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How to configure Remote Desktop Services (Terminal Services) on Windows 2012 Server

LEGACY TECH NOTE

1065

SUMMARY

This Tech Note will help you to configure Remote Desktop Services (Terminal Services) on the Windows 2012 Server Operating System.

OPERATING SYSTEM

Windows Server 2012

ACTION

How to install the Remote Desktop Services

1. Open the Server Manager on Windows 2012 Server

Image: Server Manager + Dashboard • • • • • • • • • • • • • • • • • • •	à		Server Manager		= 0 X
It Deabloard WELCOME TO SERVER MANAGER It Deabloard WELCOME TO SERVER MANAGER It Deabloard It Deabloard It Deabloard It Deabloar	€⊙ - Server N	lanager • Dashboard		• 🗇 🏲 Manage Tools	View Help
L SeverManager 2 (2) M gd + (3) (2) A 150 M		VELCOME TO SERVER MANAGER	gure this local server froles and features fother servers to manage ate a server group Manageability Events Services Performance BPA results BPA results	1 I All Servers 1 O Managazolity Events Services Performance BPA results	NG: 1

Figure 1: Server Manager Window

2. Click Add Roles and Features.

The Add Roles and Features Wizard appears (Figure 2 below).



	Add Roles and Features Wizard
Before you begin Installation Type Server Selection Server Roles Features Confirmation Results	DESTINATION SERVER Bin2014.magellandev2000.dev.wonderware.com This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or 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.
	Skip this page by default
	< Previous Next > Install Cancel

Figure 2: Add Roles and Features Wizard

3. Click Next.

4. Click Remote Desktop Services Installation and click (Figure 3 below).

	Add Roles and Features Wizard
elect installatior	n type Destination see No servers are selec
Before You Begin	Select the installation type. You can install roles and features on a running physical computer or virt machine, or on an offline virtual hard disk (VHD).
Deployment Type	 Role-based or feature-based installation Configure a single server by adding roles, role services, and features.
	Remote Desktop Services installation Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-b
	or session-based desktop deployment.
	< Previous Next > Deploy Cance

Figure 3: Click Installation Type - Remote Desktop Services Installation

5. Click Standard deployment and click Next (Figure 4 below).



h		Add Roles and Features Wizard	-	ION SERVER are selected	×
	Destination state Destination Before You Begin Installation Type Remote Desktop Services can be configured across multiple servers or on one server. Deployment Scenario Role Services Standard deployment A standard deployment allows you to deploy Remote Desktop Services across multiple servers. Quick Start A Quick Start allows you to deploy Remote Desktop Services on one server, and creates a collection and publishes RemoteApp programs. Orthroading Completion Virtualization Host Completion Completion Outle Start A Quick Start allows you to deploy Remote Desktop Services on one server, and creates a collection and publishes RemoteApp programs. Virtualization Host Completion Completion	iR Id			
	Before You Begin	Remote Desktop Services can be configured across multiple servers or on one server.			
	Deployment Type	Standard deployment			
Ľ	Deployment Scenario	A standard deployment allows you to deploy Remote Desktop Services across multipl	e serve	ers.	
	Role Services	A Quick Start allows you to deploy Remote Desktop Services on one server, and creat	es a co	llectio	'n
	RD Web Access	and publishes RemoteApp programs.			
	RD Virtualization Host				
	Confirmation				
			_		_
		< Previous Next > Deploy	0	ancel	
			DESTINATION SERVER No servers are selected res can be configured across multiple servers or on one server. Int Int Int Int Int Int Int Int Int In		

Figure 4: Standard deployment

6. Click Session-based desktop deployment and click Next (Figure 5 below).

Figure 5: Session-based desktop deployment Option

7. Click **Next** (Figure 6 below).



Figure 6: Click Next to Continue

The RD Connection Broker Server window appears (Figure 7 below).

à	Add Roles and Features Wizard	_ _ X
Specify RD Conn Before You Begin Installation Type	ection Broker server Select the servers from the server pool on which to install the RD Conr	DESTINATION SERVER Standard deployment selected rection Broker role service.
Deployment Type Deployment Scenario Role Services	Server Pool Selec	nputer
RD Connection Broker RD Web Access RD Session Host Confirmation Completion	Name IP Address Operating Bin2014.magellandev20 10.13.24.63 < Imagellandev20 1 Computer(s) found 1 Computer(s) found	mpoter(s) selected
	< Previous Next >	Deploy

Figure 7: Broker Server Window

8. Select the machine name from the Server Pool and add it to the Computer panel (Figure 8 below).



<u>ک</u>	Add	Roles and Features	Wizard		DESTINATION SERVER Idard deployment selected sker role service.
Specify RD Conne Before You Begin Installation Type Deployment Type Deployment Scenario Role Services RD Connection Broker RD Web Access RD Session Host Confirmation Completion	Specify RD Connection Broker server Before You Begin Installation Type Deployment Type Deployment Scenario Role Services RD Connection Broker RD Web Access RD Session Host Confirmation Completion				
	<	III d < Pre	evious Next	< III 1 Computer(s) selected t > Deploy) Cancel

Figure 8: RD Connection Broker/Add Server Name

9. Click the **RD Web Access** item on the left panel, select the machine name from the Server Pool and add it to the **Computer** panel (Figure 9 below).

2	Add Ro	les and Features	Wizard				×
Specify RD Web	Access server				DEST Standard dep	INATION SERVER	
Before You Begin Installation Type Deployment Type Deployment Scenario	Select a server from the Install the RD Web A Server Pool	server pool on whic access role service or	h to install the Ri h the RD Connect	D Web tion Bro Se	Access role service. oker server flected		
Role Services RD Connection Broker	Filter:			0	Computer	V2000.DEV.W	~
RD Web Access RD Session Host Confirmation Completion	Name Bin2014.magellandev2	IP Address 0 10.13.24.63	Operating	Þ	lin2014		
	< 1 Computer(s) found	Ш	>	1	Computer(s) selected	>	,
		< Pr	revious Ne	xt >	Deploy	Cancel]

Figure 9: RD Web Access/Add Server Name

10. Click the **RD Session Host** item on the left panel, select the machine name from the Server Pool and add it to the **Computer** panel (Figure 10 below).



h	Add Roles and Features Wizard
E Specify RD Sessio Before You Begin Installation Type Deployment Type Deployment Scenario Role Services RD Connection Broker RD Web Access RD Session Host Confirmation Completion	Add Roles and Features Wizard Image: Computer Standard deployment selected Host servers DESTINATION SERVER Standard deployment selected Select the servers from the server pool on which to install the RD Session Host role service. If more than one server is selected, the RD Session Host role service will be deployed on all of them. Server Pool Selected Filter: Image: Computer Name IP Address Derating MAGELLANDEV2000.DEV.W Bin2014.magellandev20 10.13.24.63
	C III > 1 Computer(s) found 1 Computer(s) selected
	< Previous Next > Deploy Cancel

Figure 10: RD Session Host/Add Server Name

11. Check the Restart the destination server automatically... option and click Deploy (Figure 11 below).

Image: Standard deployment selected Before You Begin Installation Type Deployment Type Deployment Scenario Rol Services RD Connection Broker RD Web Access RD Session Host Completion Completion Deployment Scenario Rob Services RD Connection Broker RD Web Access RD Session Host Completion Completion Image: Comp	x	
Confirm selection	DESTINATION SERVER Standard deployment selected	
Before You Begin Installation Type	To complete the installation, you must restart the RD Session Host servers. After installation is complete on the remote computers, the local computer will be restarted.	
Deployment Type	RD Connection Broker (1 server selected)	
Deployment Scenario	Bin2014R2.magellandev2000.dev.wonderware.com	
Role Services	RD Web Access (1 server selected)	
RD Connection Broker	Bin2014R2.magellandev2000.dev.wonderware.com	
RD Web Access	RD Session Host (1 server selected)	
RD Session Host	1. The following servers may restart after the role service is installed.	
Confirmation	Bin2014R2.magellandev2000.dev.wonderware.com	
Completion		
	\checkmark Restart the destination server automatically if required	
	< Previous Next > Deploy Cancel	

Figure 11: Confirm Selections

Figure 12 (below) shows the Remote Desktop Services roles' installation progress.



	Add Roles and	Features Wizard			
View progress			DES Standard de	TINATION SEP	tver.
	The selected Remote Desktop Ser	vices role services are being	g installed.		
	Server	Progress	Status		
	RD Connection Broker role service	vice			
	Bin2014.magellandev2000.d		In Progress		
	ev.wonderware.com		-		
	RD Web Access role service				
	Bin2014.magellandev2000.d		In Progress		
	ev.wonderware.com				
	RD Session Host role service				
Completion	Bin2014.magellandev2000.d		In Progress		
	ev.wonderware.com In	stalling			
		< Previous Ne	xt > Deploy	Cano	el

Figure 12: Complete

12. After the Remote Desktop Services are installed, reboot the system to complete the installation.

ATTACHMENTS

http://okmgcs.km.invensys.com/resources/sites/KPKA/content/live/TN/0/TN708/en_US/~secure/{ "SECUREDRESOURCE": "Y" }

