

Active Directory Home Lab:

Install/Configure

Chris

Step 1 Install Active Directory:

Click Manage Add Roles and Features.

The screenshot shows the Windows Server Manager interface. The top navigation bar includes 'Home', 'Windows Server 2022', and 'Chris_Windows10' tabs. The main header displays 'Server Manager > Dashboard' and a 'Manage' button. A dropdown menu is open from the 'Manage' button, listing the following options: 'Add Roles and Features', 'Remove Roles and Features', 'Add Servers', 'Create Server Group', and 'Server Manager Properties'. The 'Add Roles and Features' option is highlighted.

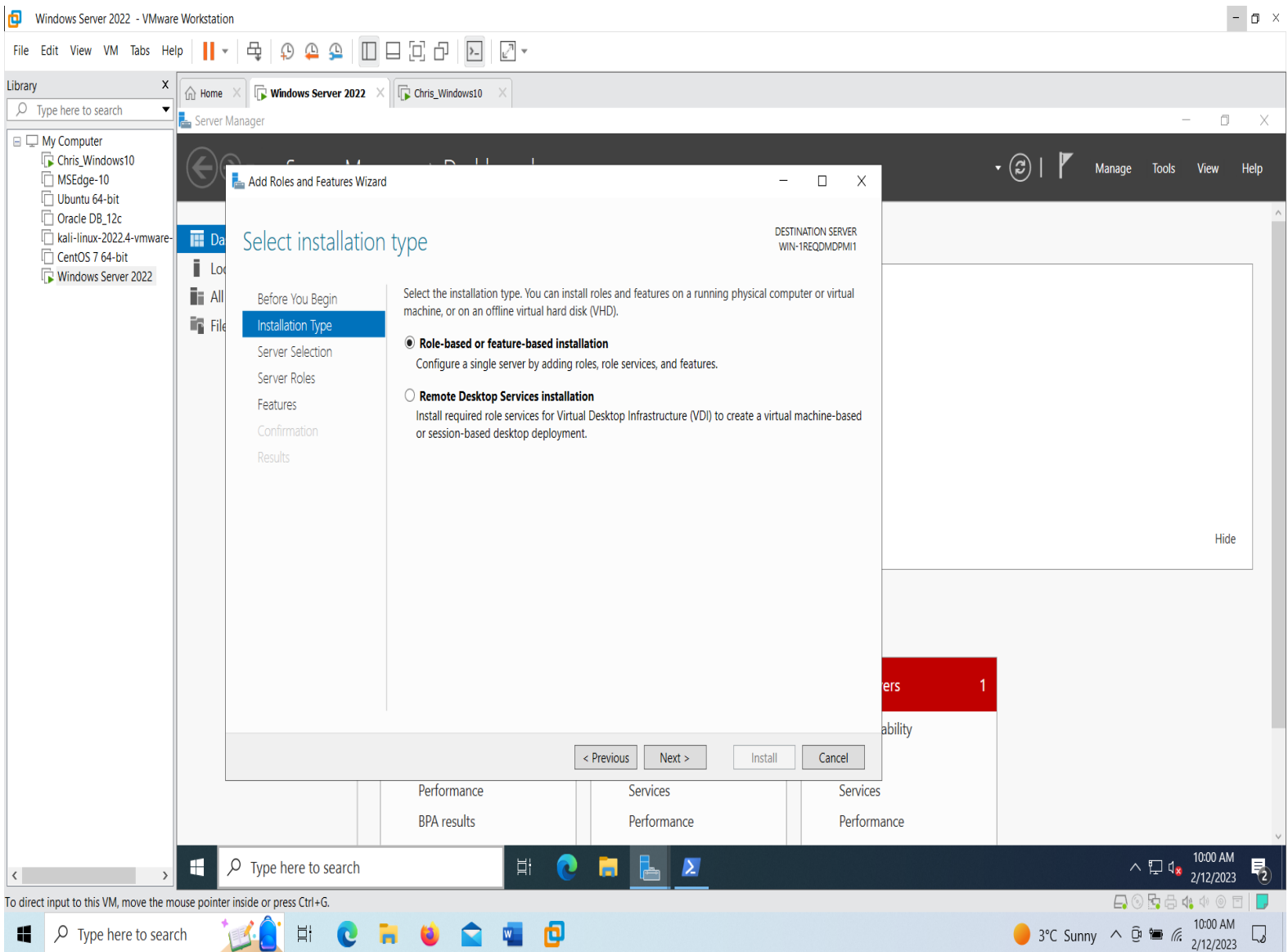
The main content area is titled 'WELCOME TO SERVER MANAGER' and features a 'QUICK START' section with a numbered list of tasks:

- 1 Configure this local server
- 2 Add roles and features
- 3 Add other servers to manage
- 4 Create a server group
- 5 Connect this server to cloud services

Below this, the 'ROLES AND SERVER GROUPS' section shows a summary: 'Roles: 1 | Server groups: 1 | Servers total: 1'. It displays three panels: 'File and Storage Services' (with a count of 1), 'Local Server' (with a count of 1), and 'All Servers' (with a count of 1). Each panel lists 'Manageability', 'Events', 'Services', and 'Performance'.

The bottom of the screen shows the Windows taskbar with the search bar, taskbar icons, and the system tray displaying the time as 9:57 AM on 2/12/2023.

Step 1.1 Choose Role-Based Install/Confirm IP.



Step 1.2 Confirm IPv4 Address.

Windows Server 2022 - VMware Workstation

File Edit View VM Tabs Help

Library

Type here to search

My Computer

- Chris_Windows10
- MSEdge-10
- Ubuntu 64-bit
- Oracle DB_12c
- kali-linux-2022.4-vmware-
- CentOS 7 64-bit
- Windows Server 2022

Server Manager

Home Windows Server 2022 Chris_Windows10

Server Manager Dashboard

Manage Tools View Help

Add Roles and Features Wizard

Select destination server

DESTINATION SERVER
WIN-1REQMDPMI1

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

Select a server or a virtual hard disk on which to install roles and features.

☒ Select a server from the server pool
☐ Select a virtual hard disk

Server Pool

Filter:

Name	IP Address	Operating System
WIN-1REQMDPMI1	10.0.0.2	Microsoft Windows Server 2022 Standard

1 Computer(s) found

This page shows servers that are running Windows Server 2012 or a newer release of Windows Server, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.

< Previous Next > Install Cancel

BPA results Performance Performance

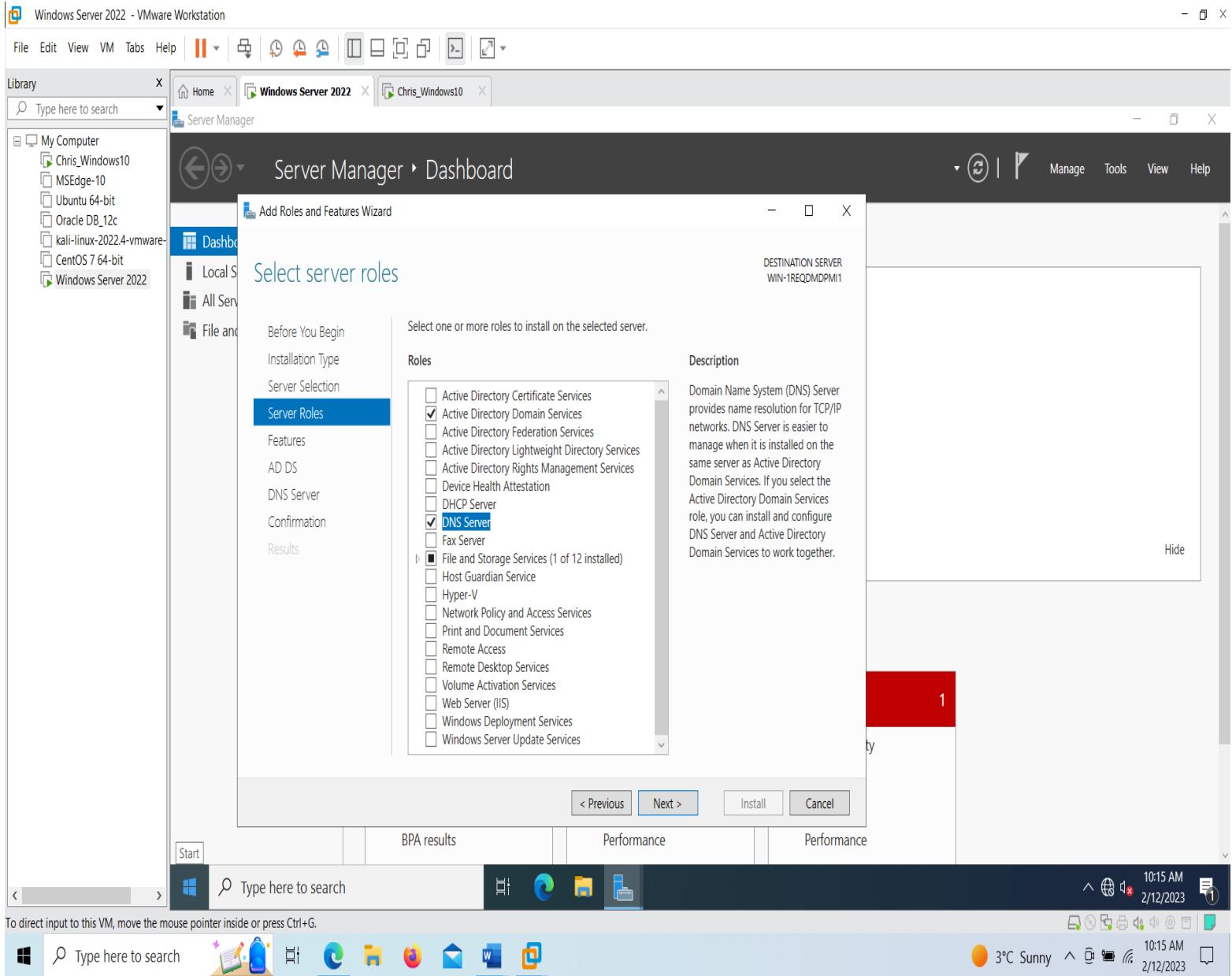
Type here to search

10:13 AM 2/12/2023

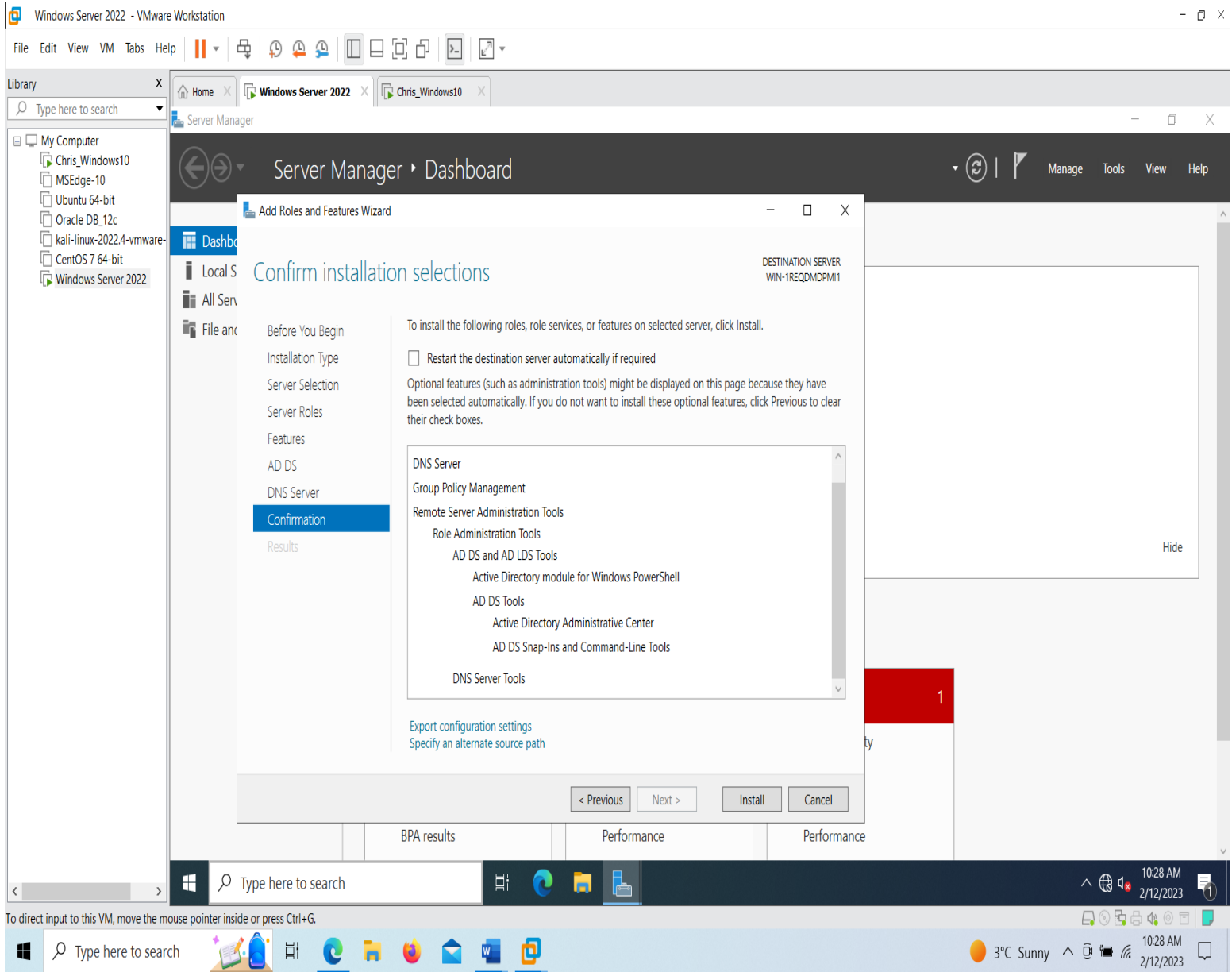
3°C Sunny

10:13 AM 2/12/2023

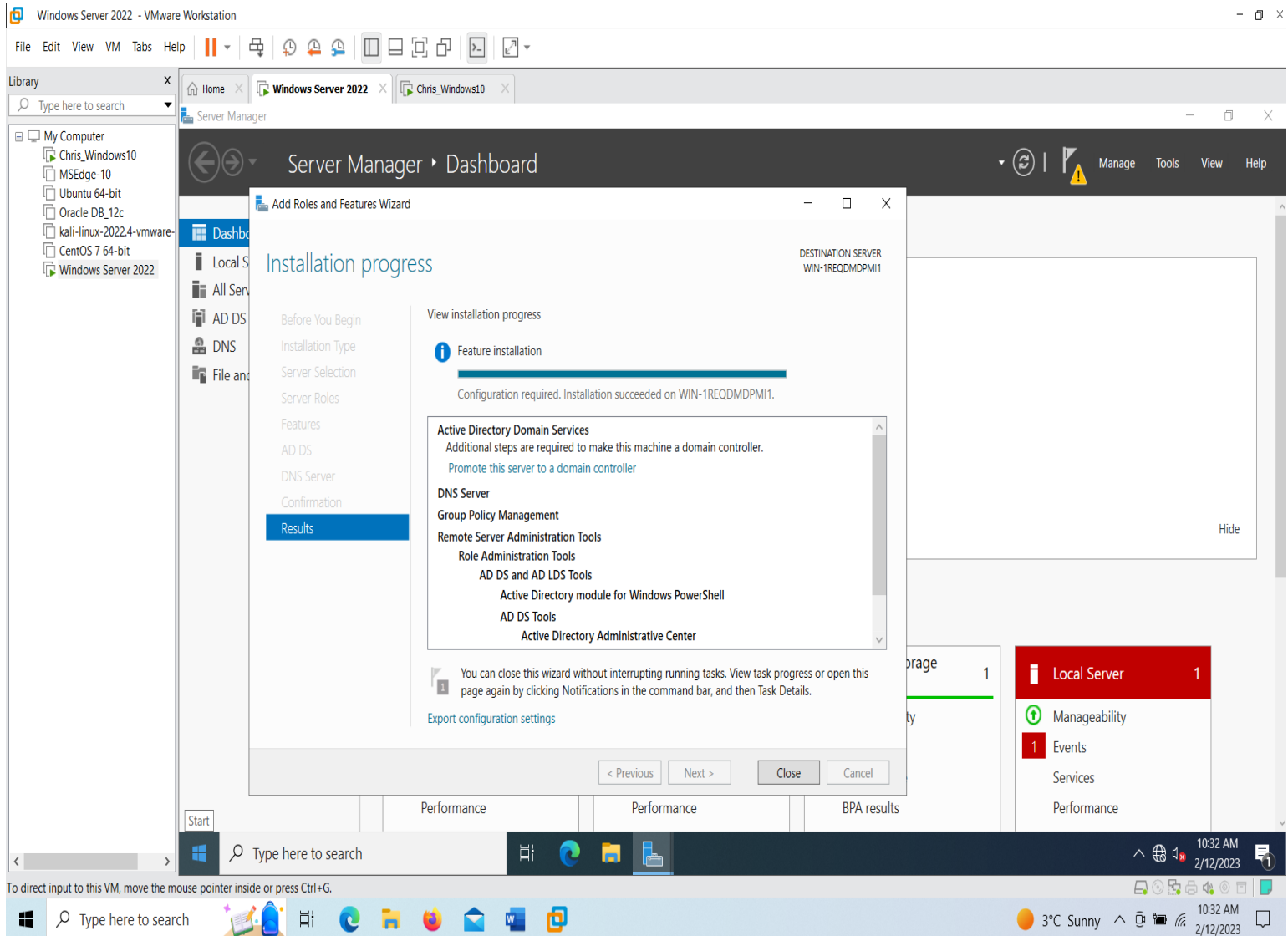
Step 1.2 Click Active Directory Domain Services & DNS.



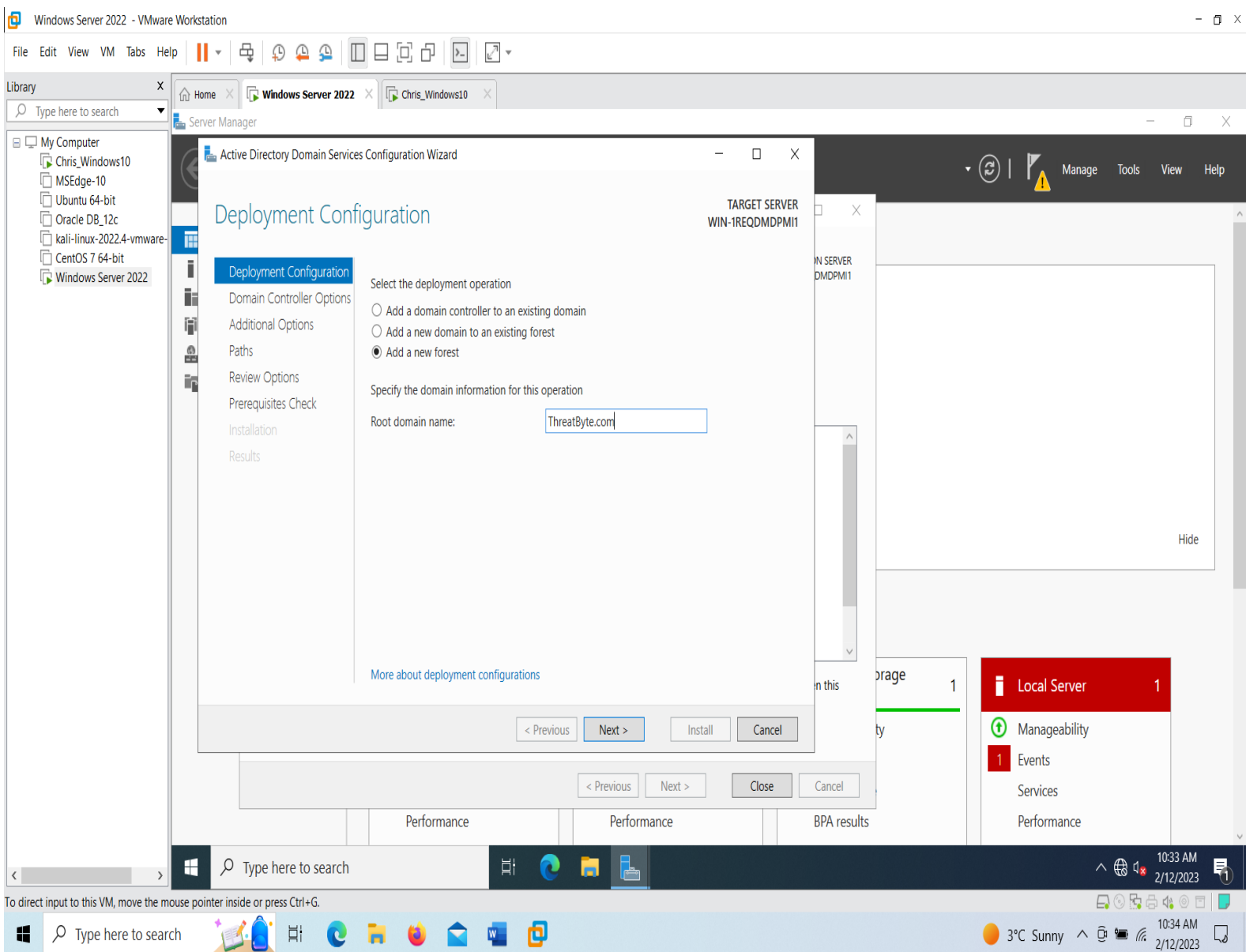
Step 1.3 Confirm you are installing correct features & click install.



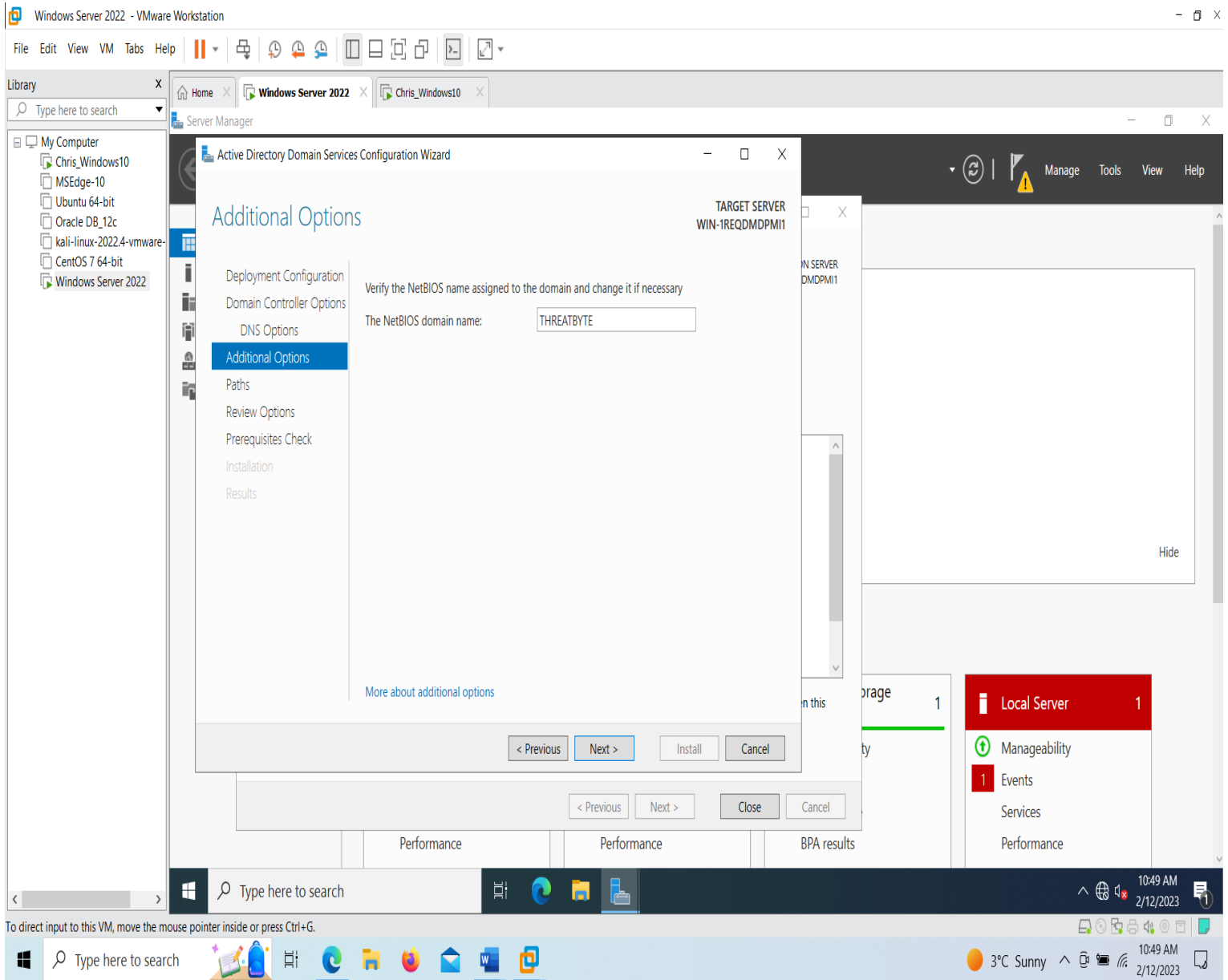
Step 1.4 Click Promote Domain Controller.



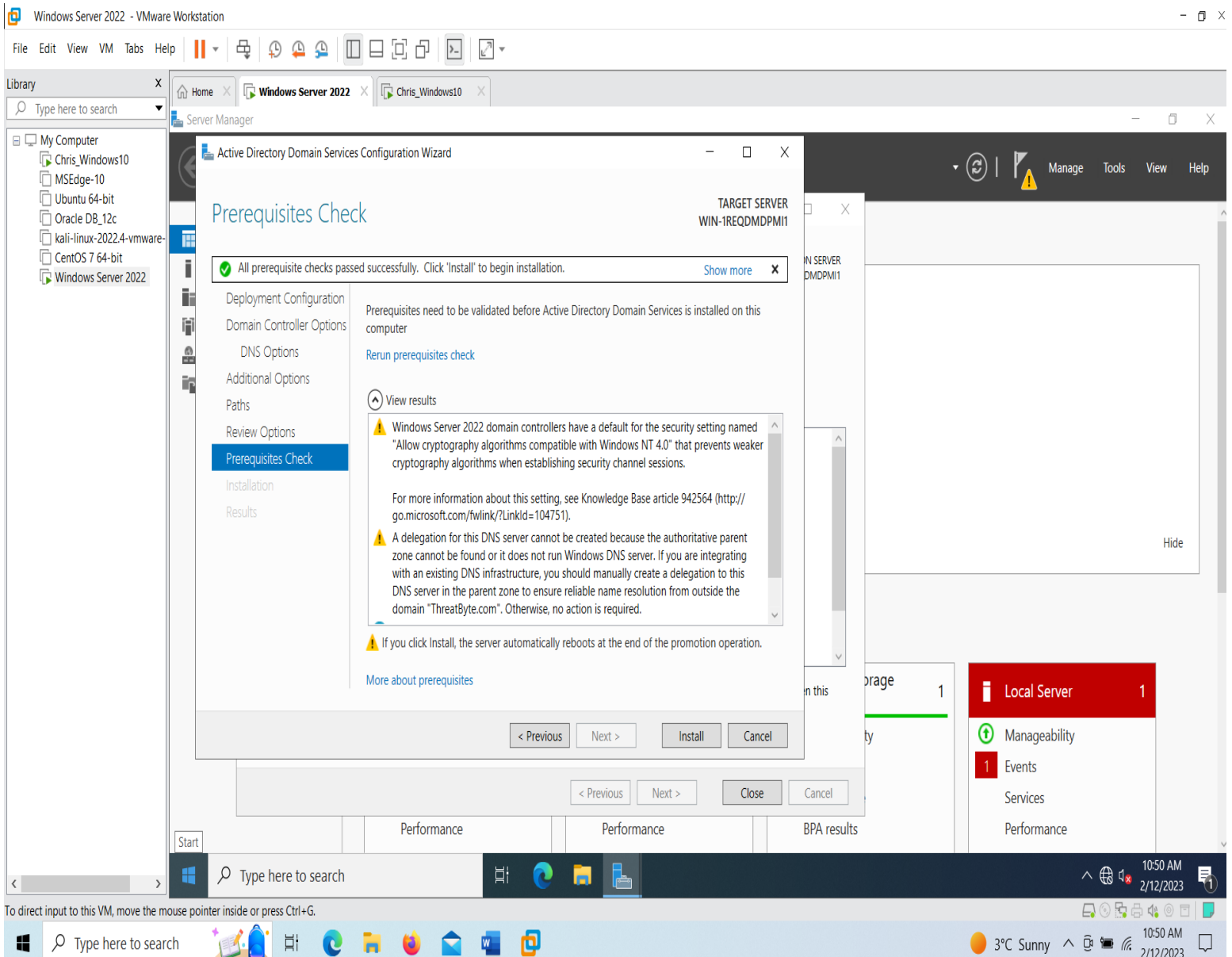
Step 1.6 Set Domain ThreatByte.com



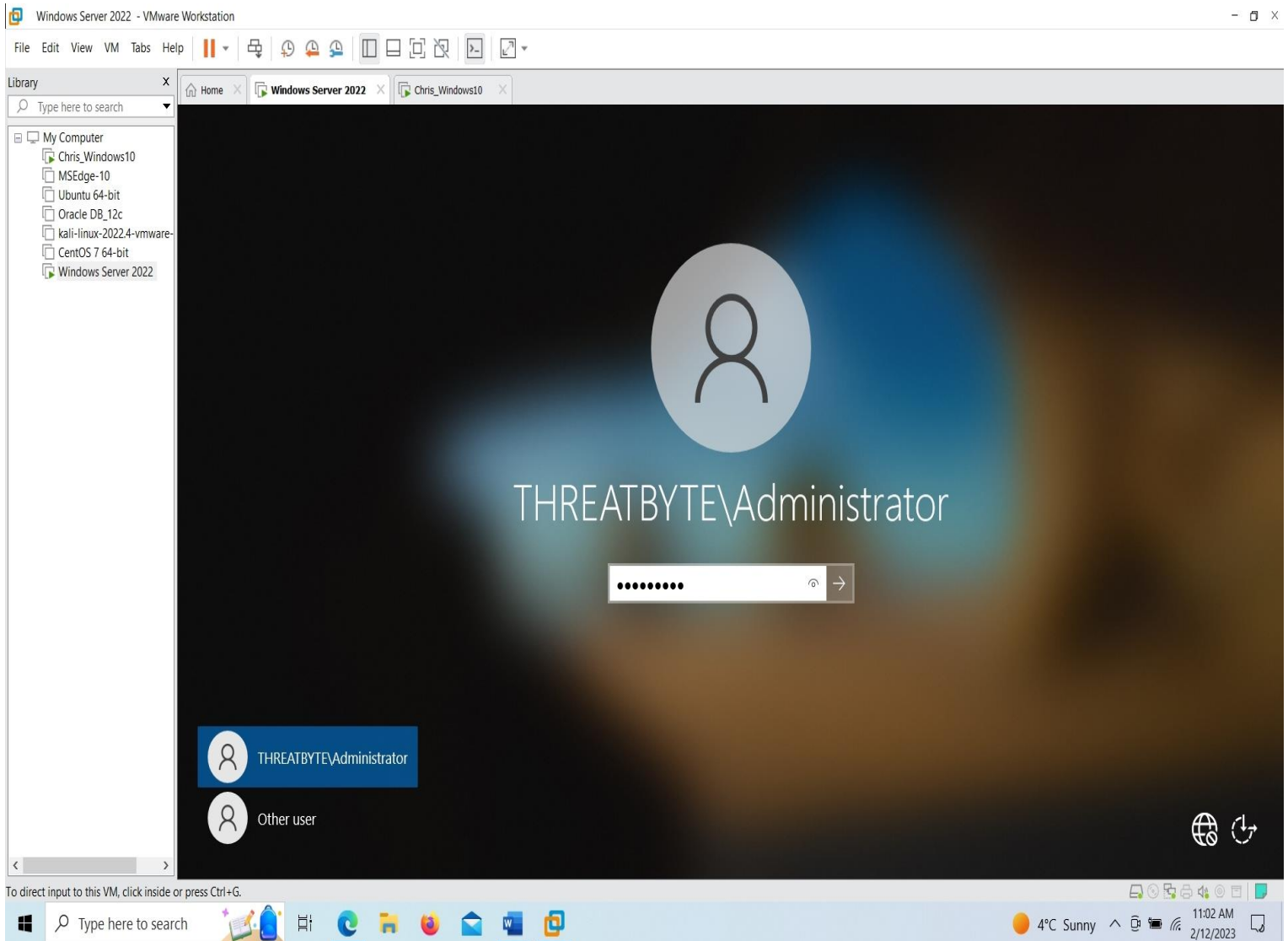
Step 1.7 Domain Name ThreatByte.



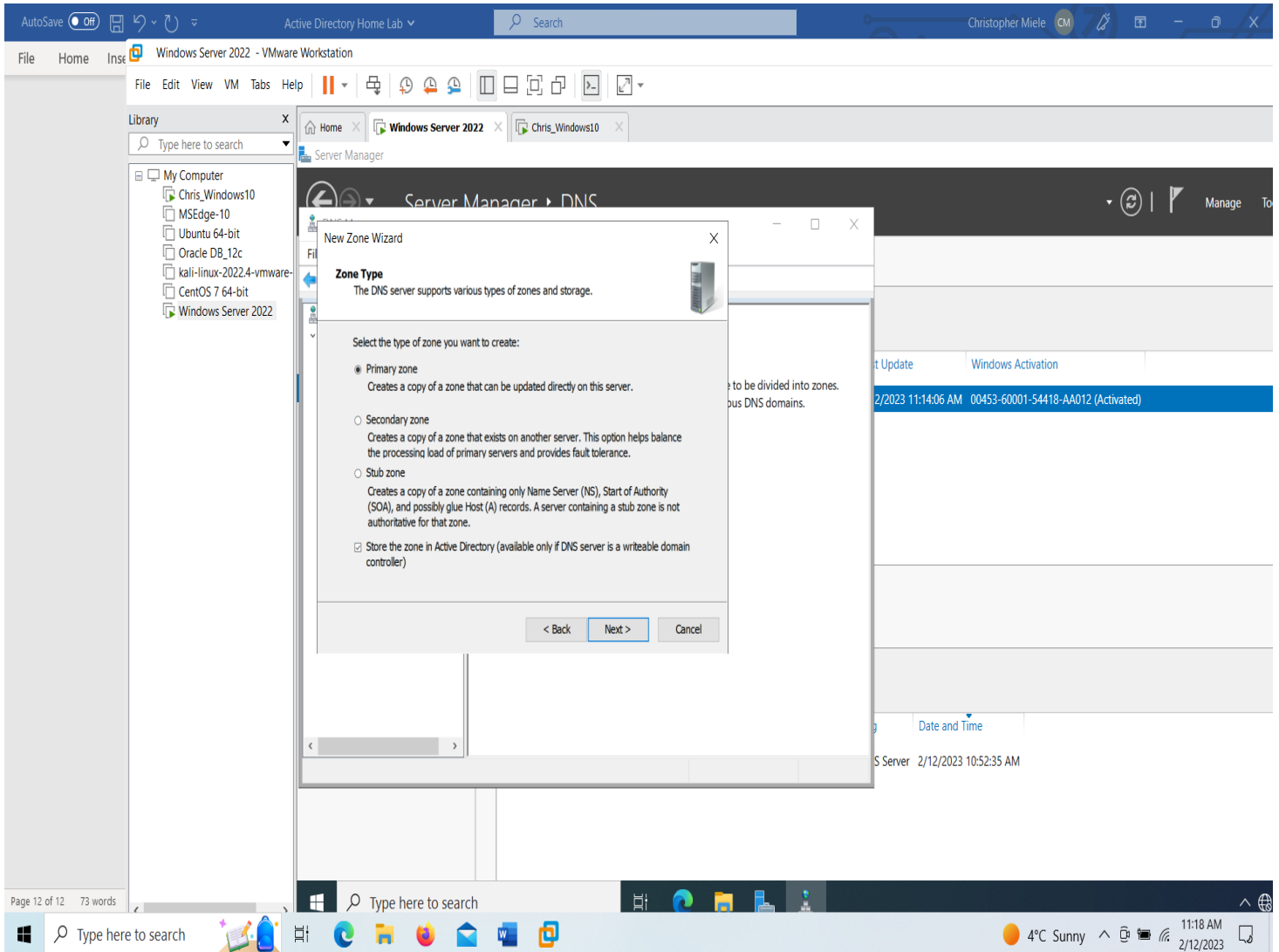
Step 1.8 Click Install.



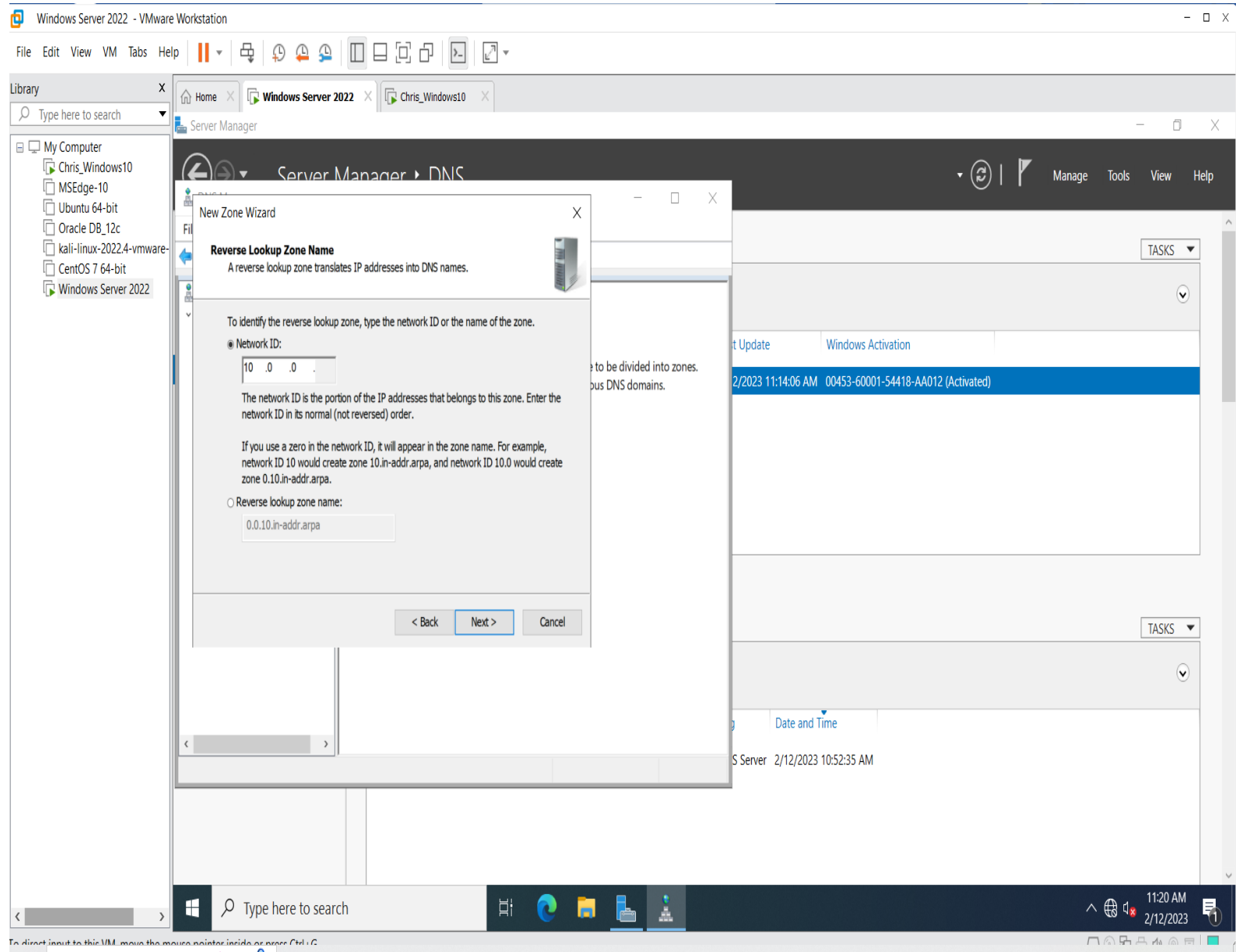
Step 1.9 Log Into Domain Admin Account.



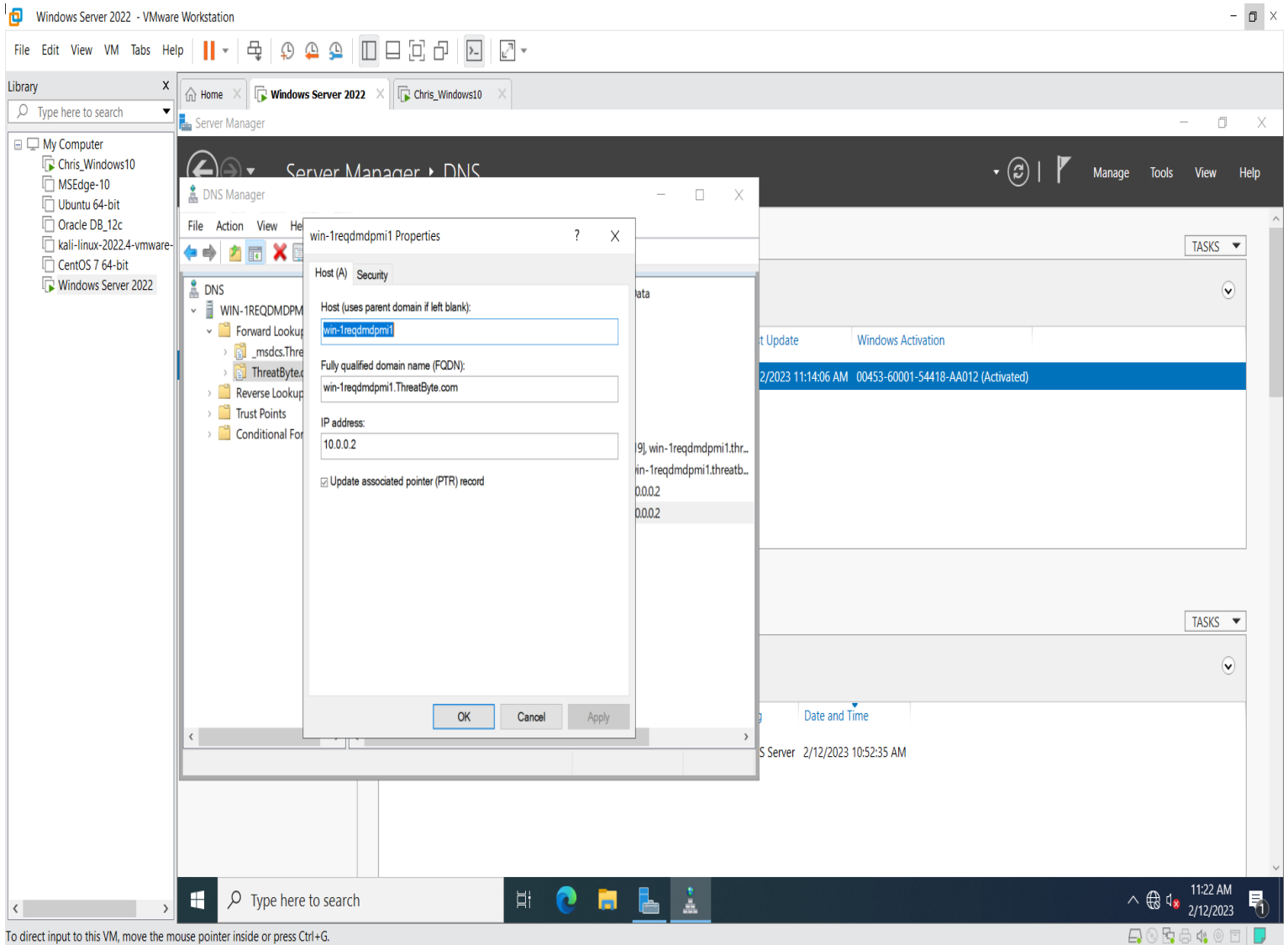
Step 2.0 Creating Reverse Lookup Zone DNS.



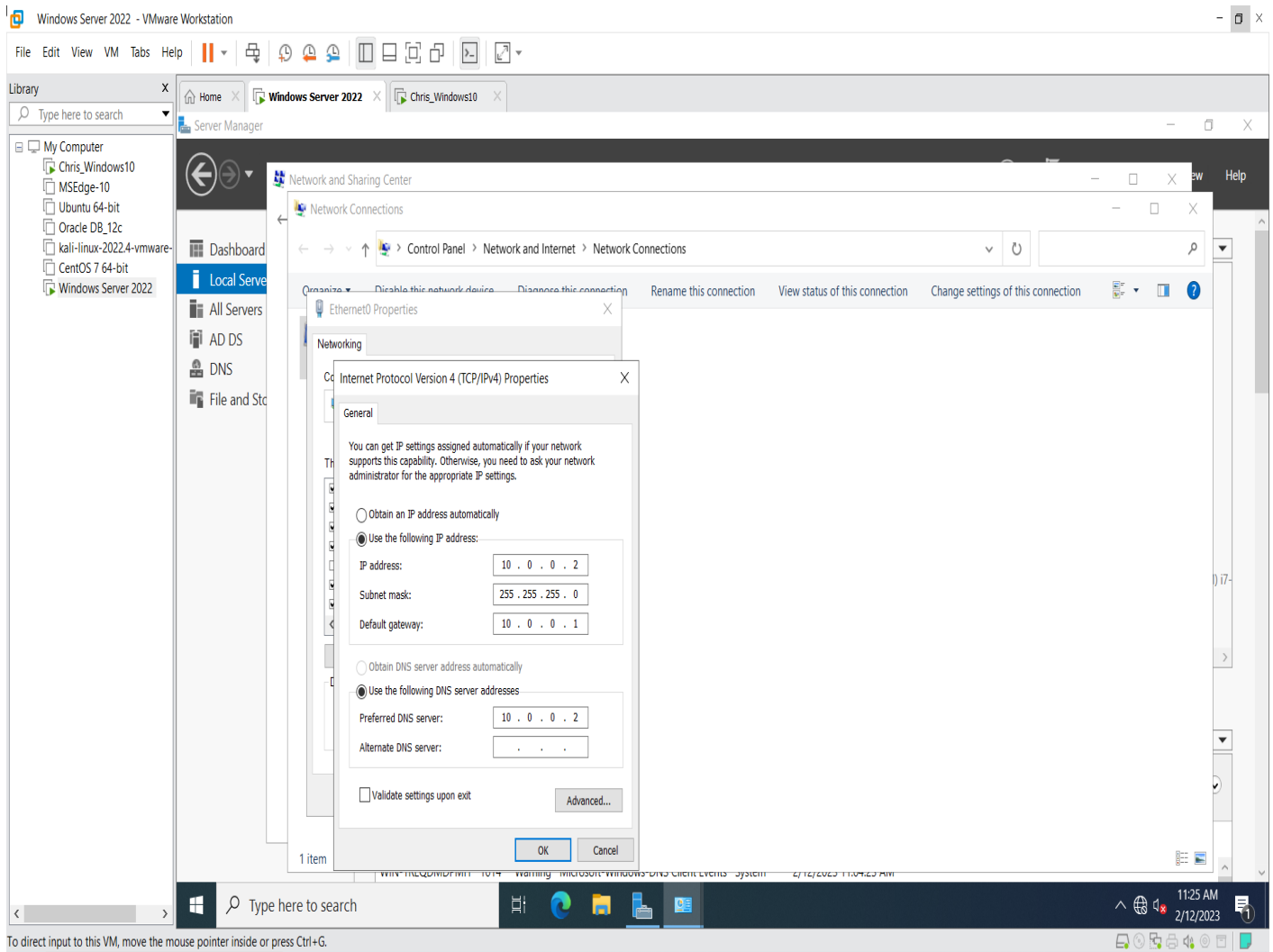
Step 2.1 Network ID Reverse Lookup Zone.



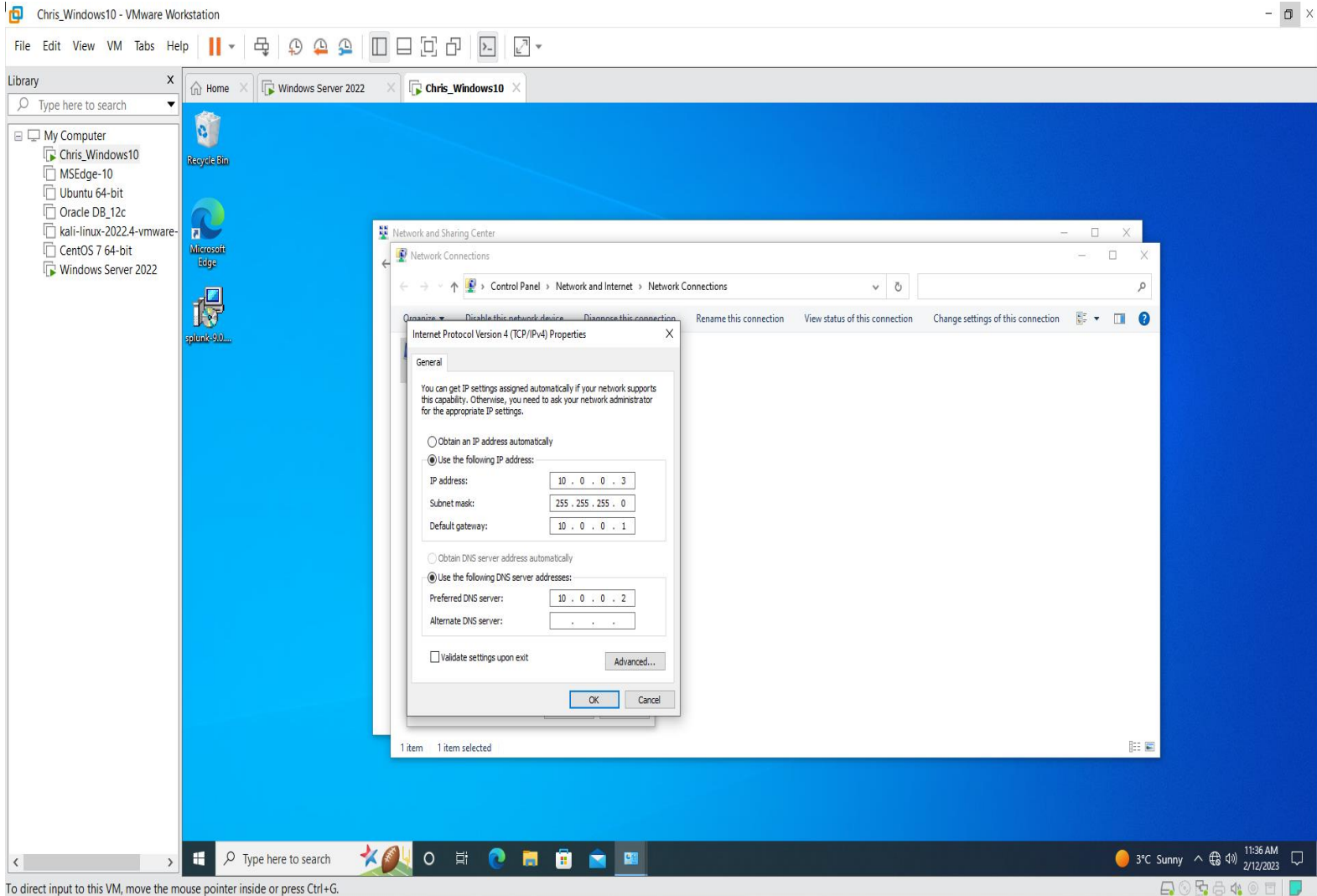
Step 2.2 Update Pointer Forward Lookup Zone.



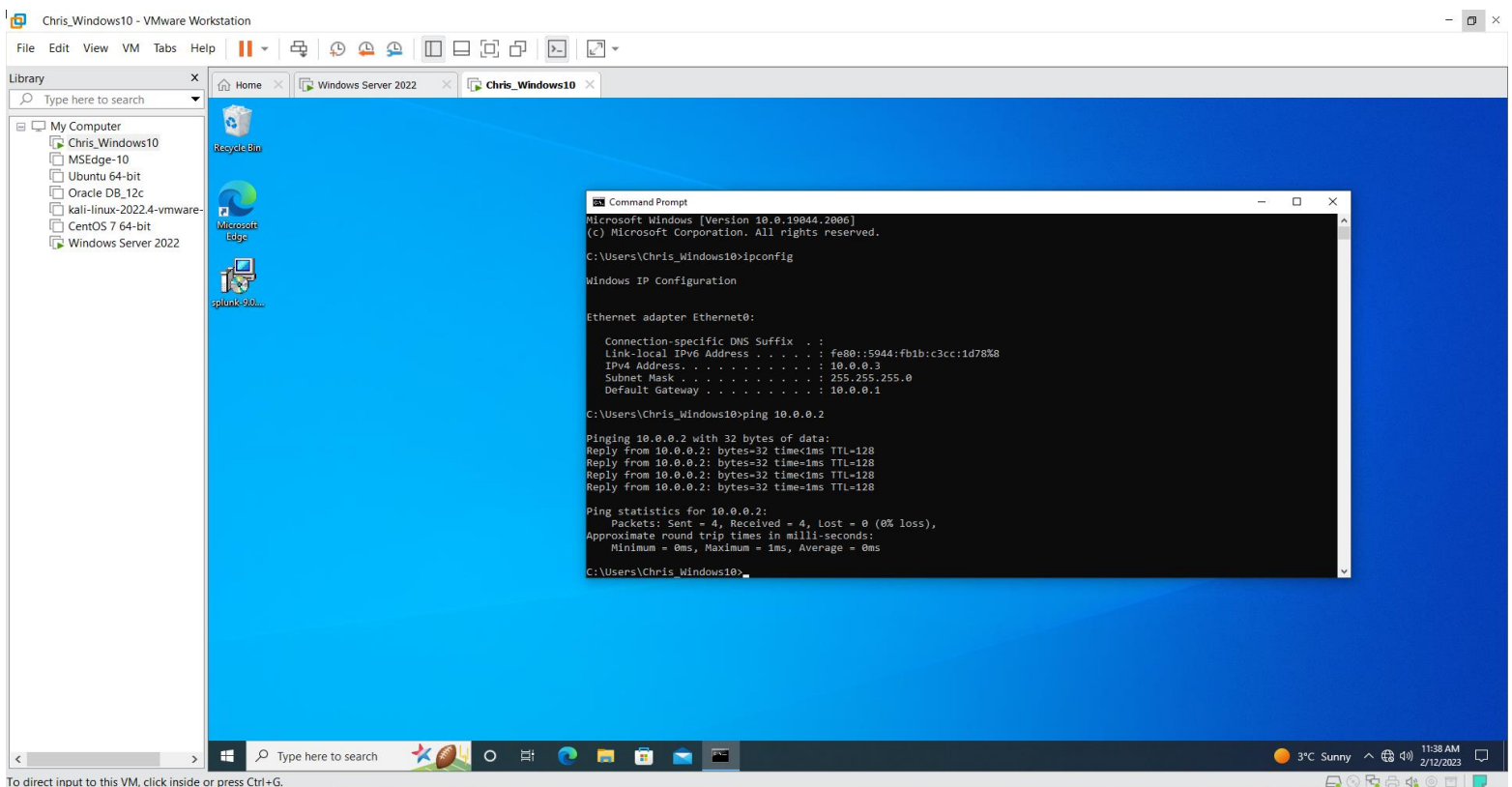
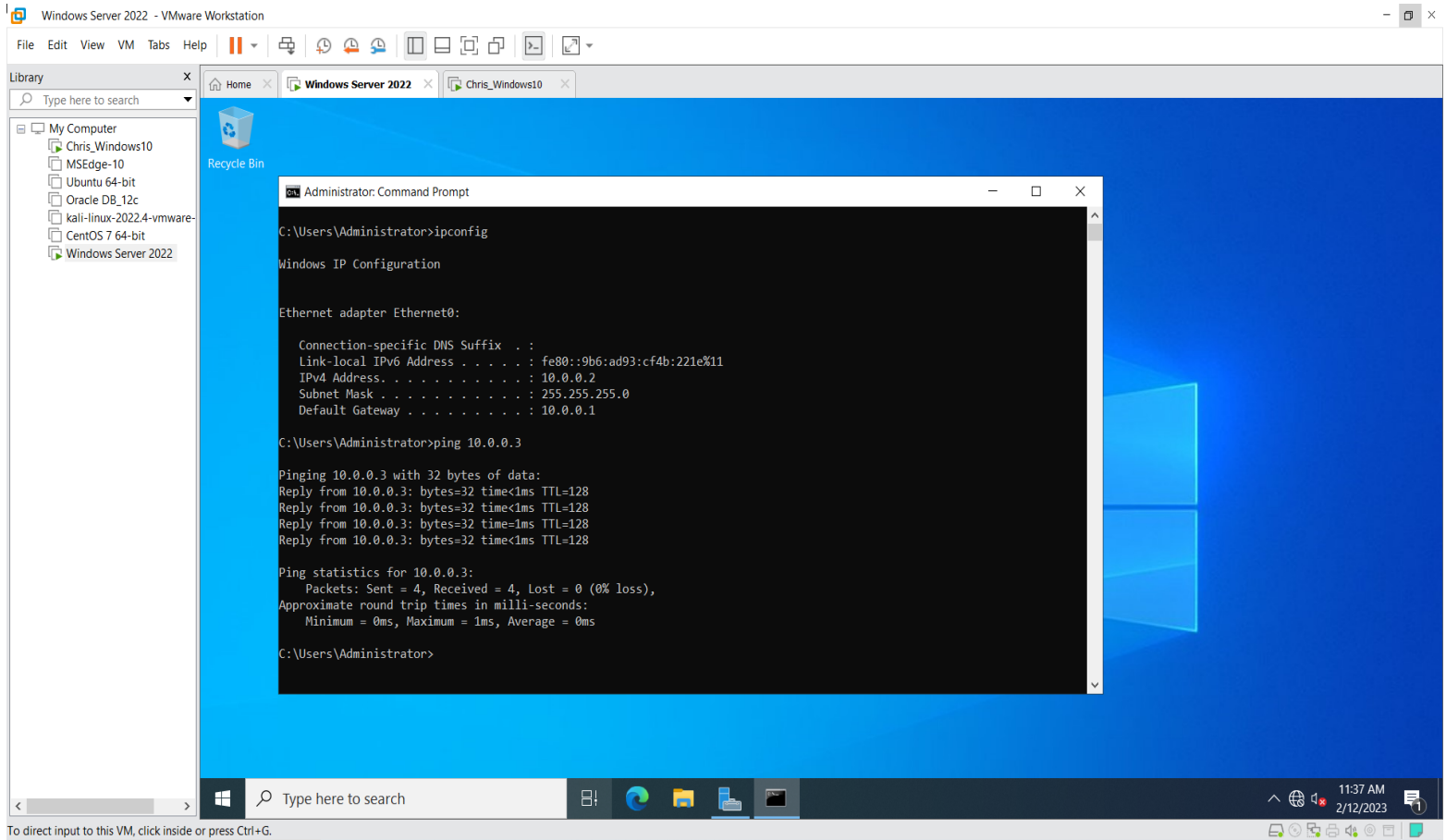
Step 2.3 Change DNS Server To IP.



Step 2.4 Change DNS Server Win 10.



Step 2.5 Connectivity Test.



Step 2.6 Create User Active Directory User and Computers.

Windows Server 2022 - VMware Workstation

File Edit View VM Tabs Help

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- kali-linux-2022.4-vmware-
- CentOS 7 64-bit
- Windows Server 2022

Recycle Bin

Active Directory Users and Computers

File Action View Help

Active Directory Users and Computers

Name	Type	Description
Administrator	User	Built-in account
Allowed ROD...	Security Group	Members in this
Cert Publish...	Security Group	Members of this
Cloneable D...	Security Group	Members in this
Denied ROD...	Security Group	Members in this
DnsAdmins	Security Group	DNS Administra
DnsUpdatePr...	Security Group	DNS clients who
Domain Adm...	Security Group	Designated adm
Domain Com...	Security Group	All workstations
Domain Con...	Security Group	All domain cont
Domain Gue...	Security Group	All domain gue
Domain Users	Security Group	All domain user
Enterprise A...	Security Group	Designated adm
Enterprise Ke...	Security Group	Members of this
Enterprise Re...	Security Group	Members of this
Group Policy...	Security Group	Members in this
Guest	User	Built-in account
Key Admins	Security Group	Members of this group c...
Protected Us...	Security Group	Members of this group a...
RAS and IAS ...	Security Group	Servers in this group can...
Read-only D...	Security Group	Members of this group a...

New Object - User

Create in: ThreatByte.com/Users

First name: Bob Initials:

Last name: Jim

Full name: Bob Jim

User logon name: BobJ @ThreatByte.com

User logon name (pre-Windows 2000): THREATBYTE\ BobJ

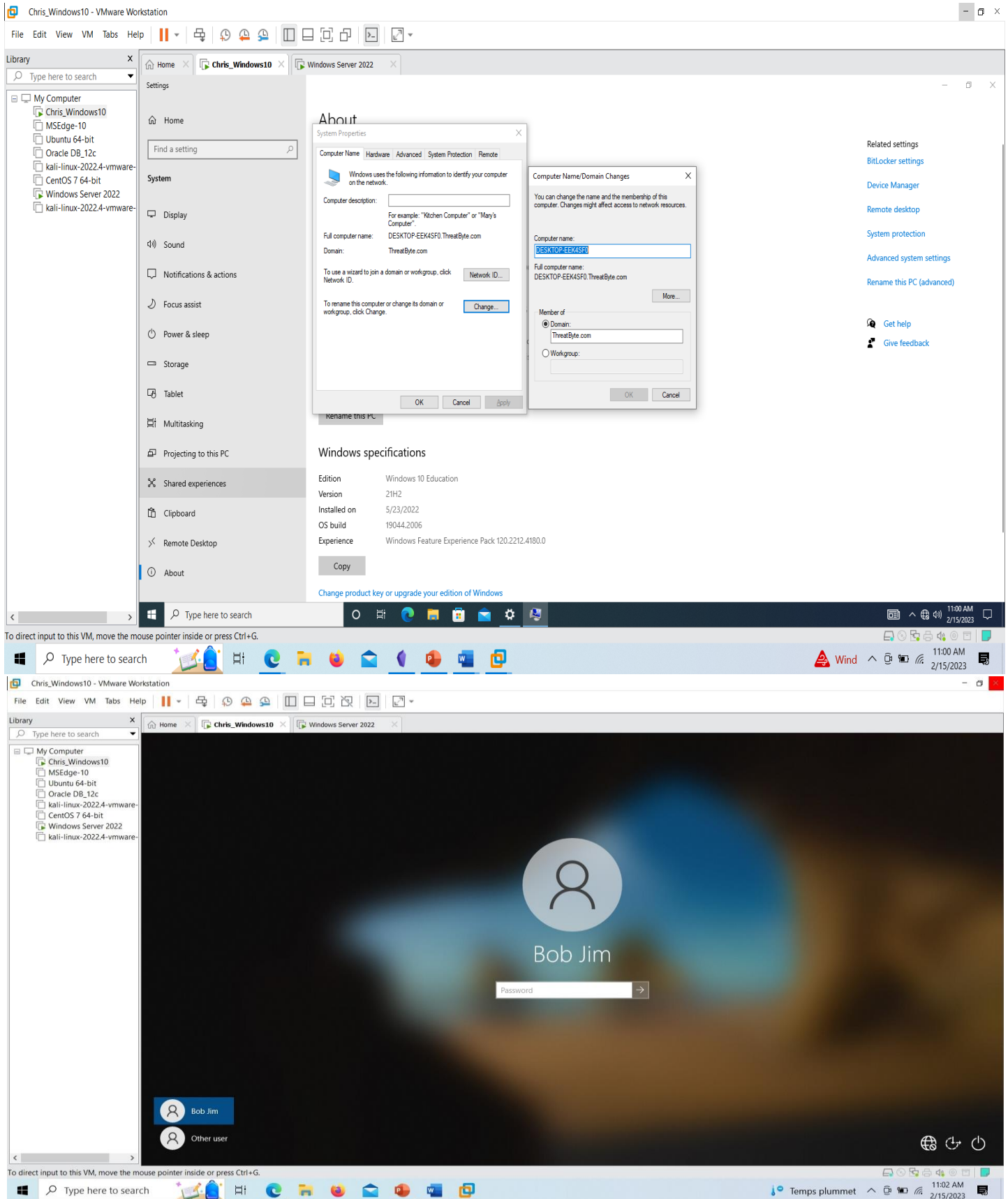
< Back Next > Cancel

Type here to search

11:41 AM 2/12/2023

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

Step 2.7 Join Domain Win 10/Log In Bob Account.



Step 2.8 Confirm BobJ

