

Windows Server 2012 R2 RDS Role Installation

Use the **F1** button on any page of a ThinManager wizard to launch Help for that page. Visit <u>http://www.thinmanager.com/kb/index.php/Special:AllPages</u> for a list of Knowledge Base articles. Visit <u>http://thinmanager.com/support/manuals/</u> to download any of the manuals.

Setup Remote Desktop Services

Starting with Windows Server 2012, it is highly advised that the server be part of a domain as the Remote Desktop Services graphical configuration is only available to Domain Admins. This document will assume that your new Remote Desktop Services Server is already part of a domain and you have credentials for a Domain Admin user account.

It is possible for you to setup Active Directory for a stand-alone server, and make that server also a Domain Controller. That setup is outside the scope of this document.

Steps:

Log into the Server with a Domain Admin account.

Run Server Manager.



Click on Add Roles and Features.



Click Next.

6	Add Roles and Features Wizard	D X
Before you begin Before You Begin	DESTINATION WIN-2012R2-1.DG This wizard helps you install roles, role services, or features. You determine which roles, role serv features to install based on the computing needs of your organization, such as sharing documer	server i.LOCAL ices, or its, or
Installation Type Server Selection Server Roles Features Confirmation Results	hosting a website. To remove roles, role services, or features: Start the Remove Roles and Features Wizard Before you continue, verify that the following tasks have been completed: • The Administrator account has a strong password • Network settings, such as static IP addresses, are configured • The most current security updates from Windows Update are installed	
	If you must verify that any of the preceding prerequisites have been completed, close the wizard complete the steps, and then run the wizard again. To continue, click Next.	L.
	Skip this page by default	
	< Previous Next > Install Ca	incel



Select Remote Desktop Services installation, and then press Next.





Select Quick Start, and press Next.





Select Session-based Desktop deployment, and press Next.

🚡 Add Roles and Features Wizard 📃 🗖 🗙			
Before You Begin Installation Type Deployment Type Deployment Scenario	Add Roles and Features Wizard It SCENATIO Remote Desktop Services can be configured to allow users to connect to virtual programs, and session-based desktops. O Virtual machine-based desktop deployment Virtual machine-based desktop deployment allows users to connect to virtual	DESTINATION SERVER Quick Start selected desktops, RemoteApp I desktop collections	
Server Selection Confirmation Completion	 that include published RemoteApp programs and virtual desktops. Session-based desktop deployment Session-based desktop deployment allows users to connect to session collect published RemoteApp programs and session-based desktops. 	tions that include	
	< Previous Next > De	eploy Cancel	



It should select automatically create a server pool, and add your local server. Press Next.

P	Add Roles and Features Wizard
Select a server	DESTINATION SERVER Quick Start selected
Before You Begin Installation Type	The Quick Start will install the RD Connection Broker, RD Web Access, and RD Session Host role services on the same server.
Deployment Type	Server Pool Selected
Server Selection Confirmation	Filter:
Completion	Name IP Address Operating WIN-2012R2-1.DG.LOCAL 192.168.50.50
	1 Computer(s) found 1 Computer(s) selected
	i The credentials of the DG\Administry real count will be used to create the deployment.
	< Previous Next > Deploy Cancel



Check the **Restart the destination server...** box, and press **Deploy**.

	Add Roles and Features Wizard
Confirm selections	DESTINATION SERVER WIN-2012R2-1.DG.LOCAL
Before You Begin Installation Type Deployment Type Deployment Scenario Server Selection Confirmation	To complete the installation, the destination servers must be restarted. The following role services will be installed on the server named WIN-2012R2-1.DG.LOCAL. RD Connection Broker RD Web Access RD Session Host The server will be restarted after the role services are installed. The Domain Users security group will be added to the Remote Desktop Users security group on the server.
Completion	
	✓ Restart the destination server automatically if required < Previous



A progress screen will appear and display information on the new deployment progress. The server will automatically restart if the deployment is successful. It may also restart one or more times during the deployment process. After each restart, it will go back into Server Manager and post the status of the deployment.

B	Add Roles and	Features Wizard	_ 🗆 X
View progress			DESTINATION SERVER WIN-2012R2-1.DG.LOCAL
Before You Begin	The Remote Desktop Services dep	ployment scenario is being installed.	
Installation Type	Server	Progress	Status
Deployment Type	Remote Desktop Services role	services	
Deployment Scenario	WIN-2012R2-1.DG.LOCAL		Pending
Server Selection			
Confirmation	Session collection		
Completion	WIN-2012R2-1.DG.LOCAL		Pending
	RemoteApp programs		
	WIN-2012R2-1.DG.LOCAL		Pending
		< Previous Next >	Deploy Cancel



After the deployment completes successfully press **Close**.

a	Add Roles and Featu	res Wizard	_ □ X
View progress			DESTINATION SERVER Quick Start selected
Completion	The Remote Desktop Services deployme	nt scenario is being installed.	
	Server	Progress	Status
	Remote Desktop Services role service	5	
	WIN-2012R2-1.DG.LOCAL	S	ucceeded
	Session collection		
	WIN-2012R2-1.DG.LOCAL	S	ucceeded
	RemoteApp programs		
	WIN-2012R2-1.DG.LOCAL	S	ucceeded
	Connect to RD Web Access: https://WIN-	-2012R2-1.DG.LOCAL/rdweb	
		< Previous Next >	Close Cancel

At this point, your Remote Desktop Server is setup and will allow you to make Remote Desktop connections to this server. If you would like to access individual applications using <u>AppLink</u>, follow these steps:



In the Server Manager Dashboard, press **Remote Desktop Services** in the link on the left side of the window.

à	
Server Ma	anager • Dashboard
🔛 Dashboard	
Local Server	LEARN MORE
All Servers	
AD DS	ROLES AND SERVER GROUPS
🚔 DNS	Roles: 5 Server groups: 1 Servers total: 1
📲 File and Storage Services 👂	
IIS	
⑧ Remote Desktop Services ▷	Manageability
	Events
-	Services
	Performance
•	BPA results
	Remote Desktop
	Services
	(†) Manageability
	Events
	Comisso



On the next window, select QuickSessionCollection, and then press the link for Publish RemoteApp Programs.

â		Server Ma
\mathbf{E}	● •• Remot	e Desktop Services • Collections • QuickSessic
	Overview Servers Collections QuickSessionCo	PROPERTIES Properties of the collection TAS Collection Type Session Resources Remote Desktop User Group DG\Domain Users REMOTEAPP PROGRAMS Published RemoteApp programs 0 total TAS Remote Desktop is published for the users of the collection. Publish RemoteApp programs Publishing RemoteApp programs will unpublish the Remote Desktop. Publishing RemoteApp programs will unpublish the Remote Desktop.
\square		



Select the applications you want to launch from the list that appears. If you don't see your specific application, then use the **Add...** button to browse for it. If it still does not appear, make sure the application is properly installed on this server.

In the example here, we have selected Calculator, Paint, and Wordpad. Use the scroll bar to the right to scroll down for more applications.

Press Next once you have selected your applications.

Ē.	Publish RemoteApp Prog	grams 📃 🗖 🗙
Select RemoteApp RemoteApp Programs Confirmation	DESCRIPTIONS Select the RemoteApp programs to publish RemoteApp program to the list, click Add. The RemoteApp programs are populated fr	to the QuickSessionCollection collection. To add a rom WIN-2012R2-1.DG.LOCAL.
Completion	RemoteApp Program Active Directory Administrative Ce Active Directory Module for Wind Calculator Calculator	Location %SYSTEMDRIVE%\Windows\system32\dsac.exe %SYSTEMDRIVE%\Windows\system32\Window %SYSTEMDRIVE%\Windows\system32\calc.exe %SYSTEMDRIVE%\Windows\system32\dfrgui.exe %SYSTEMDRIVE%\Windows\system32\mmc.exe %SYSTEMDRIVE%\Windows\system32\mmc.exe %SYSTEMDRIVE%\Windows\system32\inetsrv\I %SYSTEMDRIVE%\Windows\system32\sintsrv\I %SYSTEMDRIVE%\Windows\system32\sints
	< Previo	Dus Next > Publish Cancel



Verify that all of the applications you want to run are listed, and press Publish.

b	Publish RemoteApp Pro	grams	_ D X
Confirmation			
RemoteApp Programs Confirmation	Confirm that the list of RemoteApp progra 3 RemoteApp programs:	ms to be published is correct, an	nd then click Publish.
Publishing Completion	RemoteApp Program	Location %SYSTEMDRIVE%\Windows\s %SYSTEMDRIVE%\Windows\s %SYSTEMDRIVE%\Program Fi	ystem32\calc.exe ystem32\mspaint les\Windows NT\
	< Prev	ious Next > Pi	ublish Cancel

Once it completes, it will go back to the previous screen. At this point, we need to now look at some of the other settings.



In the Server Manager, with Remote Desktop Services > Collections > QuickSessionCollection selected, press on the Task drop down shown in the image below, and then select "Edit Properties".

		Serve	er Manager	
🕞 🔹 📢 Remote	e Desktop Service	s • Collections • QuickSe	ssionCollectio	on
Overview Servers Collections QuickSessionCo	PROPERTIES Properties of the collection Type Resources User Group	ction Session RemoteApp Programs DG\Domain Users S s01:04 PM Published RemoteApp programs Alias Visible in RD Web Access calc Yes mspaint Yes wordpad Yes	TASKS	CONNEC Last refres Futter Server Fi WIN-201



If you would like to change the name of the collection to something other than **QuickSessionCollection** you can do it here, and press the **Apply** button.

b	QuickSessionCollection Properties
Session Collectio Show All General – User Groups + Session + Security + Load Balancing + User Profile Disks +	QuickSessionCollection Properties Image: Collection ACP Sample Collection Description (optional): Show the session collection in RD Web Access
	Show the session collection in RD Web Access OK Cancel Apply



Select the **User Groups** item in the menu on the left, and add the **User Groups** that you want to be able to remotely connect to your server. Use the **Add** button, and **Apply** once you've finished.

à	QuickSessionCollection Properties	x
Session Collection		
Show AllGeneral+User Groups-Session+Security+Load Balancing+Client Settings+User Profile Disks+	Specify User Groups Specify the user groups that will be associated with this session collection. Users who are members of these groups can connect to the RD Session Host servers that are members of this collection, and can access published RemoteApp programs. User groups: DG\Domain Users Add Remove	of
	 For a user account to have access to a RemoteApp program, the user account must have access to both the RemoteApp program and the collection to which it is published. Updating the user access at the collection level will not change the user access at the RemoteApp program level. OK Cancel Apply 	



Select the **Session** item in the left menu, and make any adjustments you would like to use for your system. The defaults here will work fine for ThinManager. Press **Apply** when complete.

a	QuickSessionCollection Properties		- 5	x I	
Session Collection Show All General + User Groups + Security + Load Balancing + Client Settings + User Profile Disks +	QuickSessionCollection Properties Configure Session Settings Set RD Session Host server timeout and reconnecti End a disconnected session: Active session limit: Idle session limit: Idle session limit is reached or a connection is b	on settings for the session Never Never Never oroken:	n collecti	ion.	
	 Enable automatic reconnection End the session Temporary folder settings: Delete temporary folders on exit Use temporary folders per session 	OK Cancel	Арг	oly	



Press the **Security** item in the Menu to the left. Make sure your settings match those shown in the image below. Key for ThinManager clients is that you **UNCHECK** the **Allow Connections Only from...** item.

Note: <u>Network Level Authentication (NLA</u>) is supported in Firmware Package 7.1.3 and later. You can leave the Allow Connections Only from... item checked.

Press Apply once finished.

2	QuickSessionCollection Properties
Session Colle	ction
Sho General User Groups Session Security Load Balancing Client Settings User Profile Disks	 All Configure security settings Specify the security settings from the client to the RD Session Host servers in the session collection. Security Layer: Negotiate The most secure layer that is supported by the client will be used. If supported, SSL (TLS 1.0) will be used.
	Client Compatible All data sent between the client and the server is protected by encryption based on the maximum key strength supported by the client. Allow connections only from computers running Remote Desktop with Network Level Authentication
	OK Cancel Apply



Select the **Client Setting** item in the menu to the left. Select the items you wish to change, and press **Apply**. The default settings (shown below) should work fine for you ThinManager system.

a	QuickSessionCollection Properties			x
Session Collection				
Show All General + User Groups + Session + Security +	Configure client settings You can specify devices and resources on the client device that can be acce user connects to a session-based desktop.	ssed whe	en a	
Load Balancing +	Enable redirection for the following:			٦
Client Settings –	✓ Audio and video playback			
User Profile Disks +	 Audio recording Smart cards Plug and play devices Drives Clipboard Printers Allow client printer redirection Use the client default printing device Use the Remote Desktop Easy Print print driver first Monitors Maximum number of redirected monitors: 	6		
	OK Cancel	Ar	ply	

You may now press the **OK** button to close the dialog box. At this point, your server is ready for ThinManager to use it as a Remote Desktop Server (Terminal Server).