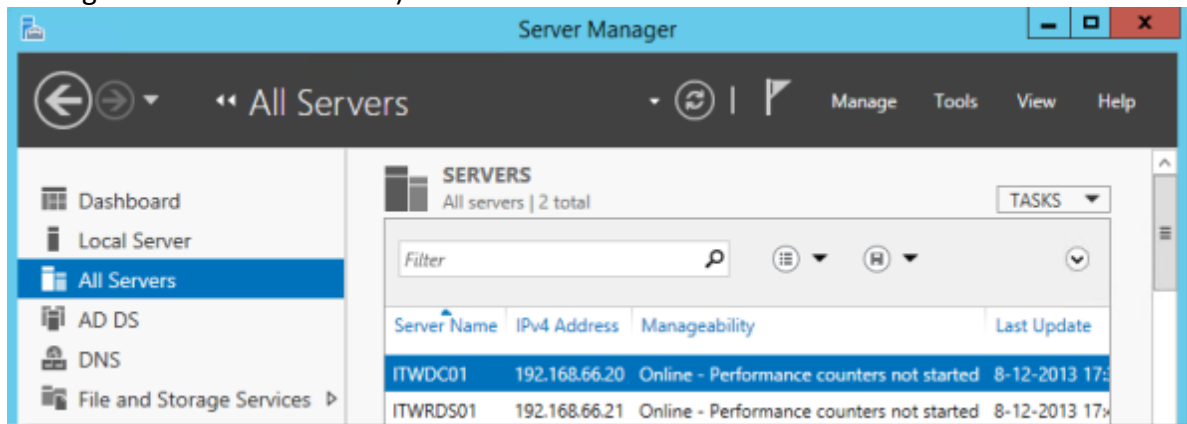


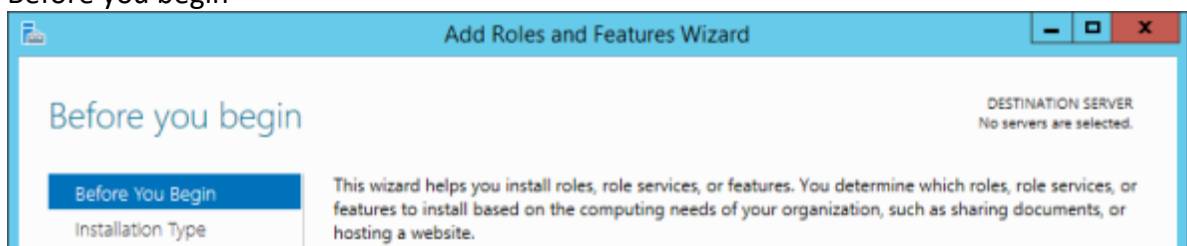
## Installing the Remote Desktop Services Roles on Windows Server 2012

Log on to the Domain Controller, and in Server Manager right-click the All-Servers node and add the second server using the Add Servers command (or select the All-Servers node, click Manage and click Add Servers).



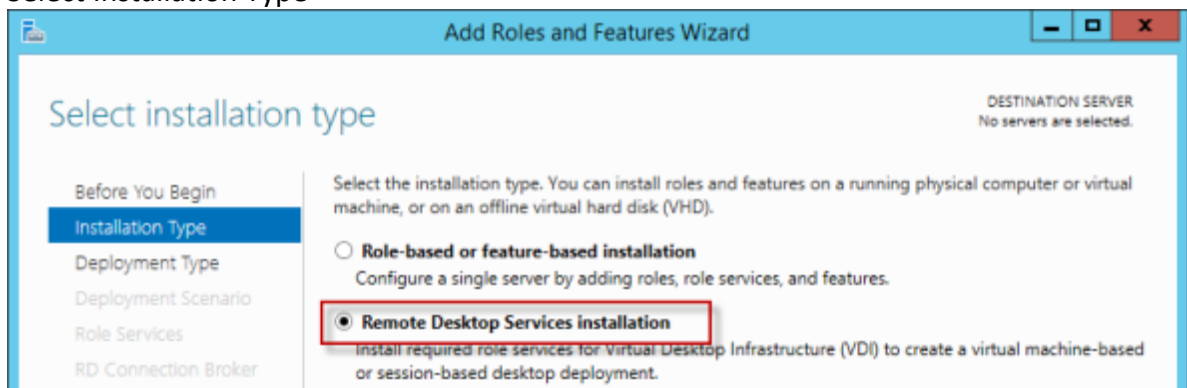
Now that all servers needed in this deployment scenario are present, click Manage, and click Add Roles & Features.

Before you begin



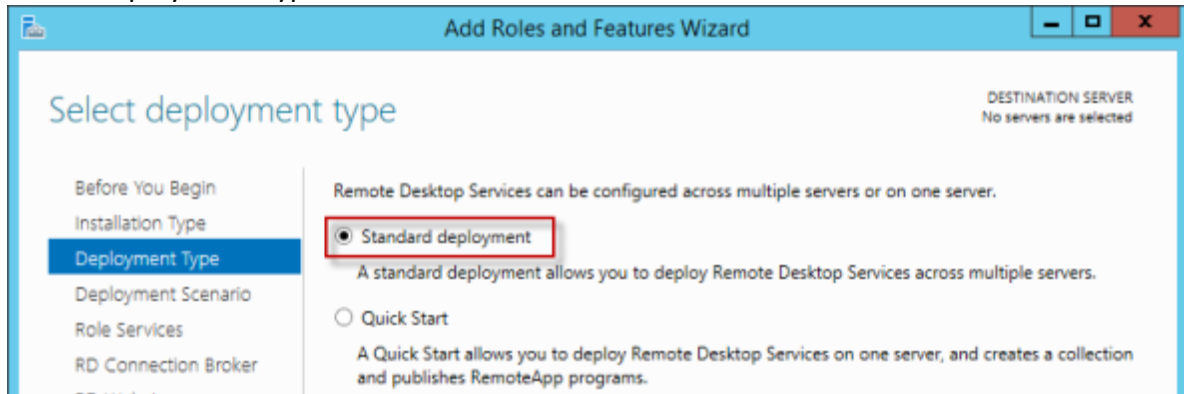
Click Next.

Select Installation Type



Select Remote Desktop Services installation. Click Next.

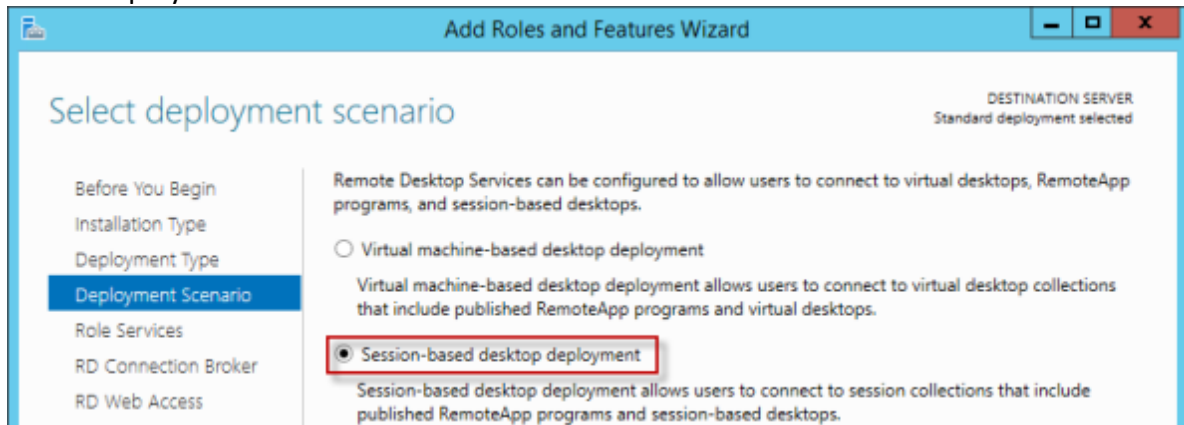
## Select Deployment Type



Although Quick Start might be a valid option for a single server deployment, leave the default selected. This will explain the steps necessary to install Remote Desktop Services in greater detail.

Click Next.

## Select Deployment Scenario



Select Session-based desktop deployment. The other option will be a different post in this series.

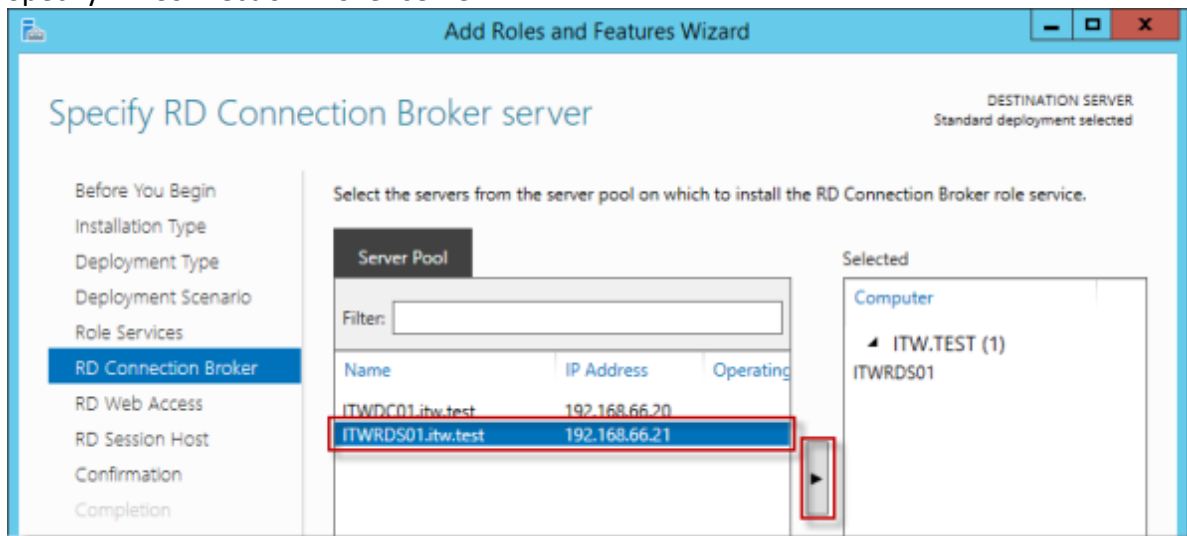
Click Next.

## Review Role Services



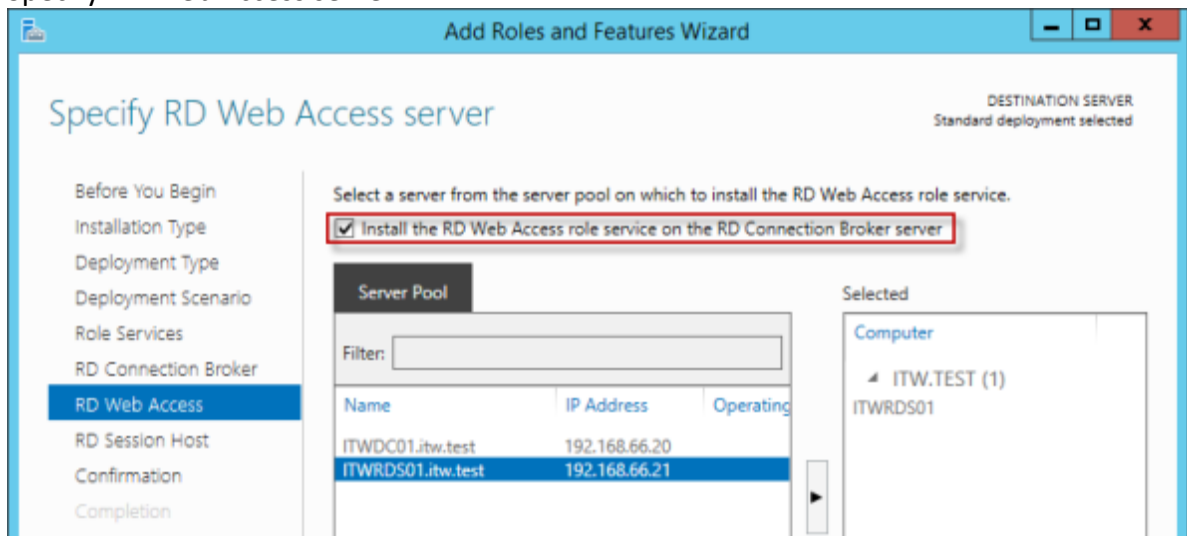
Review the services that will be installed.  
Click Next.

#### Specify RD Connection Broker server



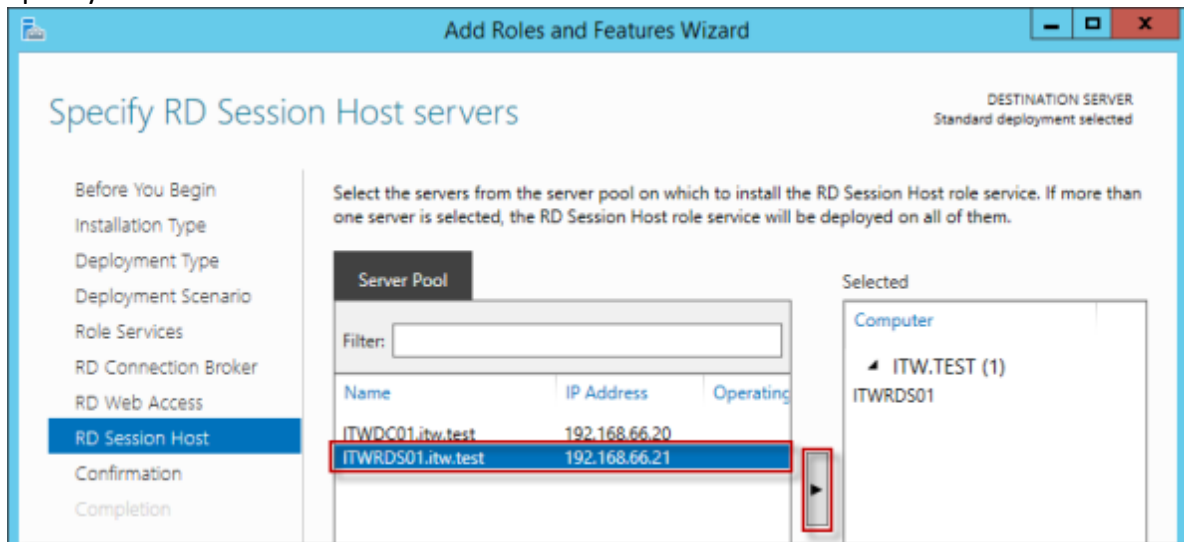
Click the member server and click the Add button.  
Click Next.

#### Specify RD Web Access server



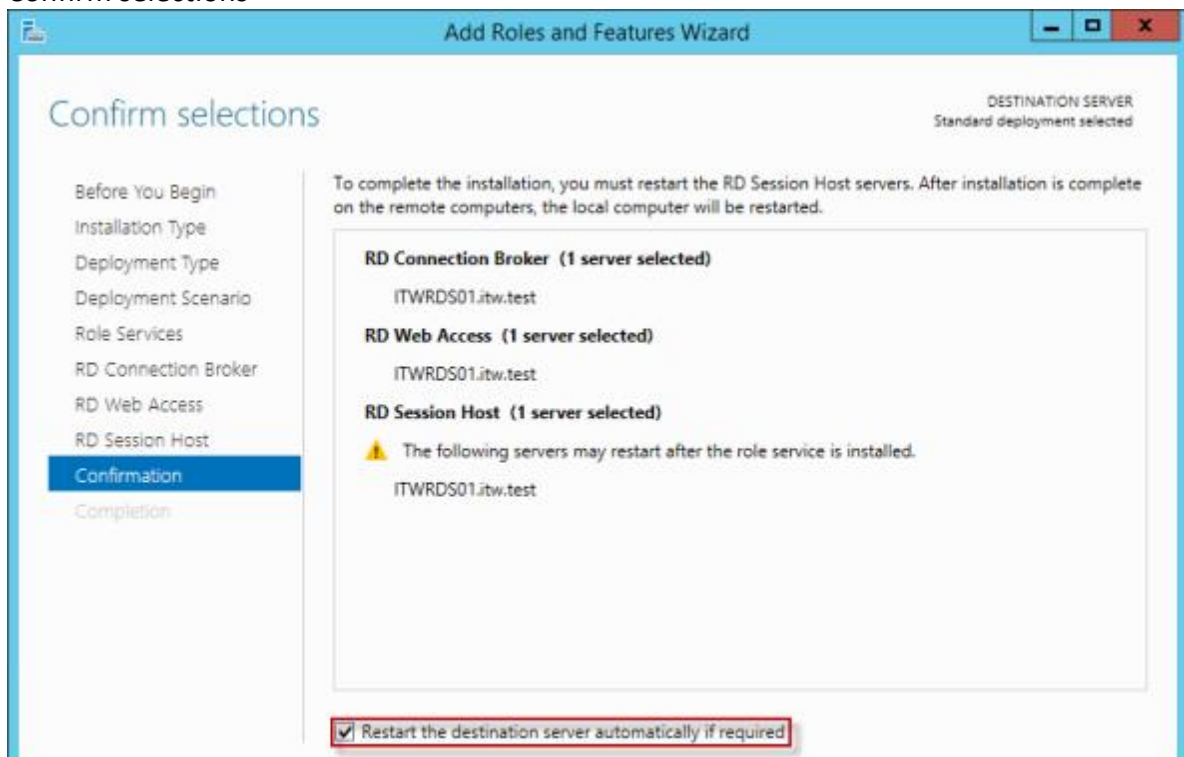
Check Install the RD Web Access role on the RD Connection Broker server.  
Click Next.

## Specify RD Session Host server



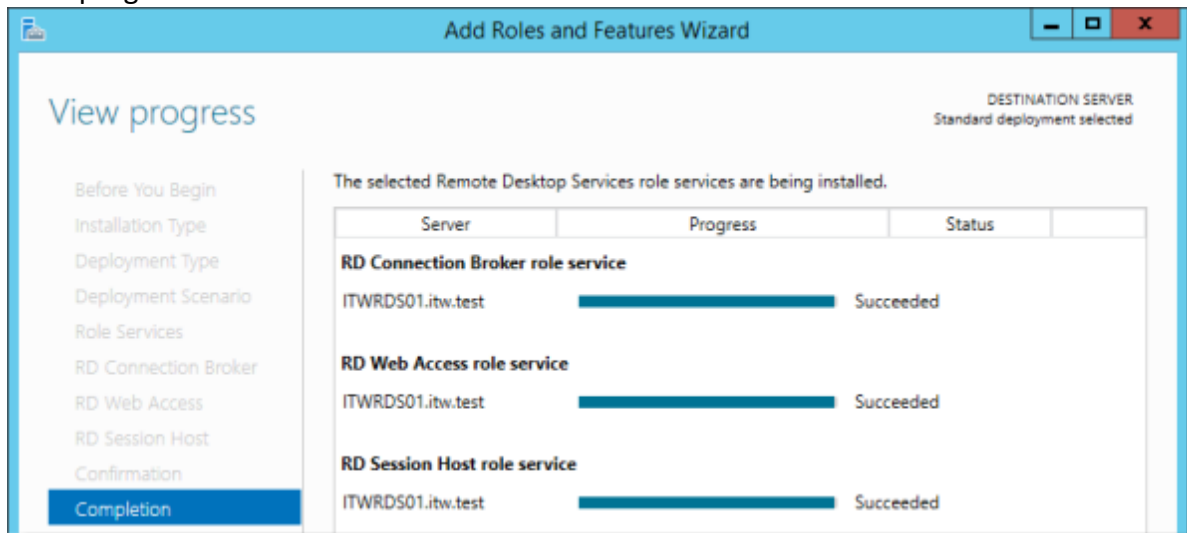
Click the member server and click the Add button.  
Click Next.

## Confirm selections



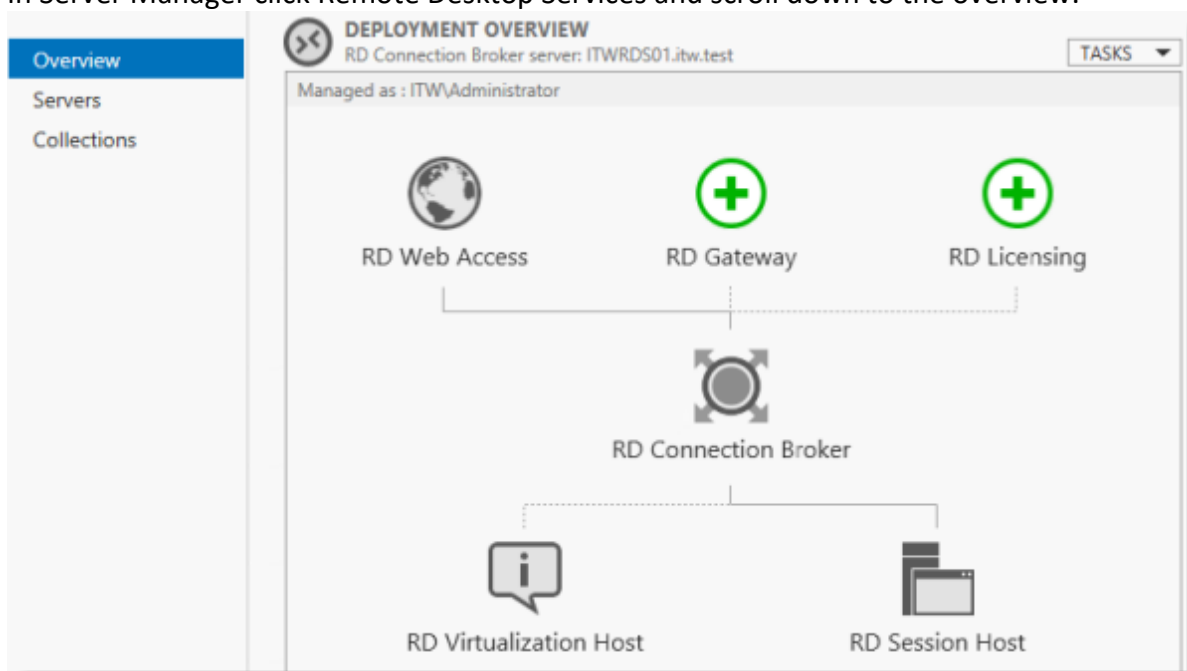
Check Restart the destination server automatically if required.  
Click Deploy.

View progress



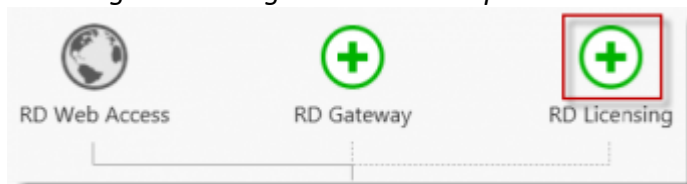
Wait until all role services are deployed and the member server has restarted.  
Click Close.

In Server Manager click Remote Desktop Services and scroll down to the overview.



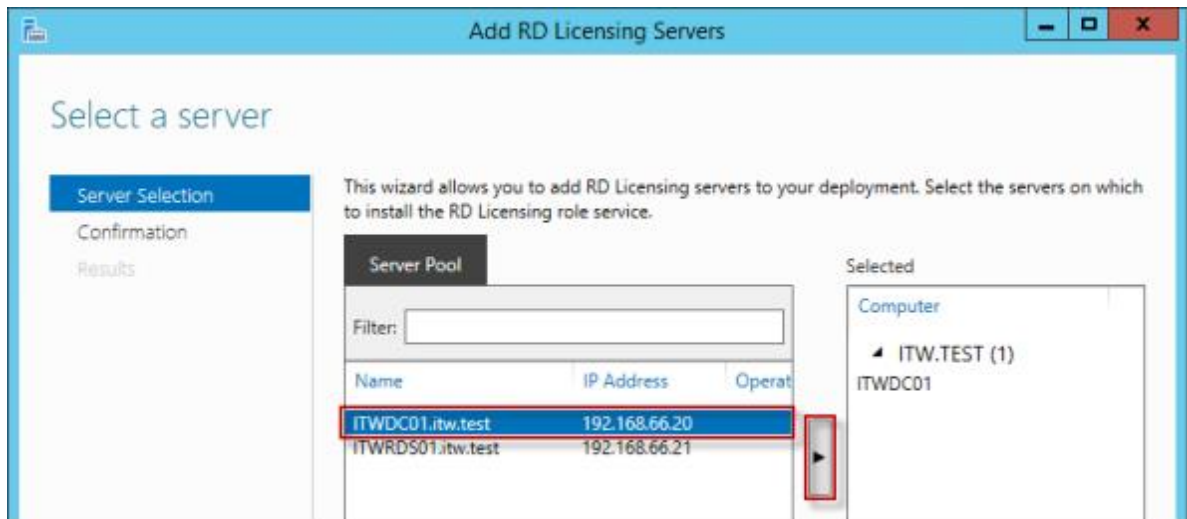
As you can see the deployment is missing a RD Gateway server and a RD Licensing server.

*Installing the missing Remote Desktop Services Roles*



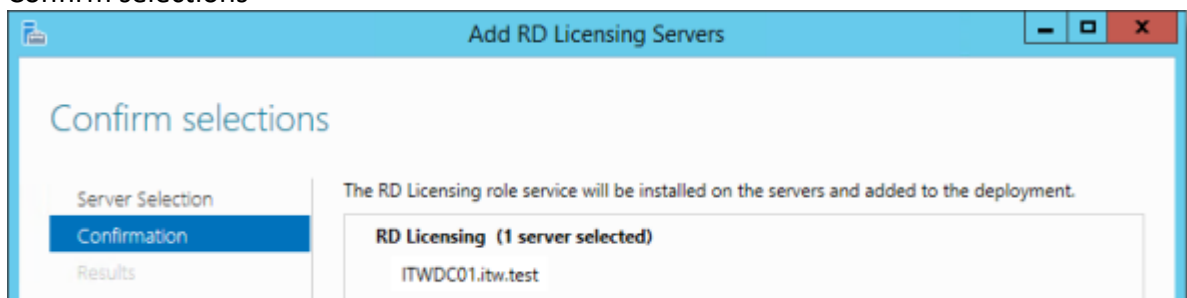
Click the Add RD Licensing server button.

Select a server



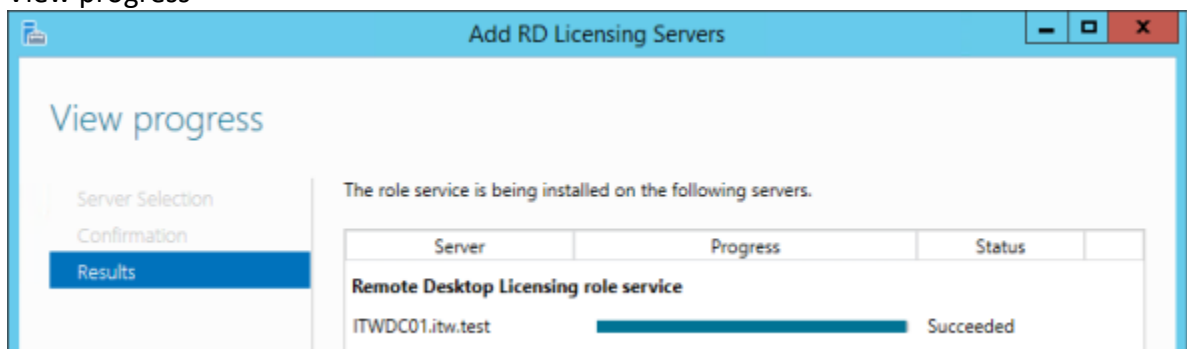
Click the domain controller and click the Add button.  
Click Next.

Confirm selections



Click Add.

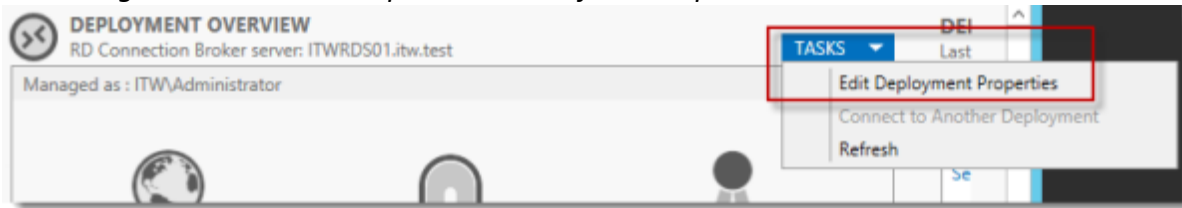
View progress



Wait until the role service is deployed. No restart is needed.  
Click Close.

Let's have a quick look at the certificate configuration.

### Reviewing the Remote Desktop Services certificate requirements

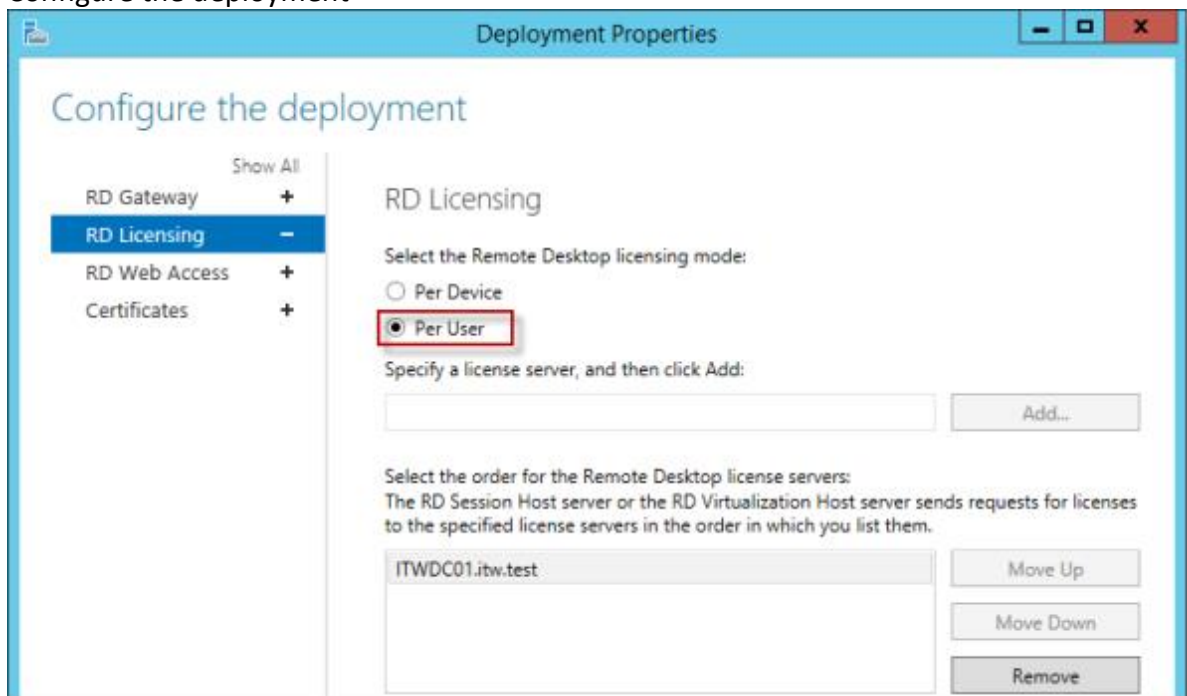


In Server Manager, Remote Desktop Services, Overview, click Tasks and click Edit Deployment Properties.

Configure the deployment : Select do not use RD Gateway Server.

Review the RD Gateway settings and notice what settings are available.  
Click RD Licensing.

Configure the deployment



Notice that a RD License server is available, but no license type is selected yet.

### Activate the license server

1. Open the Remote Desktop Licensing Manager: click **Start > Administrative Tools > Remote Desktop Services > Remote Desktop Licensing Manager**.
2. Right-click the license server, and then click **Activate Server**.
3. Click **Next** on the welcome page.
4. For the connection method, select **Automatic connection (recommended)**, and then click **Next**.
5. Enter your company information (your name, the company name, your geographic region), and then click **Next**.



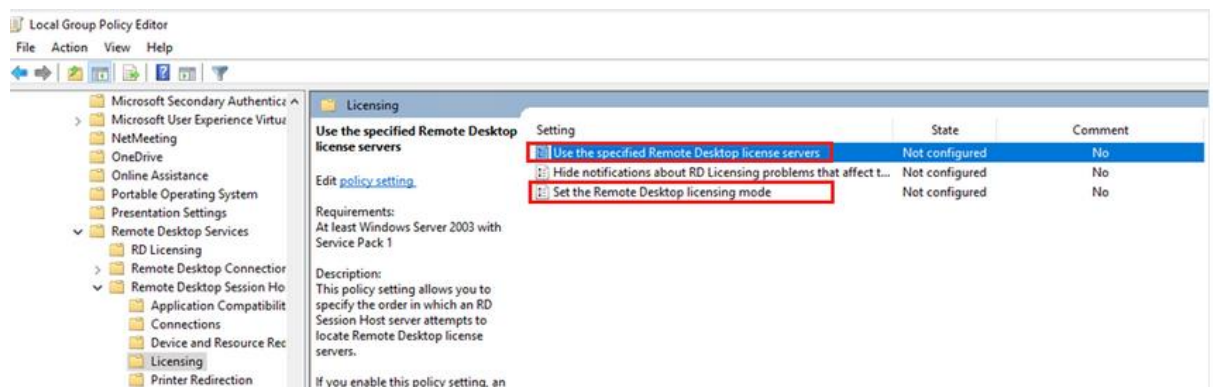
- Optionally enter any other company information (for example, email and company addresses), and then click **Next**.
- Make sure that **Start Install Licenses Wizard now** is not selected (we'll install the licenses in a later step), and then click **Next**.

## Install RDS client access licenses on the Remote Desktop license server

- On the license server (usually the first RD Connection Broker), open the Remote Desktop Licensing Manager.
- Right-click the license server, and then click **Install licenses**.
- Click **Next** on the welcome page.
- Select **Service Provider License Agreement (SPLA)**, and then click **Next**.
- Enter the information for your license program.
- Click **Next**.
- Select the product version Windows Server 2012, license type Per User, and number of licenses for your environment, and then click **Next**. The license manager contacts the Microsoft Clearinghouse to validate and retrieve your licenses.
- Click **Finish** to complete the process.

## Configure licensing for an RDS deployment that includes only the RD Session Host role and the RD Licensing role

- On the server, select **Start**, and then enter **gpedit.msc** to open Local Group Policy Editor.
- Go to **Computer Configuration > Administrative Templates > Windows Components > Remote Desktop Services > Remote Desktop Session Host > Licensing**.



- In the policy list, right-click **Use the specified Remote Desktop license servers**, and then select **Properties**.
- Select **Enabled**, and then enter the name 127.0.0.1 under **License servers to use**.



Use the specified Remote Desktop license servers

Use the specified Remote Desktop license servers

Previous Setting Next Setting

☐ Not Configured
 ☒ Enabled
 ☐ Disabled

Comment:

Supported on: At least Windows Server 2003 with Service Pack 1

Options:

License servers to use:

Separate license server names with commas.  
Example: Server1,Server2.example.com,192.168.1.1

Help:

This policy setting allows you to specify the order in which an RD Session Host server attempts to locate Remote Desktop license servers.

If you enable this policy setting, an RD Session Host server first attempts to locate the specified license servers. If the specified license servers cannot be located, the RD Session Host server will attempt automatic license server discovery. In the automatic license server discovery process, an RD Session Host server in a Windows Server-based domain attempts to contact a license server in the following order:

1. Remote Desktop license servers that are published in Active Directory Domain Services.
2. Remote Desktop license servers that are installed on domain controllers in the same domain as the RD Session Host server.

If you disable or do not configure this policy setting, the RD Session Host server does not specify a license server at the Group Policy level.

OK Cancel Apply

5. Select **OK**.
6. In the policy list, right-click **Set the Remote Desktop licensing mode**, and then select **Properties**.
7. Select **Enabled**.
8. Under **Specify the licensing mode for the Remote Desktop Session Host server**, select **Per User**.

Set the Remote Desktop licensing mode

Set the Remote Desktop licensing mode

Previous Setting

Next Setting

☐ Not Configured

Comment:

☒ Enabled

☐ Disabled

Supported on:

At least Windows Server 2003 with Service Pack 1

Options:

Specify the licensing mode for the RD Session Host server.

Per Device

Per Device

Per User

Help:

This policy setting allows you to specify the type of Remote Desktop Services client access license (RDS CAL) that is required to connect to this RD Session Host server.

You can use this policy setting to select one of two licensing modes: Per User or Per Device.

Per User licensing mode requires that each user account connecting to this RD Session Host server have an RDS Per User CAL.

Per Device licensing mode requires that each device connecting to this RD Session Host server have an RDS Per Device CAL.

If you enable this policy setting, the Remote Desktop licensing mode that you specify is honored by the Remote Desktop license server.

If you disable or do not configure this policy setting, the licensing mode is not specified at the Group Policy level.

OK

Cancel

Apply