



# How to Install Remote Desktop Services on Windows Server 2022

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Remote Desktop Services (RDS) is an essential component for organizations that need centralized desktop and application access. Installing RDS on Windows Server 2022 provides a robust and secure environment for remote work and collaboration. In this guide, we'll walk you through the process of installing and configuring Remote Desktop Services on Windows Server

2022.

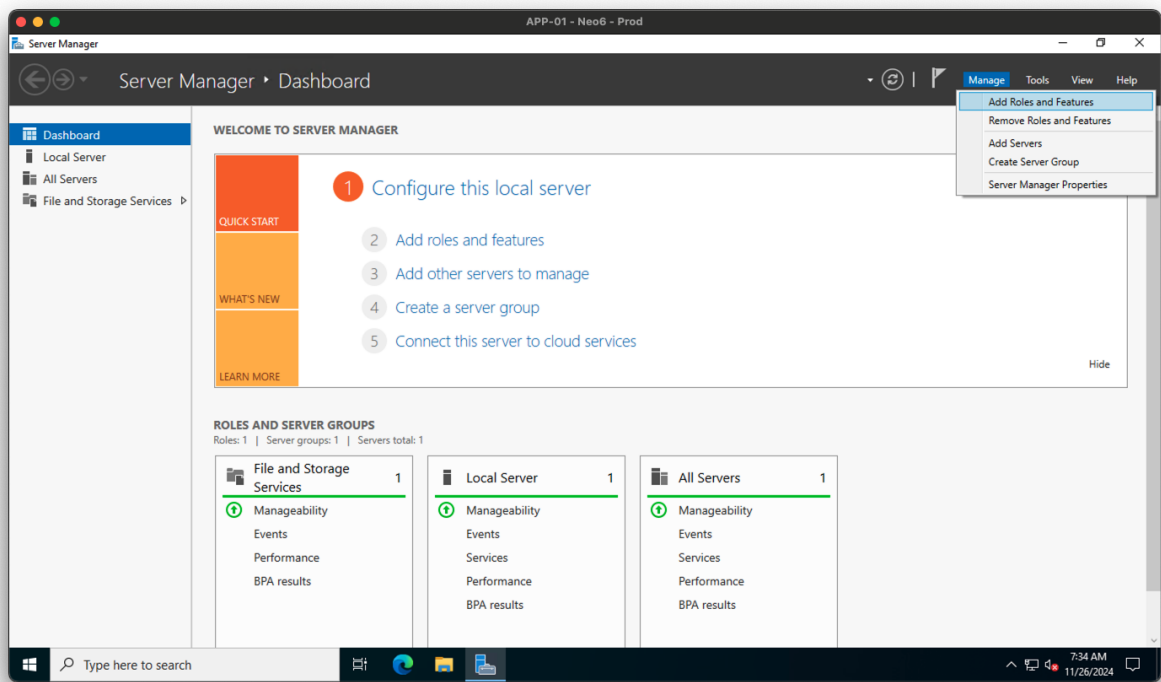
## Prerequisites

Before installing Remote Desktop Services, ensure that your environment meets these requirements:

1. Windows Server 2022 Installation:
  - Ensure your server is running Windows Server 2022 Standard or Datacenter edition.
  - The server should have the latest updates installed.
2. Administrator Rights:
  - You must have administrator privileges on the server to install RDS.
3. Network Configuration:
  - Configure a static IP address on the server for consistency.
4. Active Directory (Optional):
  - If deploying in a domain environment, ensure the server is part of the domain and that you are logged in as a domain administrator.

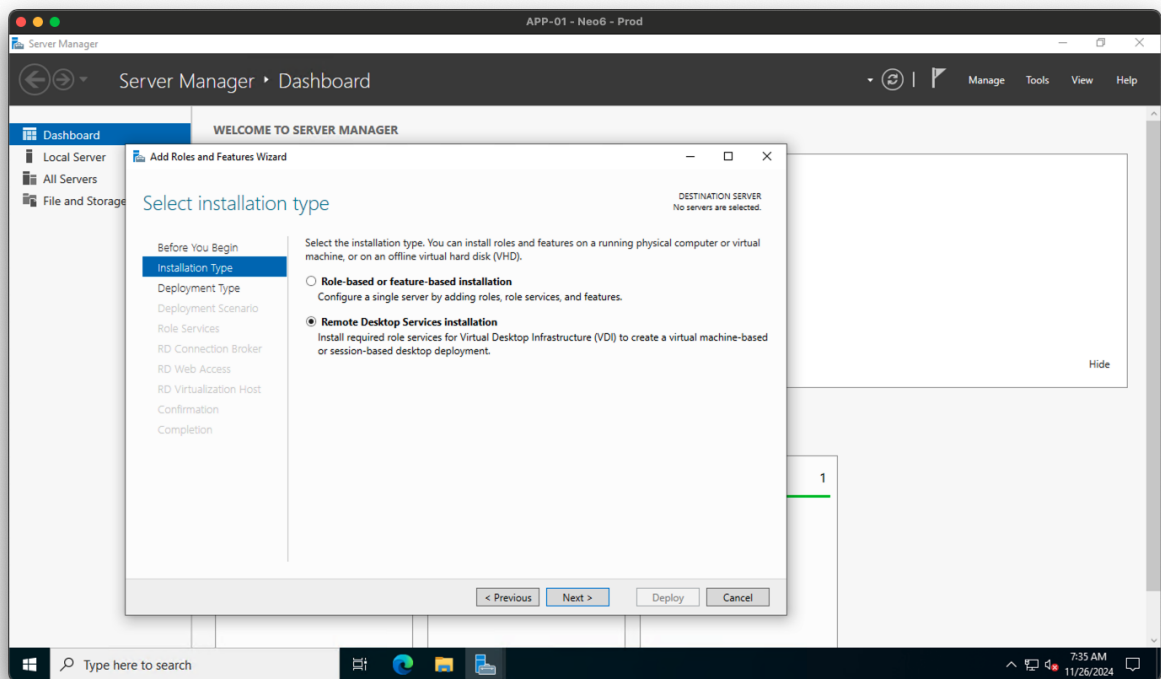
## Step 1: Add the Remote Desktop Services Role

1. Open the **Server Manager**:
  - Click the menu, search for Server Manager, and launch it.
2. Add Roles and Features:
  - In the **Server Manager** Dashboard, click Add roles and features.



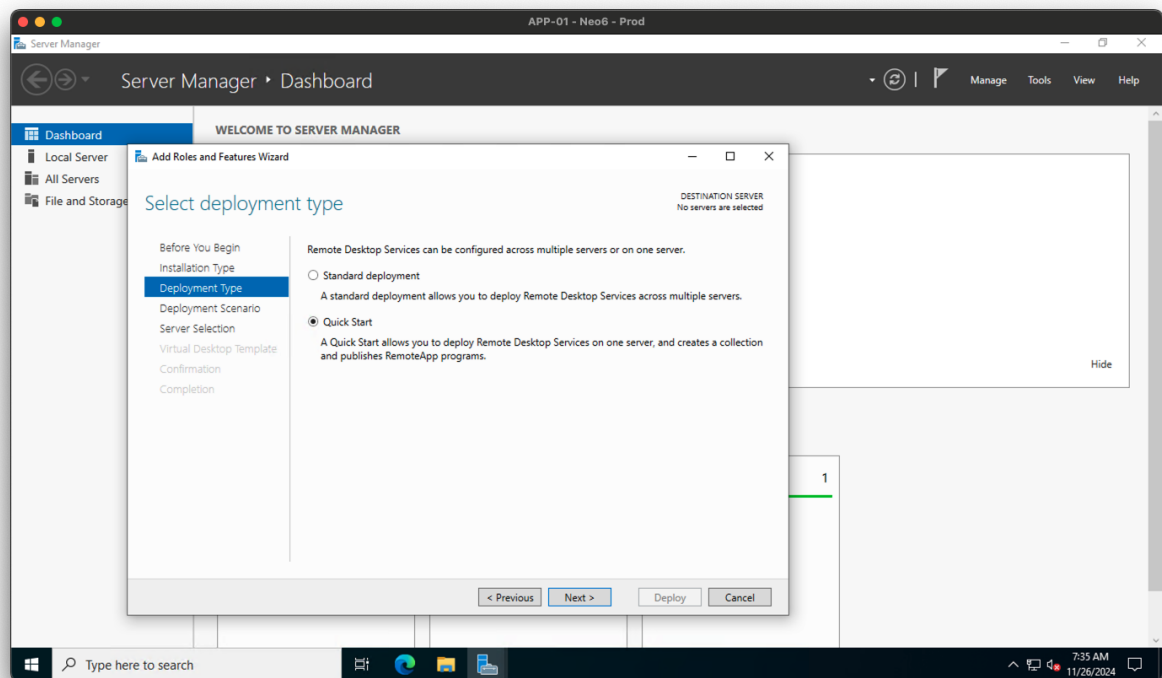
### 3. Choose Installation Type:

- Select Remote Desktop Services installation and click Next.



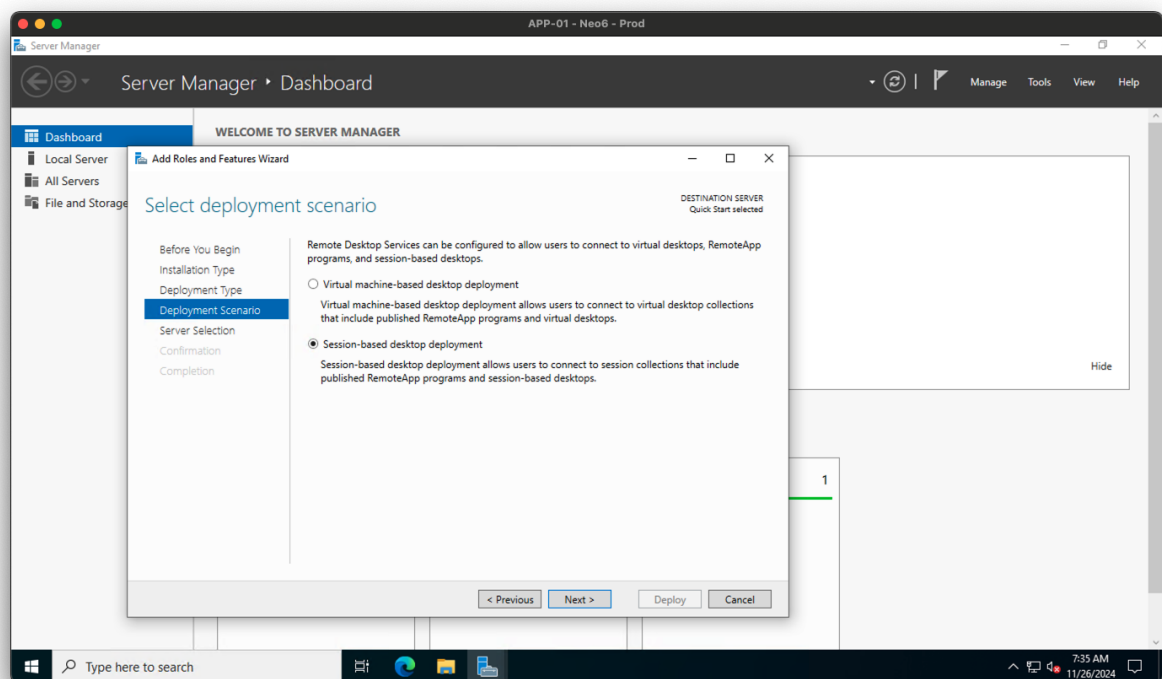
### 4. Choose Deployment Type:

- Select Quick Start and click Next.



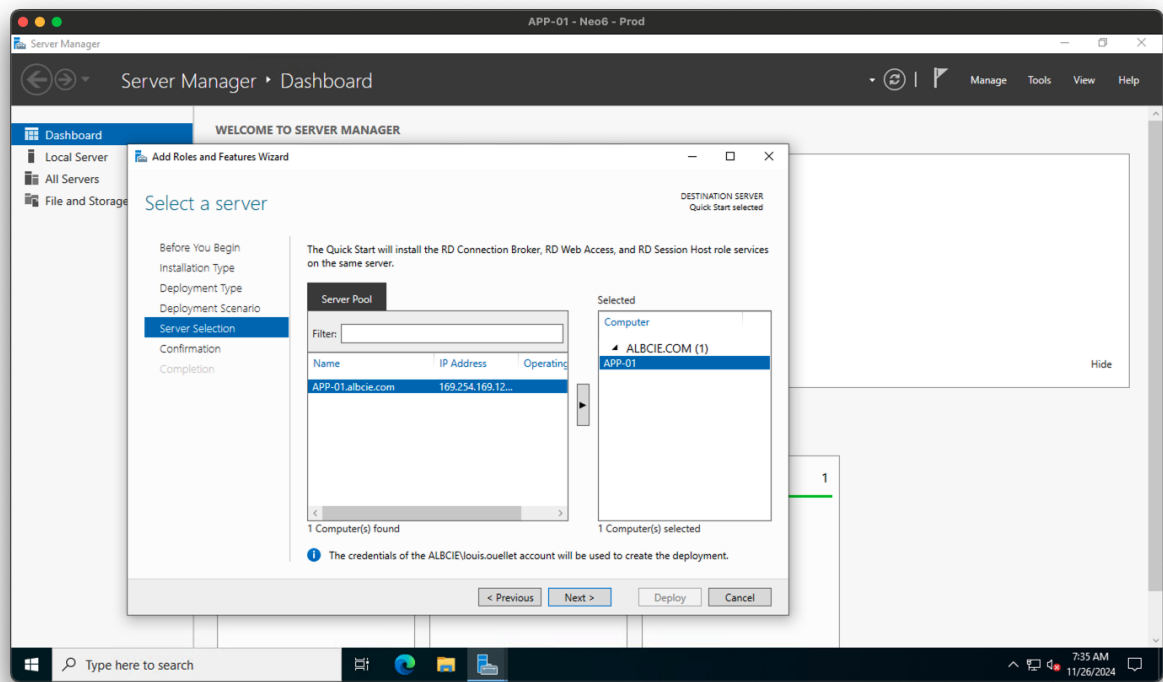
## 5. Choose Deployment Scenario:

- Select Session-based desktop deployment and click Next.



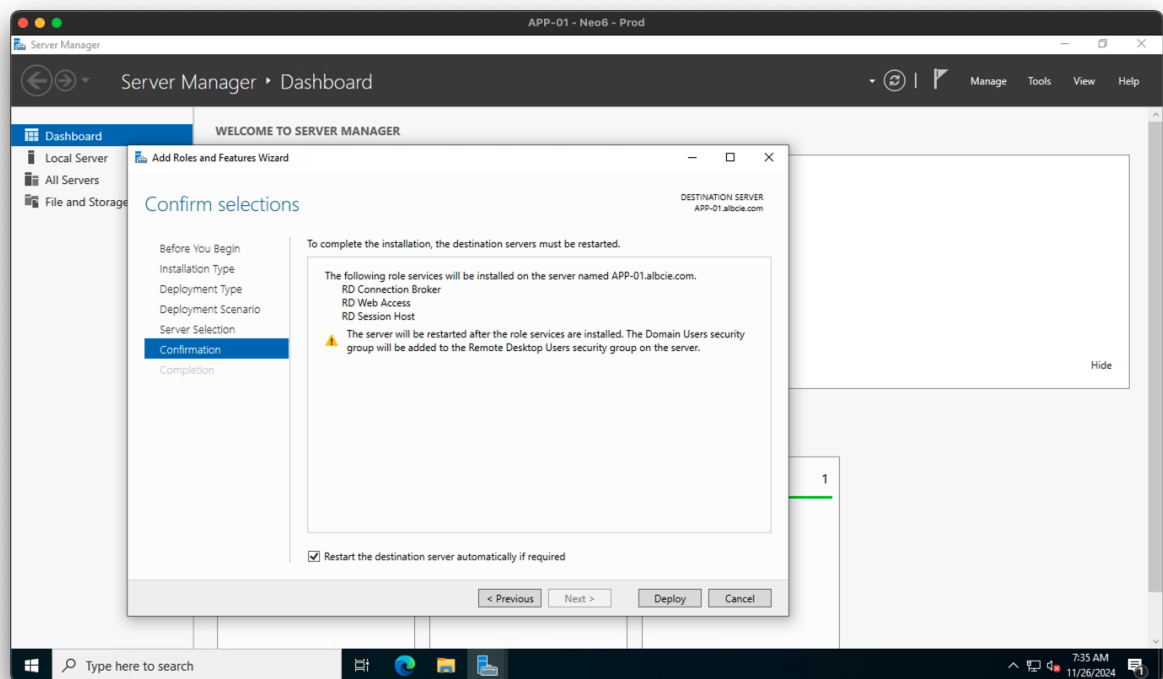
## 6. Select the Destination Server:

- Choose the server you want to configure and click Next.



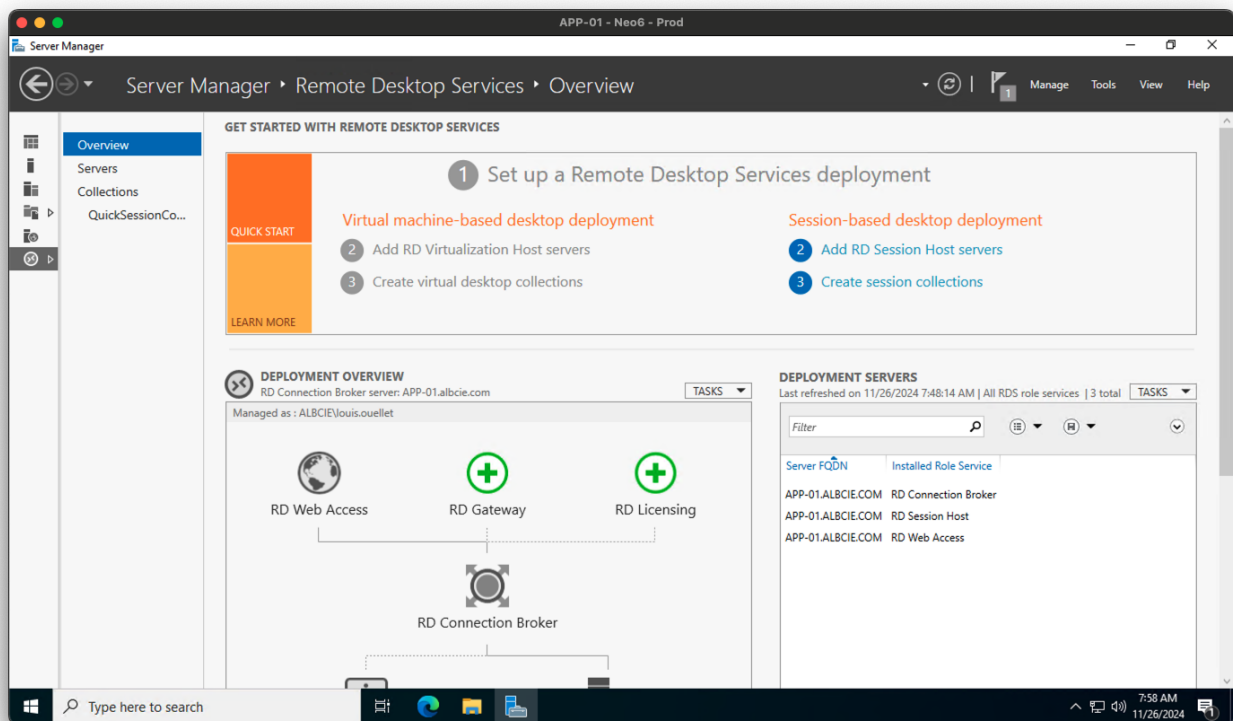
## 7. Confirm Role Services:

- Review the role services, check Restart the destination server automatically if required and click Deploy.



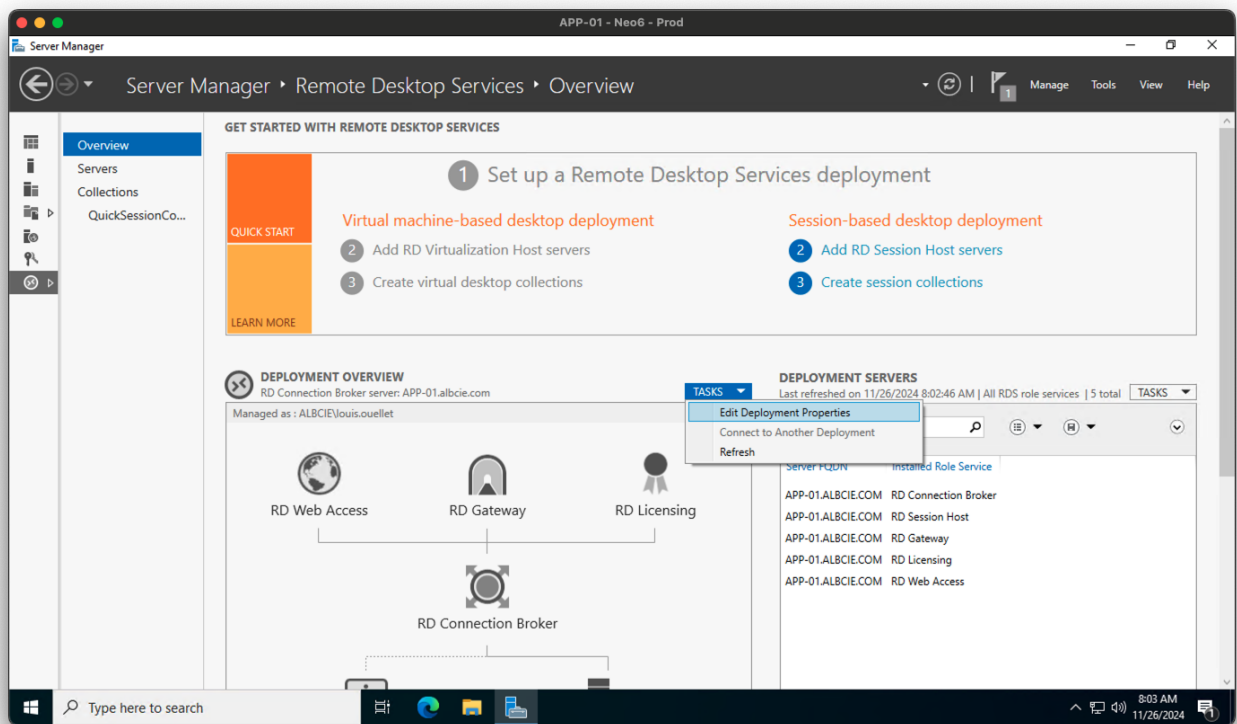
## Step 2: Configure the deployment

1. In the **Server Manager**, navigate to the Remote Desktop Services tab on the left sidebar.



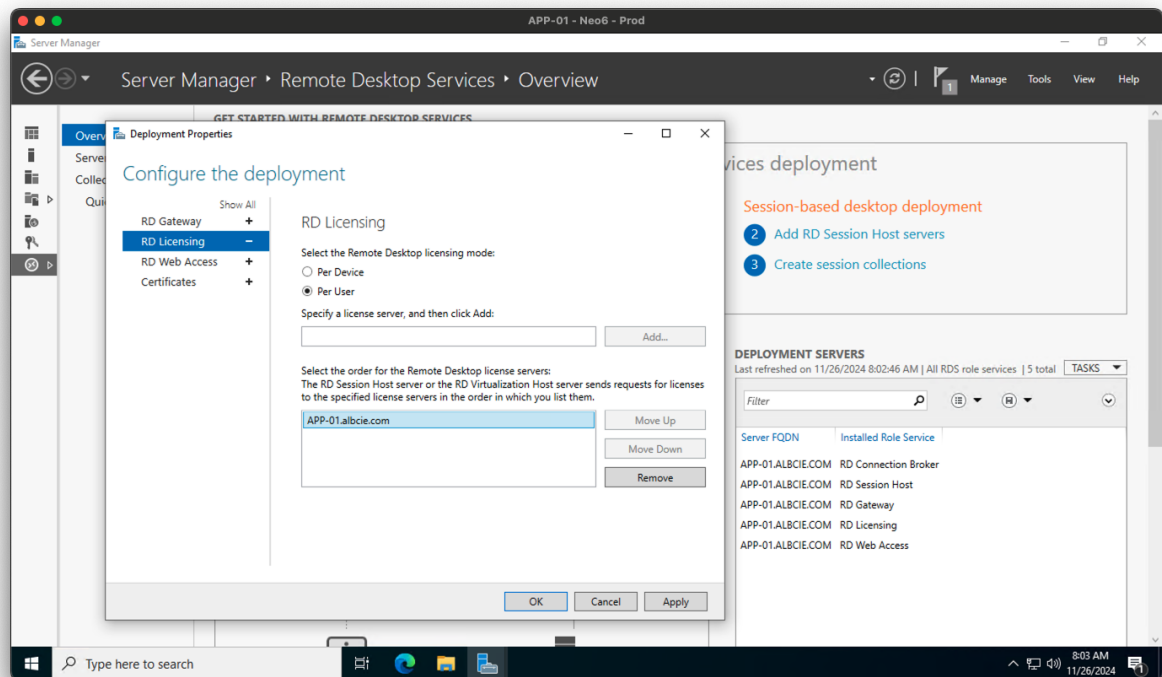
2. Click on Tasks and select Edit Deployment Properties.





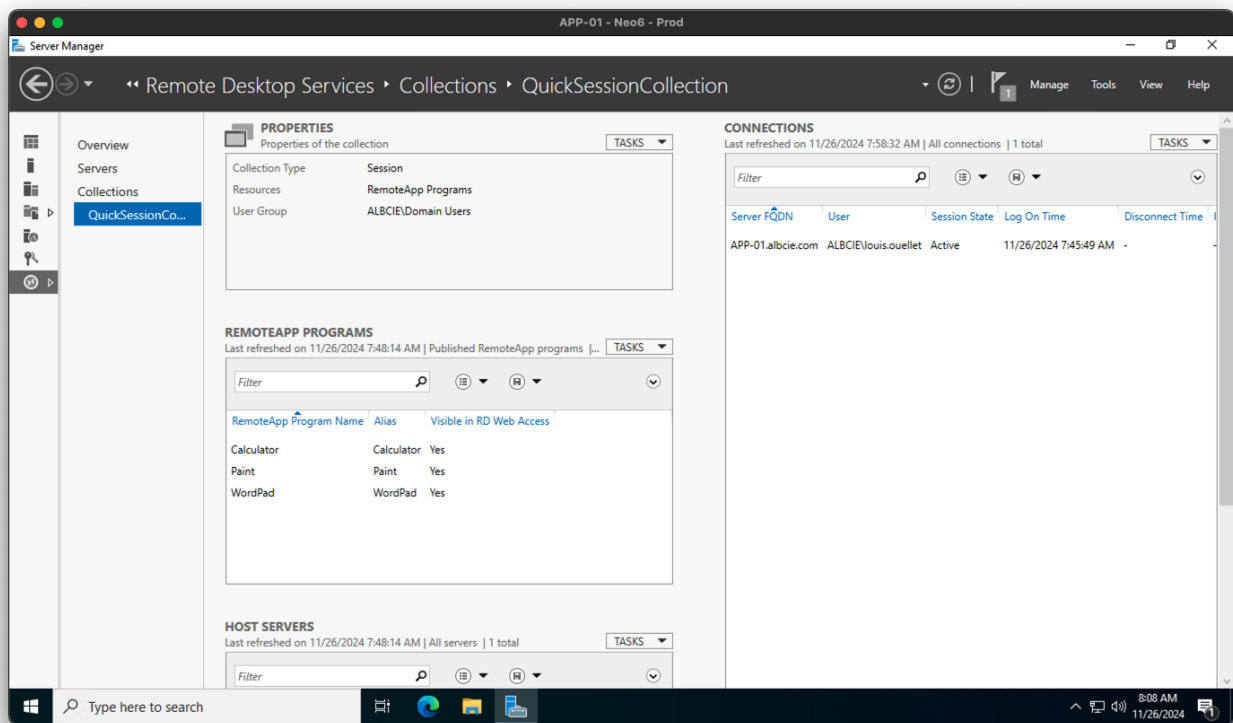
### 3. Configure the Deployment Properties:

- Enter the licensing mode and licensing server details.
- Click OK to save the changes.



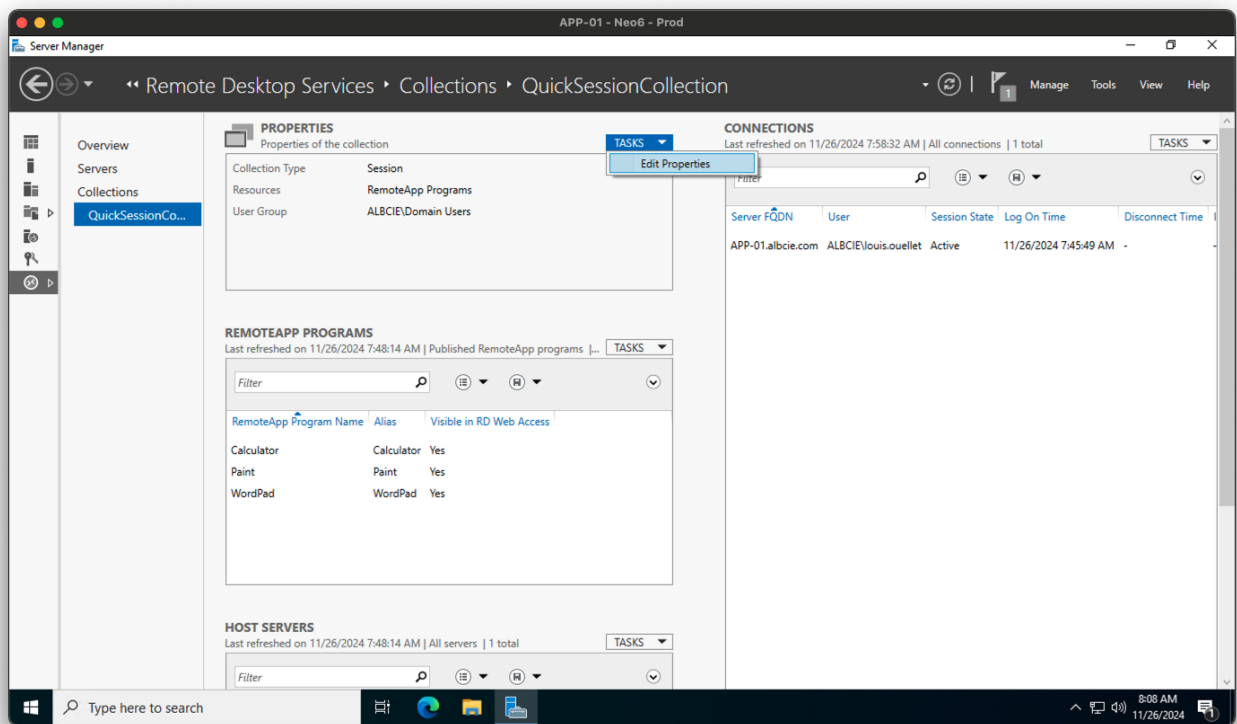
## Step 3: Configure the collection

1. In the **Server Manager**, navigate to the QuickSessionCollection tab on the left sidebar.



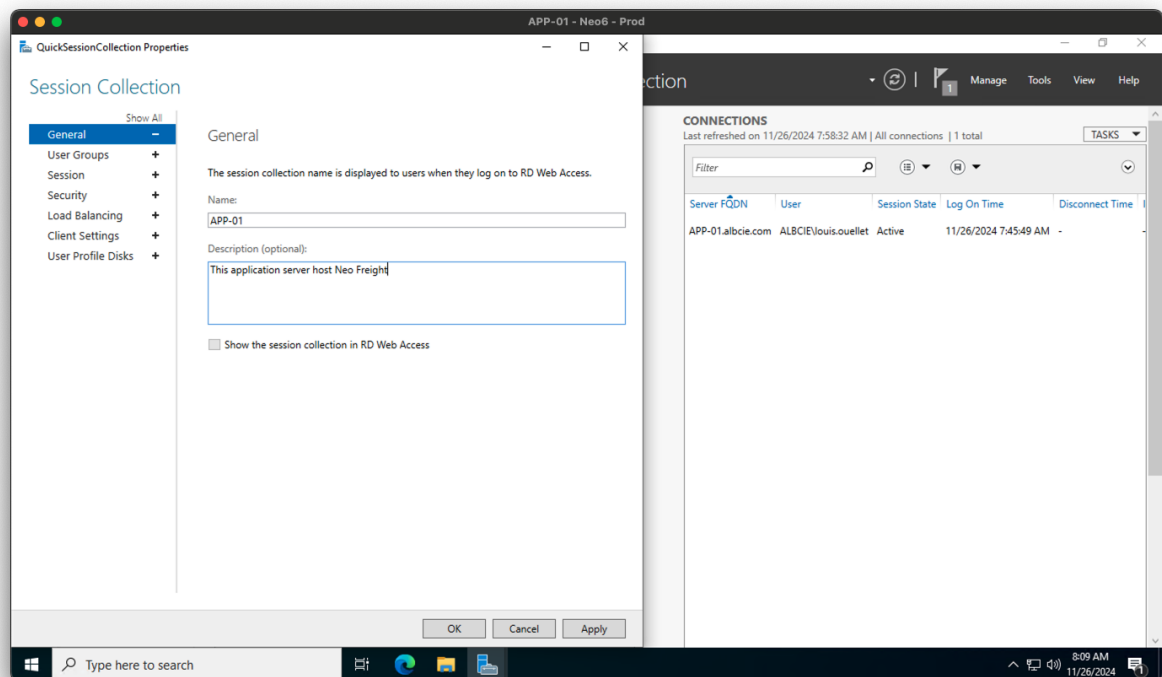
2. Click on Tasks and select Edit Properties.



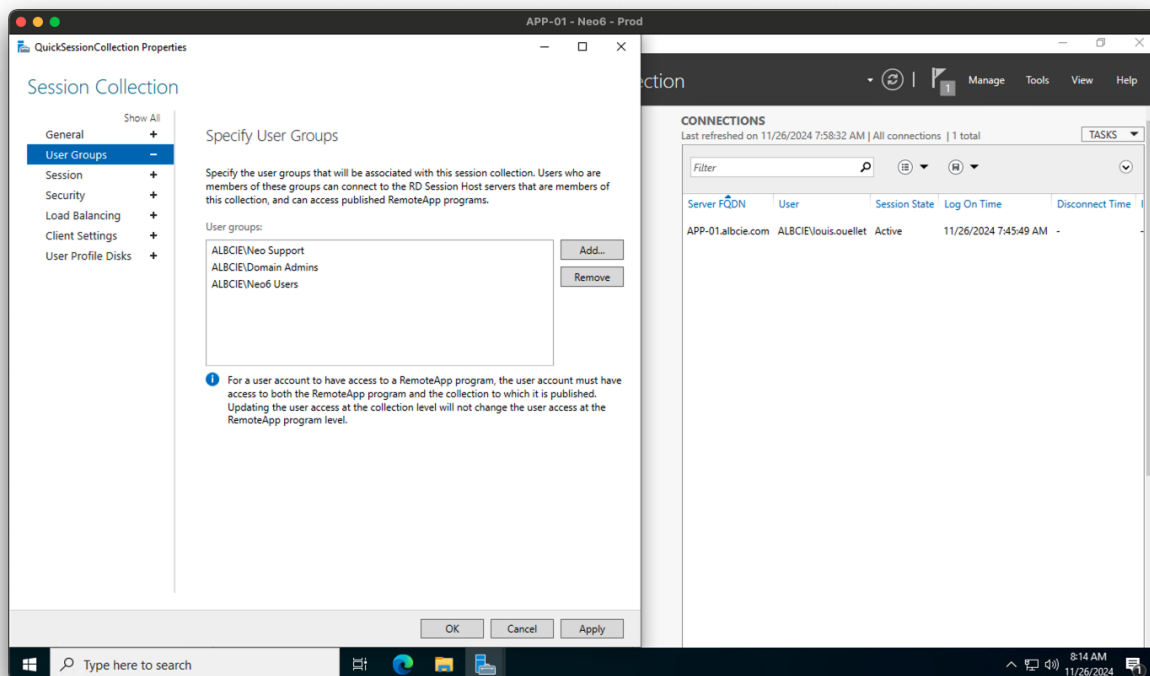


### 3. Configure the Collection Properties:

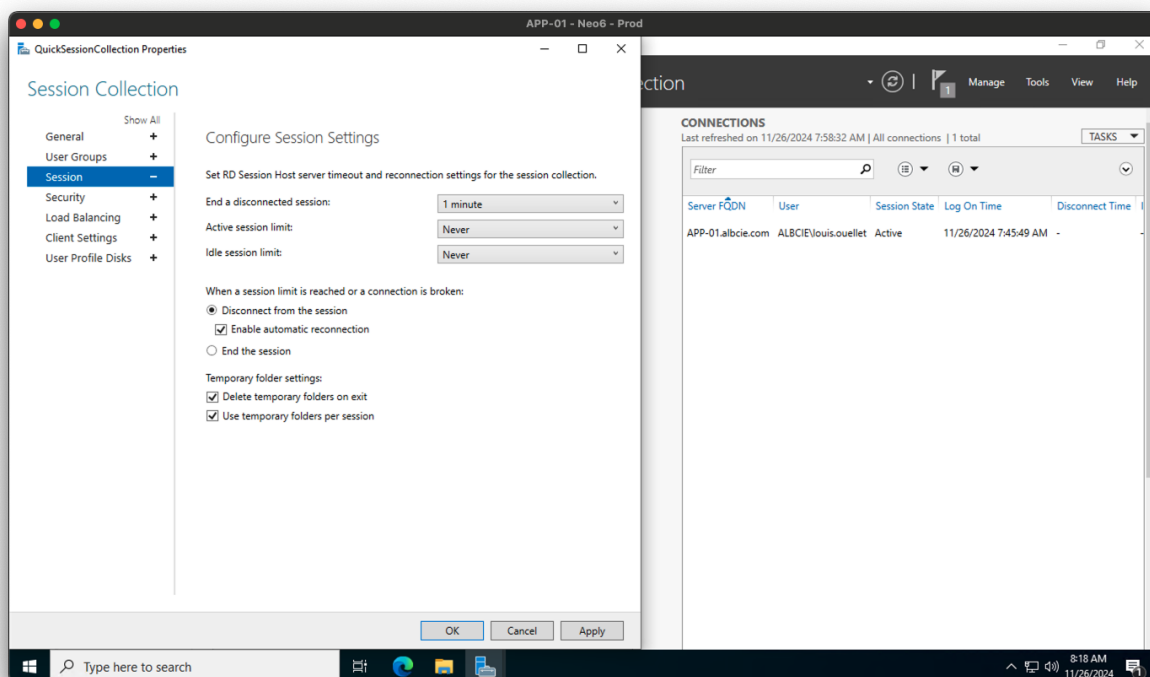
- In the General tab, set the name of the collection.



- In the User Groups tab, add the users or groups that will have access to the collection.



- In the Session tab, configure the session settings as needed.

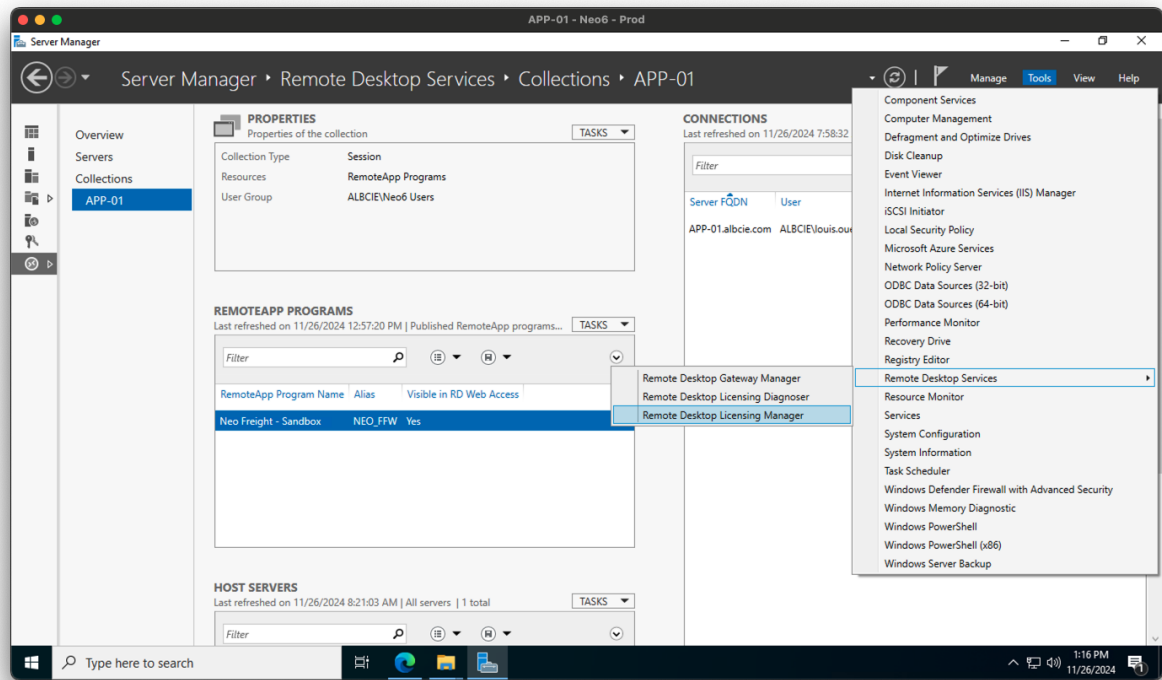


- Click OK to save the changes.

## Step 4: Configure Remote Desktop Licensing

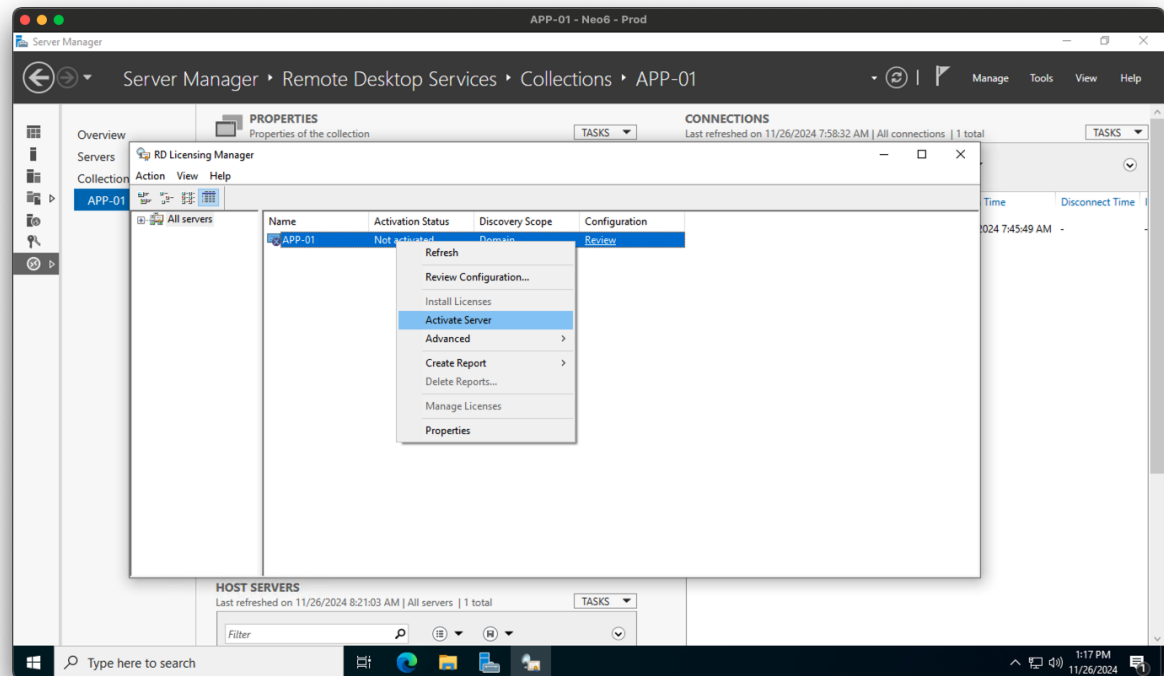
### 1. Launch the RD Licensing Manager:

- In the **Server Manager**, navigate to **Tools > Remote Desktop Services > Remote Desktop Licensing Manager**.



### 2. Activate the License Server:

- Right-click your server name and select **Activate Server**. Follow the wizard to complete activation.



3. Install Licenses:
  - Once activated, install your client access licenses (CALs) via the wizard.

## Step 5: Test the Configuration

1. From a client machine, launch the Remote Desktop Connection application.
2. Enter the server's IP address or hostname and click Connect.
3. Log in with a user account that has remote access permissions.

### Optional: Configure Remote Desktop Gateway



For secure remote access over the internet, consider setting up an RD Gateway:

1. Add the Remote Desktop Gateway role service.
2. Configure the gateway settings in the RD Gateway Manager.
3. Ensure the server has a valid SSL certificate for secure connections.



## Troubleshooting Tips



- Port Configuration: Ensure port 3389 (RDP) is open on the firewall.
- Network Policies: Check your network policies if remote connections are blocked.
- Session Limits: Adjust session limits in Remote Desktop Session Host Configuration to match your needs.

## Conclusion

Installing and configuring Remote Desktop Services on Windows Server 2022 is a straightforward process that significantly enhances your organization's remote access capabilities. By following this guide, you can set up a secure and scalable RDS environment, whether for application hosting, remote work, or centralized management.

Have questions or need assistance? Leave a comment below or reach out to our support team for personalized help!

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