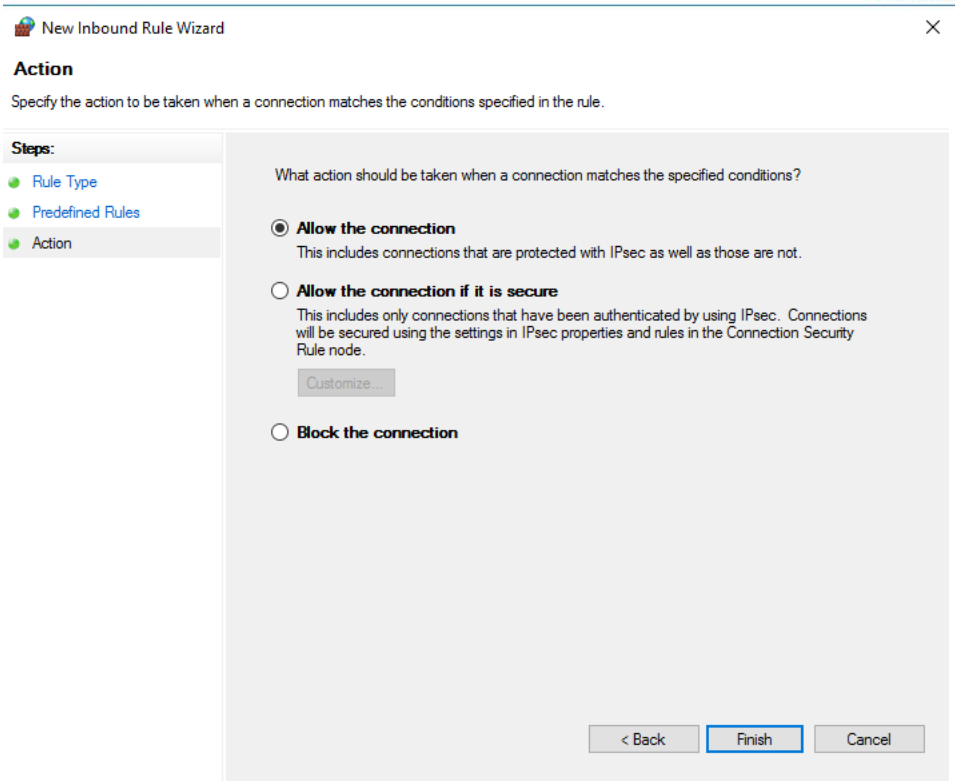


- Thêm rule mới cho firewall

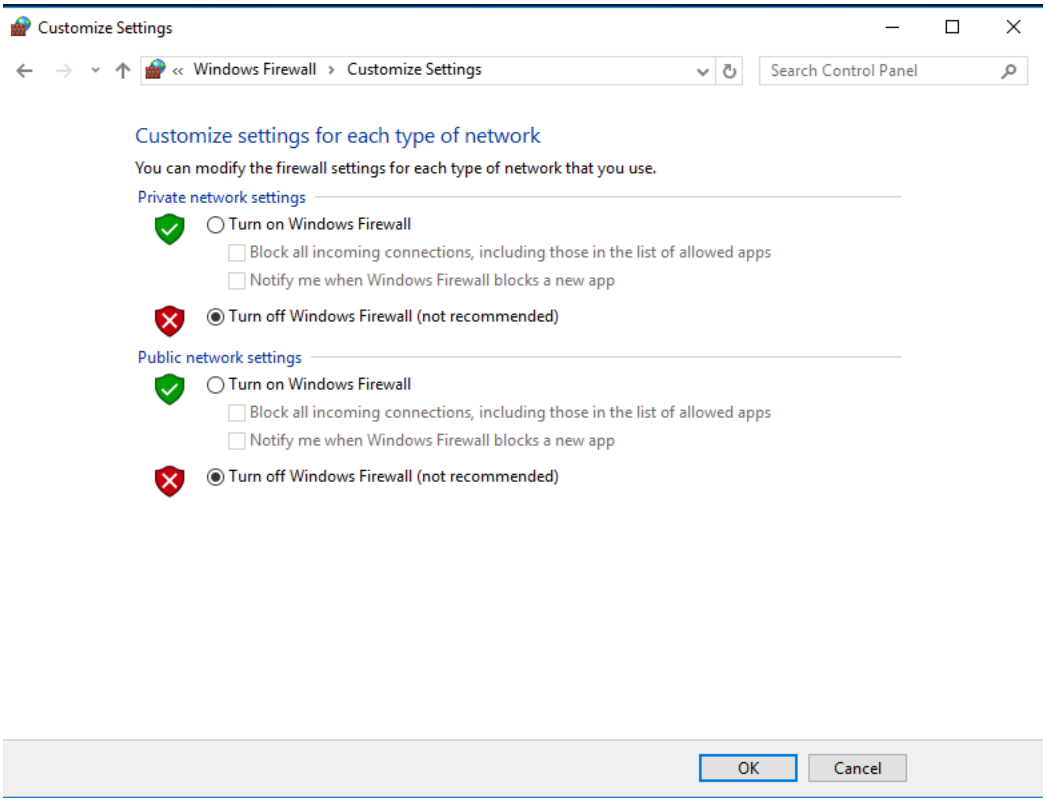



New Inbound Rule Wizard
Rule Type
Select the type of firewall rule to create.
Steps:
Rule Type
Predefined Rules
Action
What type of rule would you like to create?
Program
Rule that controls connections for a program.
Port
Rule that controls connections for a TCP or UDP port.
Predefined:
FTP Server
Rule that controls connections for a Windows experience.
Custom
Custom rule.
< Back
Next >
Cancel

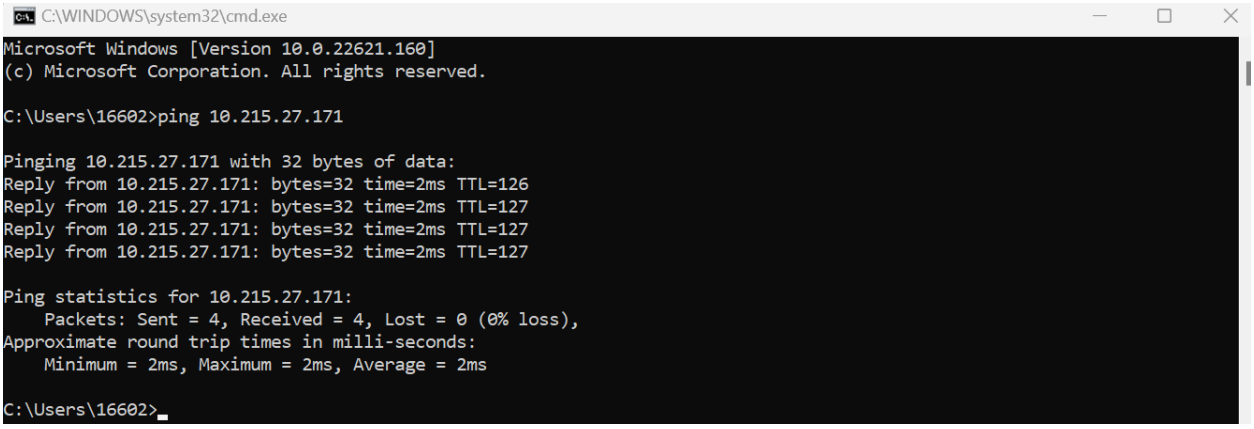

New Inbound Rule Wizard
Predefined Rules
Select the rules to be created for this experience.
Steps:
Rule Type
Predefined Rules
Action
Which rules would you like to create?
The following rules define network connectivity requirements for the selected predefined group. Rules that are checked will be created. If a rule already exists and is checked, the contents of the existing rule will be overwritten.
Rules:
Name
Rule Exists
Profile
Desc
FTP Server Passive (FTP Passive Traffic-In)
Already exists
All
An in
FTP Server Secure (FTP SSL Traffic-In)
Already exists
All
An in
FTP Server (FTP Traffic-In)
Already exists
All
An in
< Back
Next >
Cancel



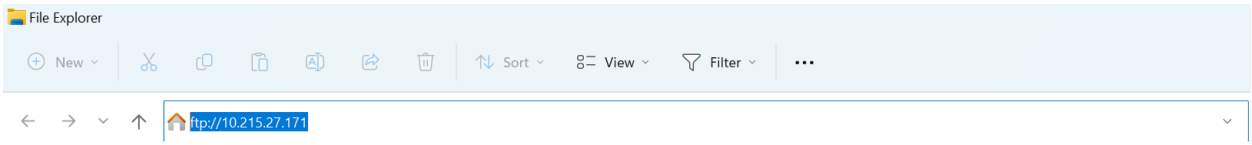
- Tắt Firewall



- Sử dụng một máy client ping thử tới FTP Server

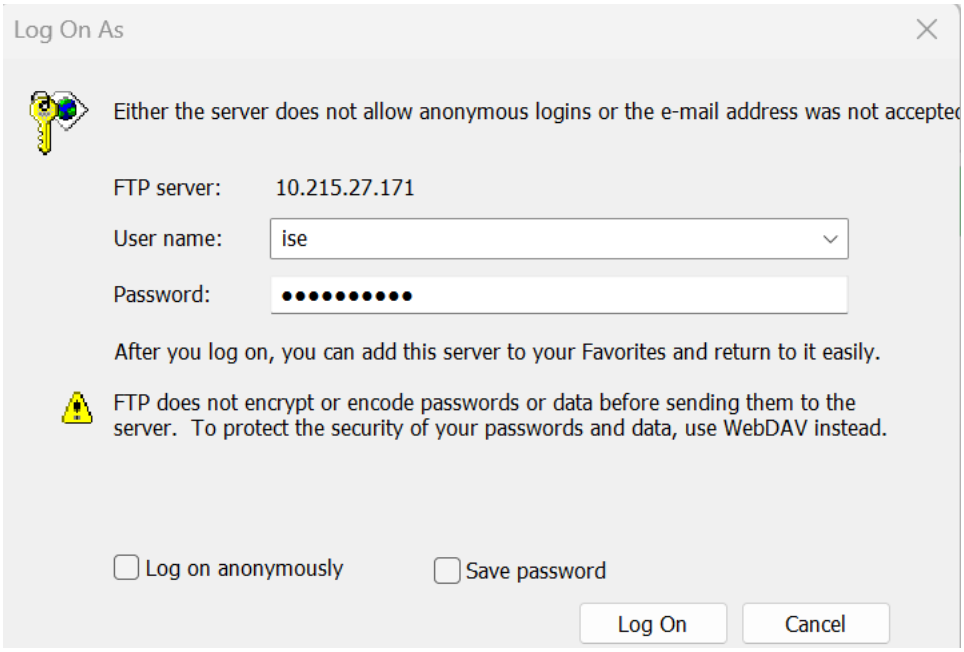
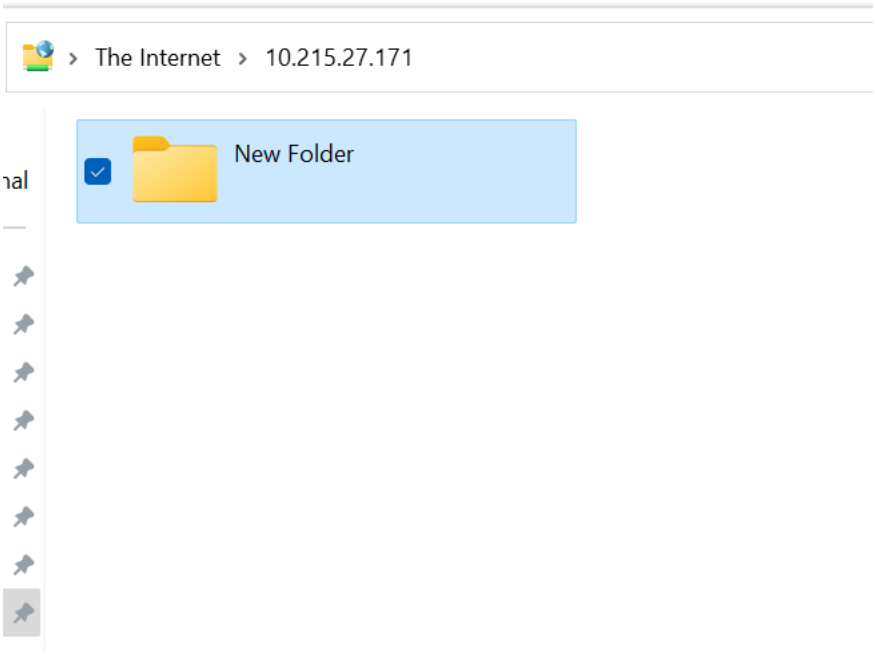


- Sử dụng file explorer nhập đường dẫn ftp:// { IP của FTP SERVER}



- Đăng nhập tài khoản FTP Server

{ username : “ise”, password:”C1sco12345” }



- Tạo được thư mục là thành công