Exercise 1 - Managing Administrative Tools.

The Windows Administrative Tools folder in Windows 11 contains applications for managing a local computer's system.

These admin tools make it easy to manage Windows 11 system settings like:

- Event log audits.
- Restrict computer access with local computer policy.
- Disk volume management.
- Resource monitoring.
- Fending off unauthorized network traffic using Windows Firewall.

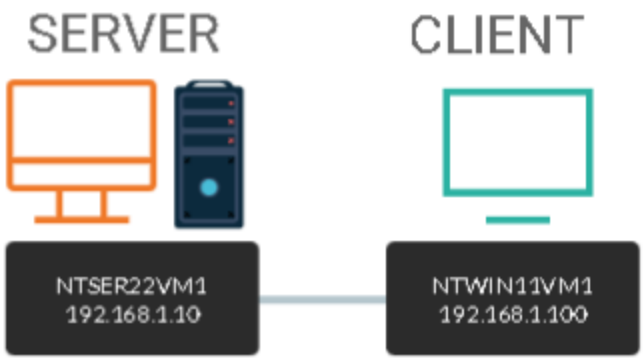
The Remote Server Administration Tools, or RSAT, can be used to extend the capabilities of a domain-joined workstation running Windows.

RSAT offers tools for managing domain joined servers, domain controllers, creating users, and managing security groups in the Active Directory Domain network, such as Active Directory Users and Computers.

In this exercise,

1. Download RSAT
2. Verifying remote connection from windows 11 client to networktute domain

Topology



DOMAIN = networktute.com

NTSER22VM1 = Windows Server 2022 – Domain Controller

NTWIN11VM1 = Windows 11 – Domain Member

Prerequisite

- *VMware Workstation 16 Pro*
    - When making this tutorial, we used the “Windows Server 2019” VM Template and “Windows 10 & later” VM Template. Since VMware didn’t have the updated templates.
- *Microsoft Windows Server 2022*
- *Microsoft Windows 11*

Task 1:

RSAT (Remote Server Administration Tools) is a separate download from Microsoft's website. To successfully install RSAT on Windows 11, the Windows Update service must be started manually.

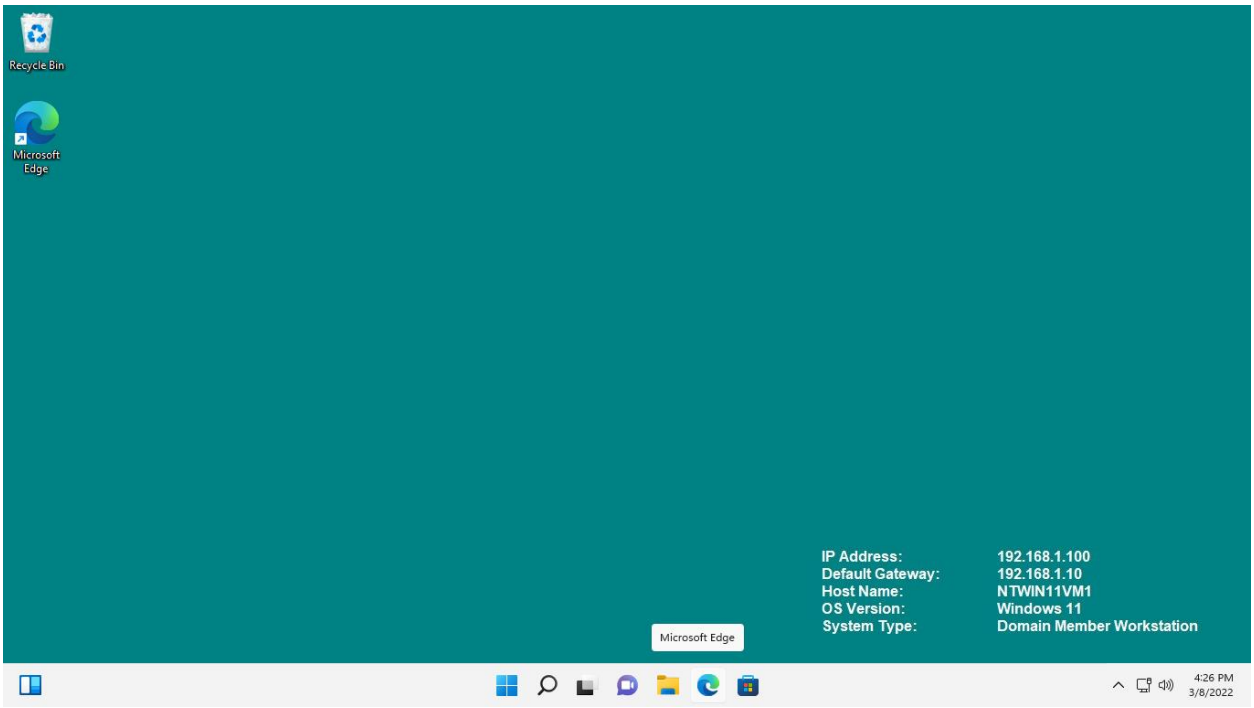
By default, the Windows Update service in Windows 11 is configured to manual update mode.

Now let’s, download RSAT and install it on a lab device.

Step 1:

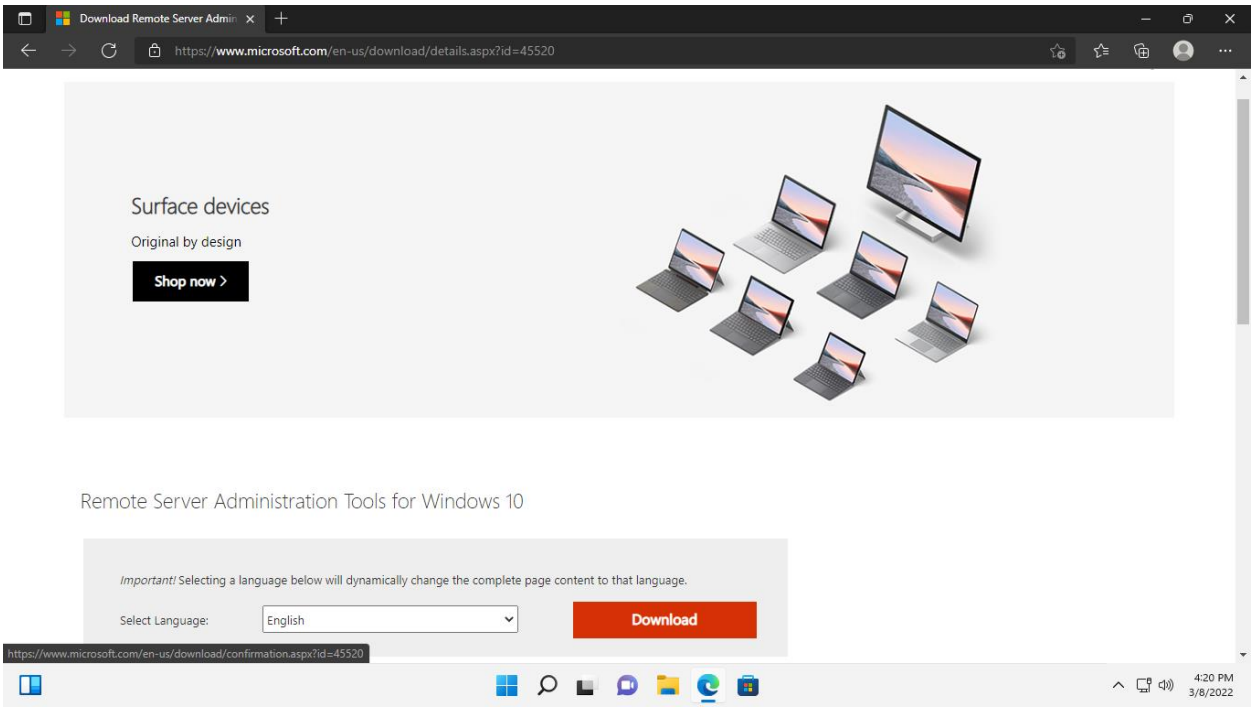
Connect to **NTWIN11VM1**.

Click **Microsoft Edge** on the **Taskbar.**



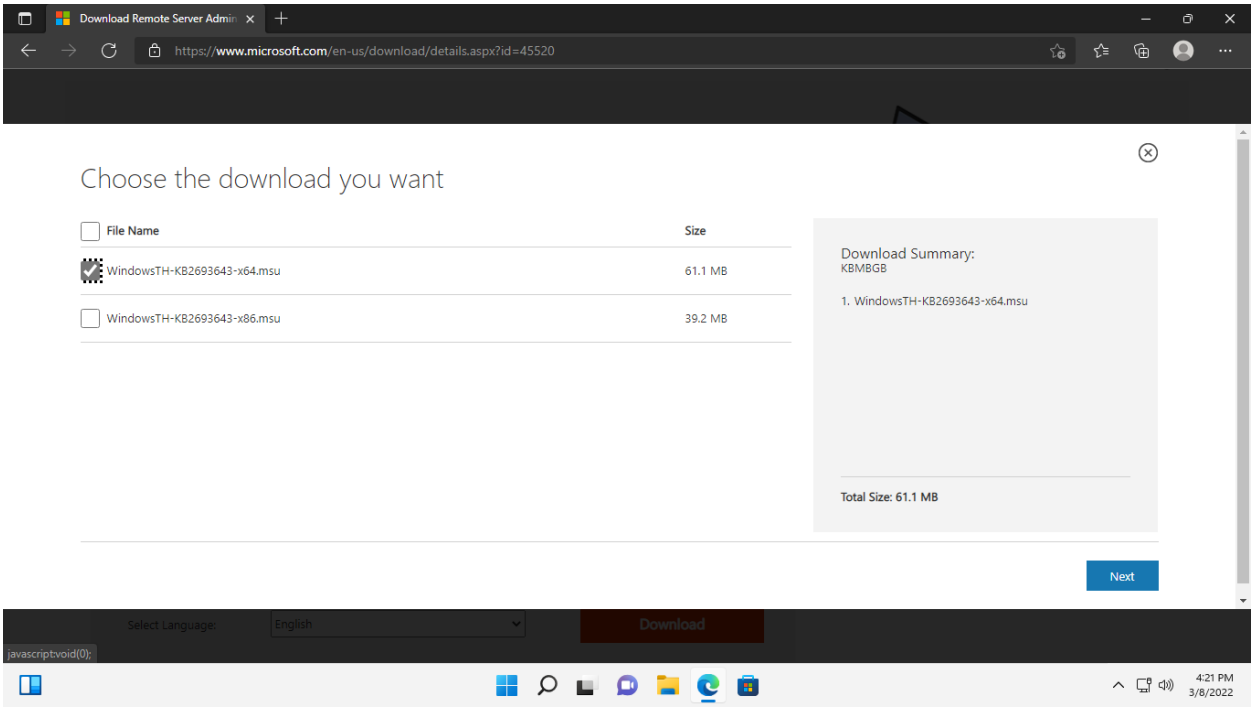
Step 2:

Go to the **Microsoft RSAT** download page, Click **Download**



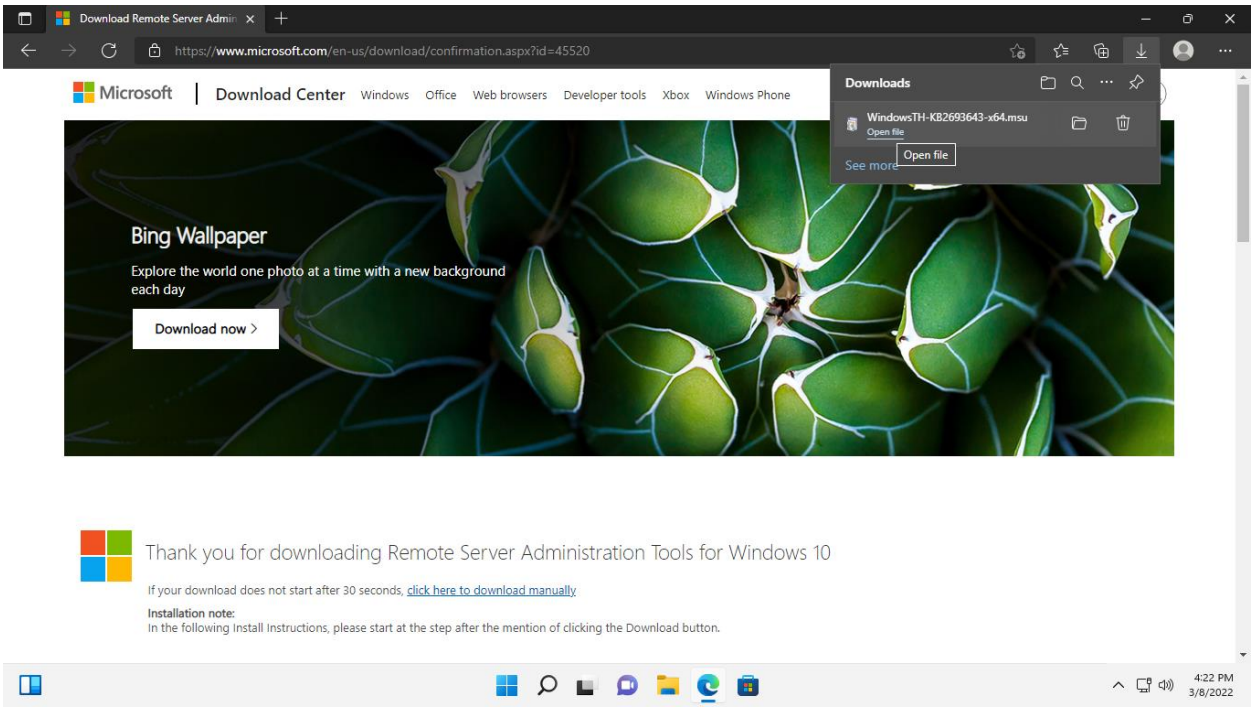
Step 3:

Select 64bit and click **Next.**



Step 4:

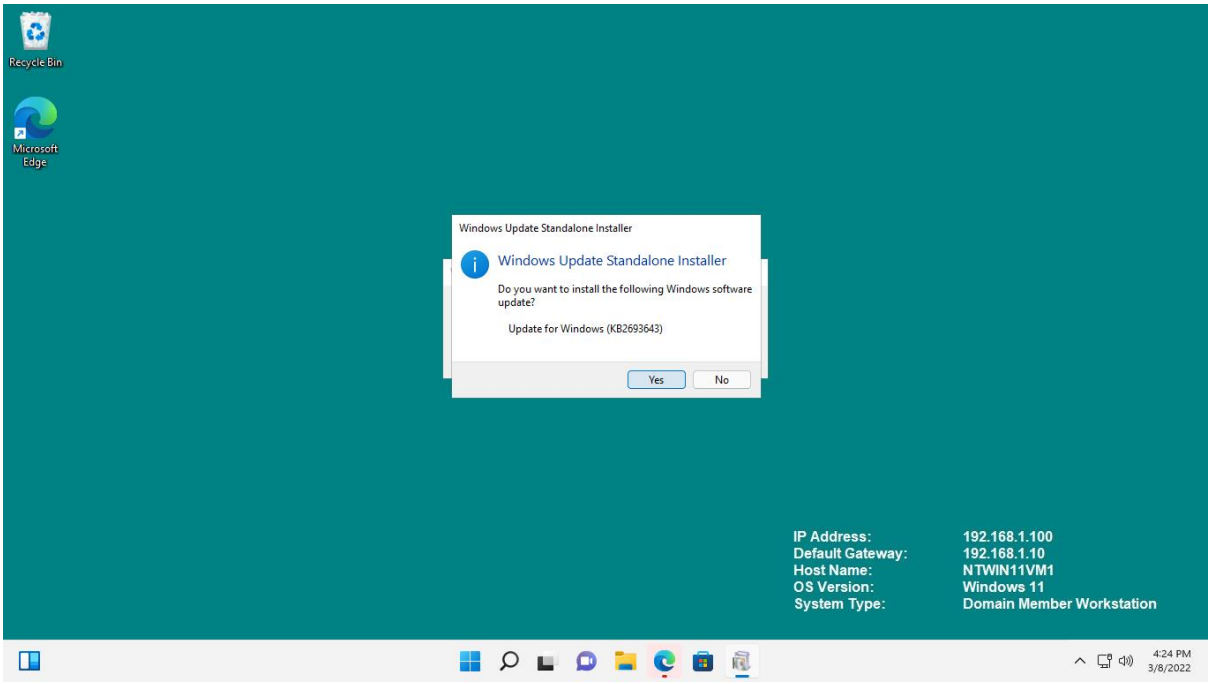
Once the download is complete, click **Open file**.



Step 5:

Please wait while a search is being done on the computer about installed updates.

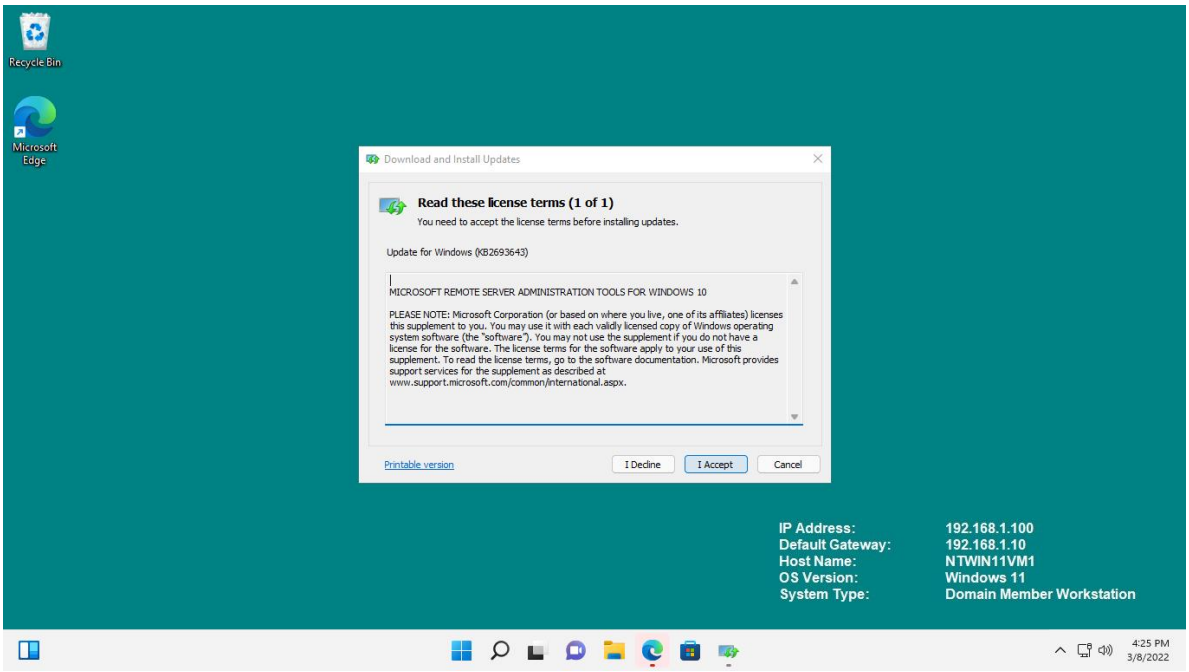
On the **Windows Update Standalone Installer** message box, click **Yes**.



Step 6:

Please wait while the files are being downloaded and copied.

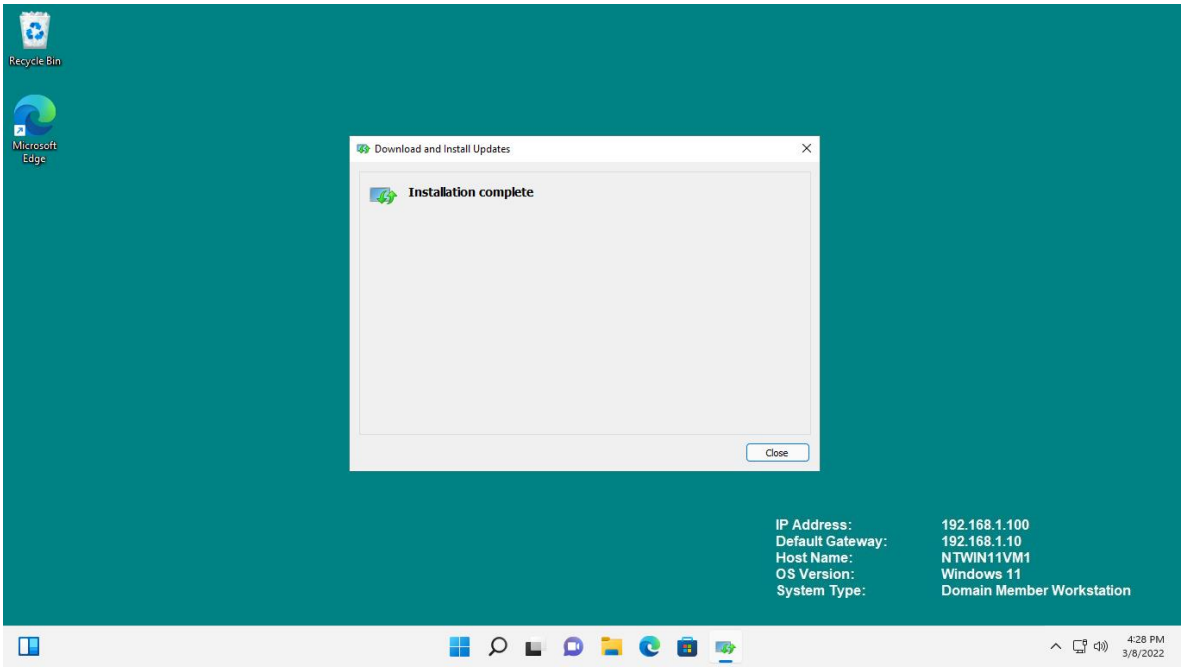
On the **Download and Install Updates - Read these license terms (1 of 1)** click I **Accept**



Step 7:

Please wait a few minutes while the updates are installed.

When the **Installation complete** message is displayed, click **Close.**



Task 2: Verify Functionality of Administrative Tools

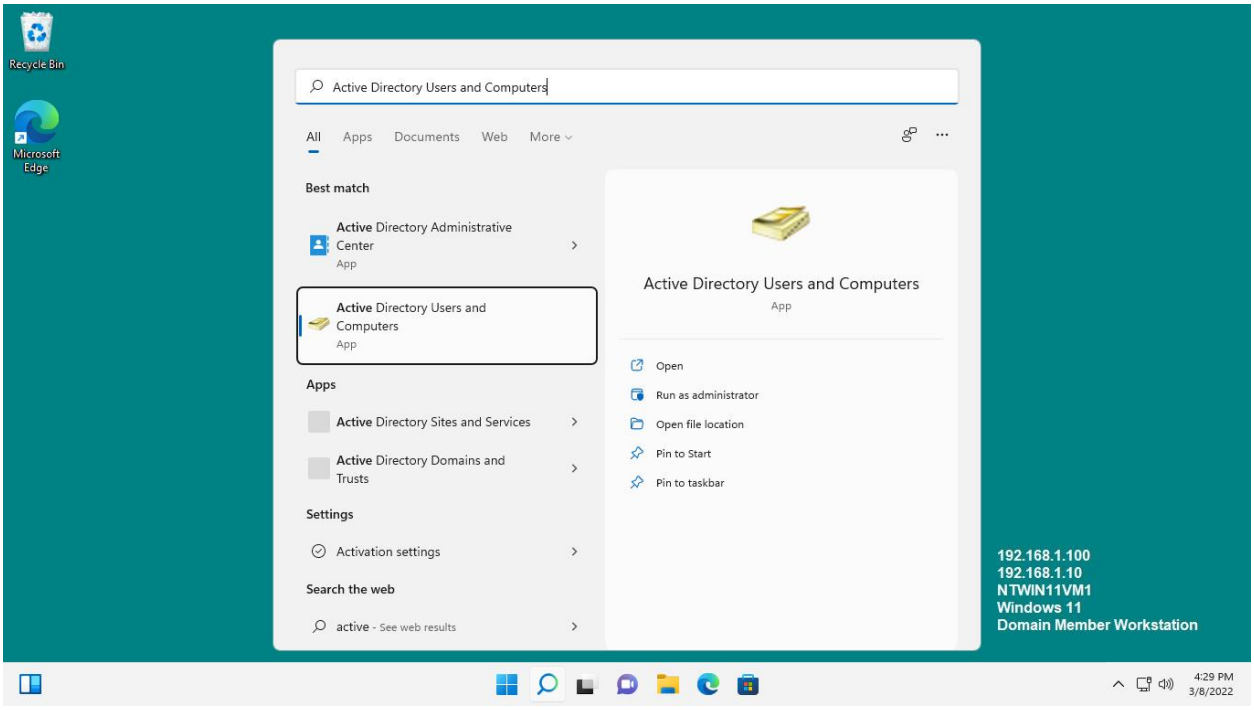
You will now verify that you can now remotely administer the networktute.com domain from a Windows 11 PC after installing RSAT.

In this task, we will access the RSAT on NTWIN11VM1 and remotely create a user on the networktute.com domain.

Step 1:

Ensure you are connected to **NTWIN11VM1.**

Click the Start icon, then scroll down and expand **Windows Administrative Tools** and click **Active Directory Users and Computers.**

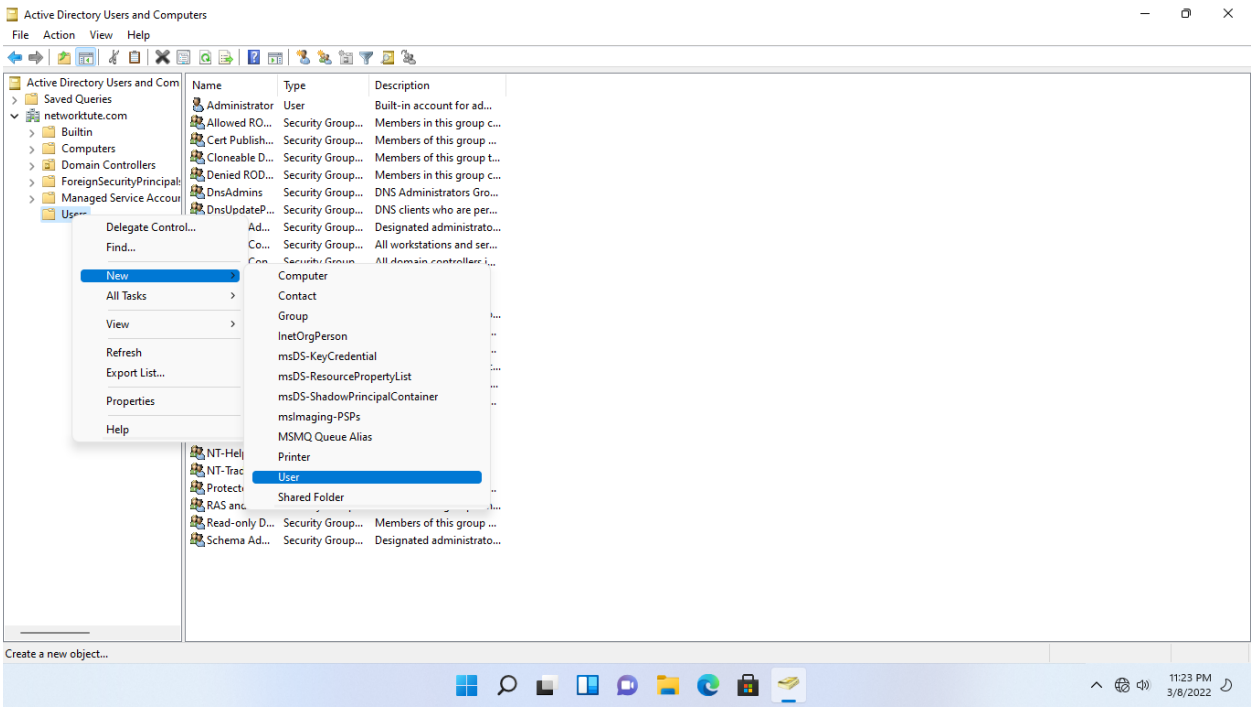


Step 2:

The **Active Directory Users and Computers** snap-in is displayed listing the **networktute.com** domain available for administration. This confirms that remote administration of the domain network is now enabled on the server.

Expand the **networktute.com** domain and click the **Users** organizational unit.

Right-click **Users**, select **New > User**.

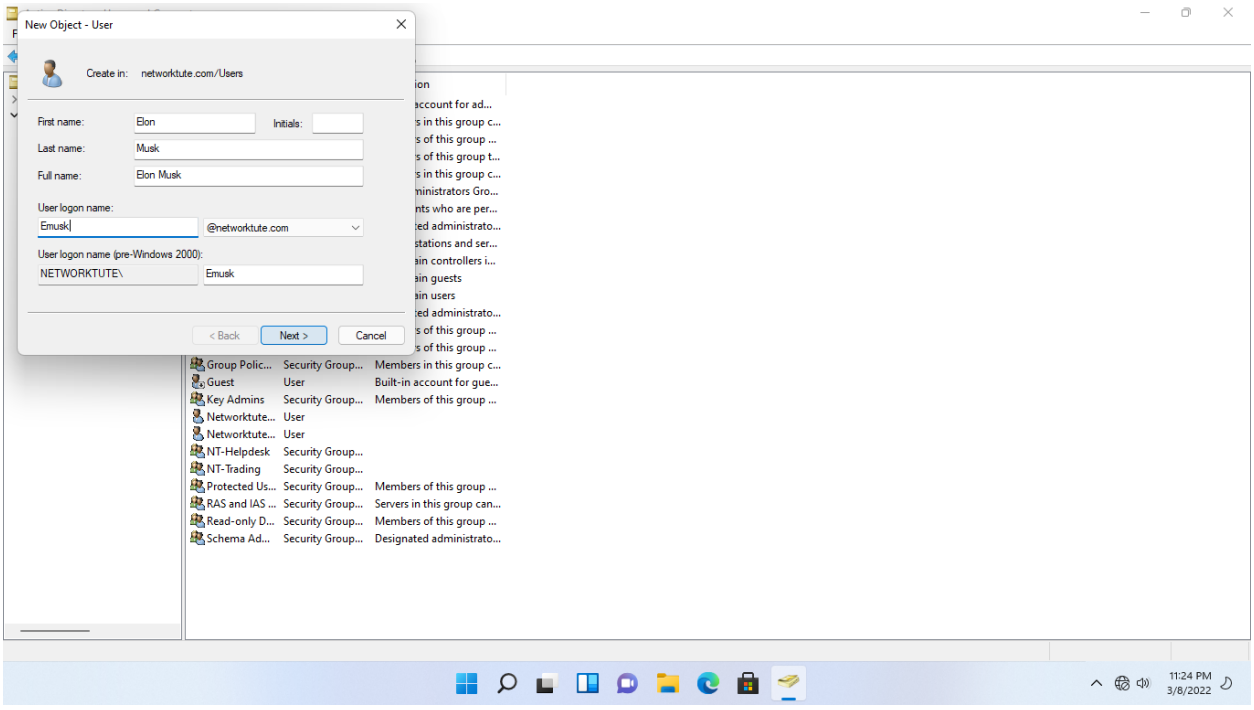


Step 3:

On the New Object - User dialog box, in the First name box, type: ***Elon***

In the Last name box, type: ***Musk***

In the User logon name box, type: ***Emusk*** Click **Next**.

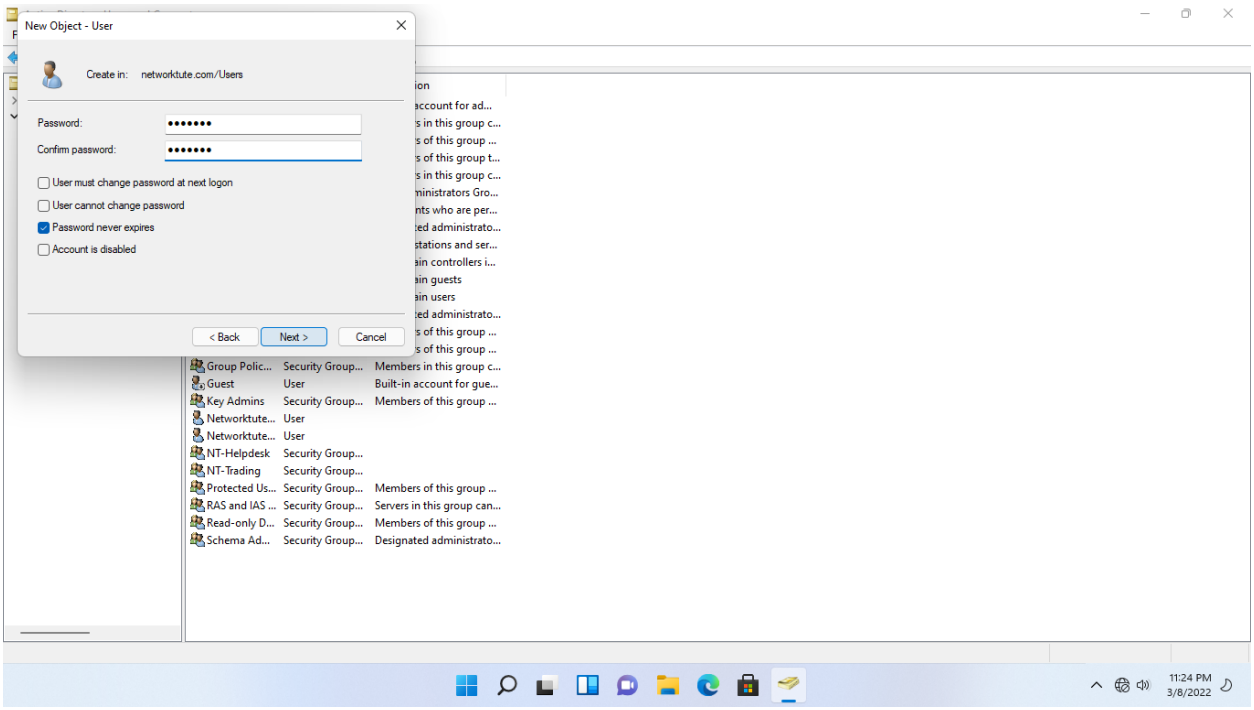


Step 4:

In the **Password** and **Confirm password** text boxes, type: ***networktute@1***

Untick the **User must change password at next logon** box.

Tick the **Password never expires** box. Click **Next**.



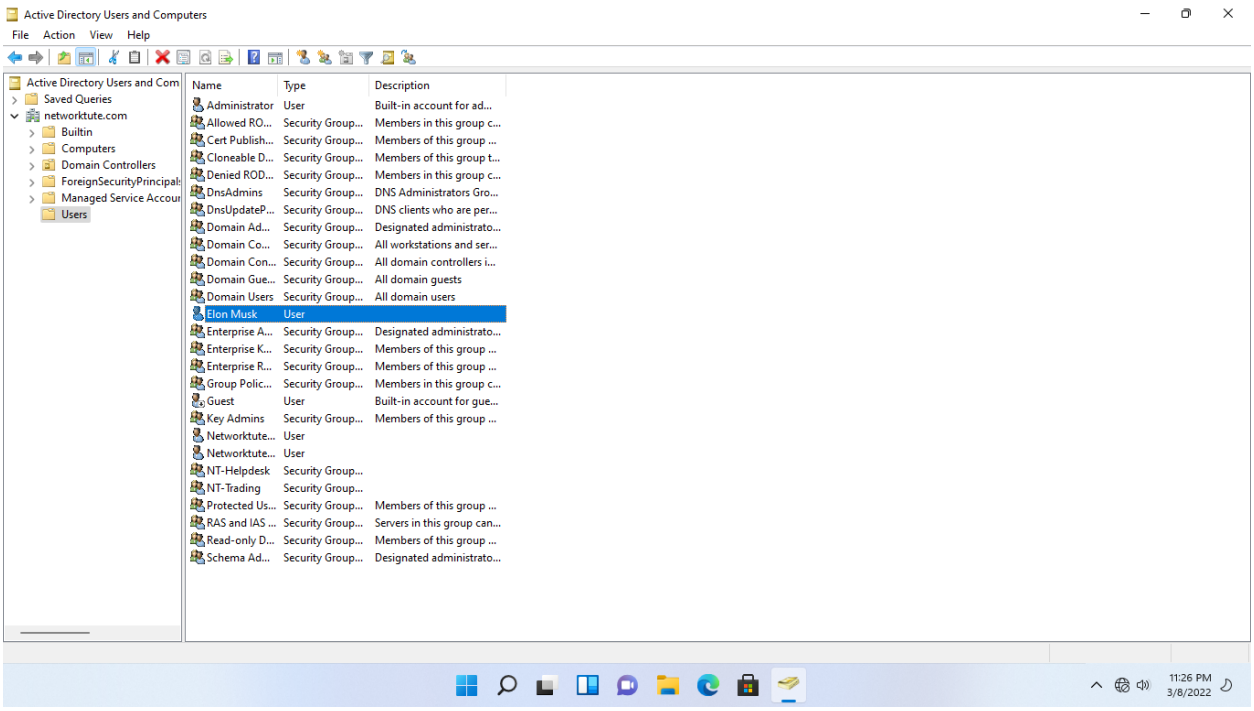
Step 5:

On the **New Object-User** dialog box, a summary of the new user object is displayed.

Click **Finish**.

Back on the **Active Directory Users and Computers** console, click **networktute.com > Users**. Notice that the newly created user is now listed on the details pane at the right.

This confirms that the new domain user account is now remotely created on the **networktute.com** lab domain using **RSAT** installed on **NTWIN11VM1**.


Active Directory Users and Computers
File Action View Help
Active Directory Users and Com
Saved Queries
networktute.com
Builtin
Computers
Domain Controllers
ForeignSecurityPrincipals
Managed Service Accour
Users
Name Type Description
Administrator User Built-in account for ad...
Allowed RO... Security Group... Members in this group c...
Cert Publish... Security Group... Members of this group ...
Cloneable D... Security Group... Members of this group t...
Denied ROD... Security Group... Members in this group c...
DnsAdmins Security Group... DNS Administrators Gro...
DnsUpdateP... Security Group... DNS clients who are per...
Domain Ad... Security Group... Designated administrato...
Domain Co... Security Group... All workstations and ser...
Domain Con... Security Group... All domain controllers i...
Domain Gue... Security Group... All domain guests
Domain Users Security Group... All domain users
Elon Musk User
Enterprise A... Security Group... Designated administrato...
Enterprise K... Security Group... Members of this group ...
Enterprise R... Security Group... Members of this group ...
Group Polic... Security Group... Members in this group c...
Guest User Built-in account for gue...
Key Admins Security Group... Members of this group ...
Networktute... User
Networktute... User
NT-Helpdesk Security Group...
NT-Trading Security Group...
Protected Us... Security Group... Members of this group ...
RAS and IAS ... Security Group... Servers in this group can...
Read-only D... Security Group... Members of this group ...
Schema Ad... Security Group... Designated administrato...
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