Doc Туре	Tech Notes
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Setting up Remote Desktop Services and Adding InTouch WindowViewer to RemoteApp List on an InTouch Access Anywhere Server Machine

SUMMARY

This pictorial *Tech Note* provides a step-by-step procedure to install Remote Desktop Services and to add InTouch WindowViewer to the RemoteApp list on an InTouch Access Anywhere Server machine.

OPERATING SYSTEM

Windows Server 2003

SITUATION

Remote Desktop Services must be installed and configured and InTouch WindowViewer added to the RemoteApp list prior to the instalaltion of InTouch Access Anywhere to the server.

NOTE: This is a sample of one of the acceptable configurations of Remote Desktop Services to be used with InTouch Access Anywhere.

ACTION

Follow Figures 1 through 19 in the order below to successfully install and configure Remote Desktop Services:



=		
B	Server Mana	ager
Server Ma	nager • Dashboard	
🔛 Dashboard	WELCOME TO SERVER MANAGER	
Local Server All Servers File and Storage Services ▷	QUICK START QUICK START QUICK START Add roles and features Add other servers to manage WHAT'S NEW Create a server group	
	Roles: 1 Server groups: 1 Servers total: 1 Image: File and Storage Services 1 Image: Services	All Servers 1 All Servers 1 Manageability Events Services Performance BPA results
ITE 2	er from the Taskbar and Click On "Add Roles And Feature	es"
	Add Roles and Features Wizard	_ D X
Select installation	type	DESTINATION SERVER No servers are selected.
Before You Begin Installation Type Deployment Type	Select the installation type. You can install roles and features on a runnir machine, or on an offline virtual hard disk (VHD). Role-based or feature-based installation Configure a single server by adding roles, role services, and features.	ng physical computer or virtual
Deployment Scenario Role Services RD Connection Broker RD Web Access RD Virtualization Host Confirmation Completion	Remote Desktop Services installation Install required role services for Virtual Desktop Infrastructure (VDI) to or session-based desktop deployment.	o create a virtual machine-based
	C Previous Nevt >	Deploy Carrel

Figure 2: Remote Desktop Services Installation

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B	Add Roles and Features Wizard
Select deploymen	t type DESTINATION SERVER No servers are selected
Before You Begin Installation Type Deployment Type	Remote Desktop Services can be configured across multiple servers or on one server.
Deployment Scenario Server Selection Virtual Desktop Template	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.
Completion	
	< Previous Next > Deploy Cancel

Figure 3: Quick Start

B	Add Roles and Features Wizard	_ D X
Before You Begin Installation Type Deployment Type Deployment Scenario Server Selection Confirmation Completion	Add Roles and Features Wizard It Scenario Remote Desktop Services can be configured to allow users to connect to virtual d programs, and session-based desktops. Virtual machine-based desktop deployment Virtual machine-based desktop deployment allows users to connect to virtual d that include published RemoteApp programs and virtual desktops. Session-based desktop deployment Session-based desktop deployment allows users to connect to session collectio published RemoteApp programs and session-based desktops.	DESTINATION SERVER Quick Start selected esktops, RemoteApp desktop collections
	Previous Next > Dep	ploy Cancel

Figure 4: Session-Based Desktop Deployment



B	Add Roles and Features Wizard
Select a server	DESTINATION SERVER Quick Start selected
Before You Begin Installation Type Deployment Type Deployment Scenario Server Selection Confirmation Completion	The Quick Start will install the RD Connection Broker, RD Web Access, and RD Session Host role services on the same server. Server Pool Filter: AccP-DG.NET (1) VAS-TS1
	vIAS-TS1.ACP-DG.net < IP Address > (III (III 1 Computation found 1 Computation calended
	1 Computer(s) found 1 Computer(s) selected The credentials of the ACP-DG\Administrator account will be used to create the deployment. <pre></pre>

Figure 5: Server Selection



Figure 6: Confirmation



È	Add Roles ar	nd Features Wizard	_ D ×
View progress			DESTINATION SERVER vIAS-TS1.ACP-DG.net
Before You Begin	The Remote Desktop Services	deployment scenario is being install	ed.
Installation Type	Server	Progress	Status
Deployment Type	Remote Desktop Services ro	ble services	
Deployment Scenario	vIAS-TS1.ACP-DG.net	Installing	In Progress
Server Selection	Session collection	in stanningin	
Completion	vIAS-TS1.ACP-DG.net		Pending
Completion			renang
	RemoteApp programs		
	vIAS-TS1.ACP-DG.net		Pending
		< Previous Next >	Deploy Cancel
Figure 7: Operation de sta	Illin e		
Figure 7: Completion - Insta	llling		
Remote Desktop licens Remote Desktop Services will Connection Broker server, use Desktop licensing mode and t	sing mode is not configured. stop working in 120 days. On the RD Server Manager to specify the Remo the license server.	va x ote	

Figure 8: Remote Desktop In Demo Mode

B	Add Roles and F	eatures Wizard			x
View progress	The Remote Deckton Services den	ovmant cranacio is baino installad	DESTIN/ Quick	ATION SERV Start select	ER ed
	Server	Progress	Status		
	Remote Deskton Services role s	anvicas			
	vIAS-TS1.ACP-DG.net	Configuring	In Progress		
	Session collection				
	vIAS-TS1.ACP-DG.net		Pending		
	RemoteApp programs				
	vIAS-TS1.ACP-DG.net		Pending		
		< Previous Next >	Deploy	Cance	
Figure 0: Completion Config	uring				

Figure 9: Completion - Configuring

a	Add Roles and F	eatures Wizard		-		x
View progress			DESTI Quie	NATION k Start	N SERV t select	ER ed
Completion	The Remote Desktop Services depl	oyment scenario is being installed.	Chat		_	_
	Server	Progress	Statu	5		_
	Remote Desktop Services role se	ervices				
	vIAS-TS1.ACP-DG.net		Succeeded			
	Session collection					
	vIAS-TS1.ACP-DG.net		Succeeded			
	RemoteApp programs					
	vIAS-TS1.ACP-DG.net		Succeeded			
	Connect to PD Wah Access https://	//JAS_TS1_ACD_DG_pat/rdwab				
	Connect to ND Web Access: https:/	/VIAS-131.ACF-DG.REI/TOWED		-		
		< Previous Next >	Close		Cancel	
Figure 10: Completion Support	adad	L. L.				

Figure 10: Completion - Succeeded



2		Server Manager
Gerver M	anager • Dashboard	
🔛 Dashboard	WELCOME TO SERVER MANAGER	
Local Server All Servers File and Storage Services ▷ IIS Remote Desktop Services ▷	QUICK START 2 Add roles and fe 3 Add other serve WHAT'S NEW 4 Create a server g LEARN MORE ROLES AND SERVER GROUPS	ocal server eatures ers to manage group
	Roles: 3 Server groups: 1 Servers total: 1	1 🐼 Ren
	Services Manageability Manageability	eability Sen
	Events Events	Ever
	Performance Service	es Serv
	BPA results Perform	mance Perf
	BPA re	sults BPA
	All Servers 1	

Figure 11: Dashboard - Remote Desktop Services



a		Server Manager
$ \mathbf{E} $	∋ - Server M	anager • Remote Desktop Services • Overview
	Server M	ARANGE & Remote Desktop Services & Overview GET STARTED WITH REMOTE DESKTOP SERVICES (1) Set up a Remote Desktop Servi (2) Set up a Remote Desktop Servi (2) Set up a Remote Desktop Servi (3) Set up a Remote Desktop Servi (4) Set up a Remote Desktop Servi (4) Set up a Remote Desktop Servi (5) Set up a Remote Desktop Servi (6) Set up a Remote Desktop Servi (6) Set up a Remote Desktop Servi
		RD Connection Broker

Figure 12: Overview - Remote Desktop Services



ь	Server	Manager
Server Ma	anager • Remote Desktop Services • Collections	s • QuickSessionCollectio
Image: Construction of the server s Image: Conserver s I	PROPERTIES Properties of the collection Collection Type Session Resources RemoteApp Programs User Group ACP-DG\Domain Users	TASKS ▼ Last refreshed on 5/5/20 Filter Server FQDN vIAS-TS1.ACP-DG.net
	REMOTEAPP PROGRAMS Last refreshed on 5/5/2015 10:54:04 AM Published RemoteApp programs 3 total Filter P RemoteApp Program Name Alias Visible in RD Web Access Calculator Calculator Paint Yes WordPad WordPad	TASKS
	HOST SERVERS Last refreshed on 5/5/2015 10:54:04 AM All servers 1 total Filter	TASKS
Figure 13: Overview - Quick	Session Collections	

Ъ.		Se	rver Manager	
Server Manage	er • Remote Desk	top Services • Collecti	ons • QuickSes	sionCollectic
Image: Construction of the second	PROPERTIES Properties of the collection ection Type Session urces RemoteAp Group ACP-DG\D DTEAPP PROGRAMS freshed on 5/5/2015 10:54:04 AM er oteApp Program Name Alias ulator Calculato paint SPad WordPac	p Programs Pomain Users Published RemoteApp programs 3 tota P (■) ← (R) ← Visible in RD Web Access r Yes Yes 4 Yes	I TASKS V	CONNECTIONS ast refreshed on 5/5/20 Futter Server FQDN vIAS-TS1.ACP-DG.net
Figure 14: Edit Properties				



b	QuickSessionCollection Properties	_		х
Session Collection Show All General – User Groups + Session + Security + Load Balancing + Client Settings + User Profile Disks +	QuickSessionCollection Properties General The session collection name is displayed to users when they log on to RD W Name: QuickSessionCollection Description (optional): Show the session collection in RD Web Access	'eb Ac	cess.	
	OK Cancel		Apply	



b	QuickSessionCollection Properties	_ 🗆 X
Session Collection Show All General User Groups - Security Load Balancing + Client Settings + User Profile Disks +	Specify User Groups Specify the user groups that will be associated with this session collection. members of these groups can connect to the RD Session Host servers that this collection, and can access published RemoteApp programs. User groups: ACP-DG\Domain Users For a user account to have access to a RemoteApp program, the user have access to both the RemoteApp program and the collection to wi published. Updating the user access at the collection level will not cha access at the RemoteApp program level.	Users who are are members of Add Remove
	OK Cancel	Apply
Figure 16: Session Collection - L	Jser Groups	



Session Collection Show All General + User Groups • Security Load Balancing + Client Settings • User Profile Disks • When a session limit is reached or a connection is broken: • </th <th>a</th> <th>QuickSessionCollection Properties</th> <th>_ D X</th>	a	QuickSessionCollection Properties	_ D X
 ✓ Enable automatic reconnection ○ End the session Temporary folder settings: ✓ Delete temporary folders on exit ✓ Use temporary folders per session 	Session Collection Show All General + User Groups + Session - 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: When a session limit is reached or a connection is R	on settings for the session collection. Never • Never • Never • Never • oroken: •
OK Cancel Apply		 Enable automatic reconnection End the session Temporary folder settings: Delete temporary folders on exit Use temporary folders per session 	OK Cancel Apply



b	QuickSessionCollection Properties
Session Collection Show All General + User Groups + Session + Security - Load Balancing + Client Settings + User Profile Disks +	QuickSessionCollection Properties - - × 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.
User Profile Disks +	The most secure layer that is supported by the client will be used. If supported, SSL (TLS 1.0) will be used. Encryption Level: 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
Figure 18: Session Collection -	Security



a	QuickSessionCollection Properties
► Session Collection Show All General + User Groups + Session + Security + Load Balancing + Client Settings - User Profile Disks +	QuickSessionCollection Properties Image: Configure client settings Configure client settings You can specify devices and resources on the client device that can be accessed when a user connects to a session-based desktop. Enable redirection for the following: Image: Configure client device that can be accessed when a user connects to a session-based desktop. Enable redirection for the following: Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user connects to a session-based desktop. Image: Configure client device that can be accessed when a user
Client Settings – User Profile Disks +	 Audio and video playback 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
	Maximum number of redirected monitors: 16 OK Cancel Apply

Figure 19: Session Collection - Client Settings

Follow Figures 20 through 24 in the order below to add InTouch WindowViewer to the RemoteApp programs list:



2				Ser	ver Manager	
	Server M	lanager • Remote	e Desktop Serv	vices • Collectio	ons • QuickS	essionCollectior
	Overview	PROPERTIES Properties of the coll	ection		TASKS 🔻	CONNECTIONS Last refreshed on 5/5/201
i	Servers	Collection Type	Session			Filter
	Collections	Resources	RemoteApp Programs			ruter
i≣⊳	QuickSessionCo	User Group	ACP-DG\Domain Users			Server FQDN U
© Ø ▶						vIAS-TS1.ACP-DG.net A
		REMOTEAPP PROGRAM	//S 11:24:49 AM Published Rer	noteApp programs 3 total	TASKS 🔻	
			2	<u> </u>	Publish Remot	eApp Programs
		Filter	0	(₽) ▼	Unpublish Ren	noteApp Programs
		RemoteApp Program Nam	e Alias Visible in R	Web Access		
		Calculator	Calculator Yes			
		Paint	Paint Yes			
		WordPad	WordPad Yes			
		HOST SERVERS Last refreshed on 5/5/2015 1 Filter Server Name Type	11:24:49 AM All servers 1	Ilow New Connections		
		VIAS-TS1 RD Session	Host N/A Tr	ue		
ure 2	0: QuickSessionCo	ollections - Tasks - P	Publish RemoteAp	op Programs		
1		Publis	sh RemoteApp Pro	ograms		_ 🗆 X
Sel	ect RemoteA	.pp programs				
Re	emoteApp Programs	Select the RemoteA RemoteApp progra	pp programs to publis m to the list, click Add	sh to the QuickSession(Collection collection	. To add a
P	iblishing	The RemoteApp pro	ograms are populated	from VIAS-TS1.ACP-DO	S.NET.	
		RemoteApp Pr	ogram		Location	
		🗌 👰 System Inf	ormation	%SYSTEMDRIVE%\\	Vindows\system32\	msinfo3
		🗌 灰 System Ma	inagement Console	%SYSTEMDRIVE%\P	Program Files (x86)\(Common
		Task Mana	ger	%SYSTEMDRIVE%\V	Vindows\system32\	taskmgr
		Windows M	Memory Diagnostic	%SYSTEMDRIVE%\\	Vindows\system32\	MdSche

	U 🔮 WordPad	%SYSTEMDRIVE%\Pro	ogram Files\Windows NT\
	< Add Verify that the program is insta	III alled on all the RD Session Host serv	ers in the collection.
		< Previous Next >	Publish Cano
lect WindowVie	wer		

🗌 🔁 Windows PowerShell (x86)

Windows PowerShell ISE (x86)

Windows PowerShell ISE

✓ WindowViewer



%SYSTEMDRIVE%\Windows\SysWOW64\Windo...

%SYSTEMDRIVE%\Windows\system32\Window...

%SYSTEMDRIVE%\Windows\syswow64\Window...

%SYSTEMDRIVE%\Program Files (x86)\Wonder...

 \sim >

Cancel

a	Publish RemoteApp Pro	grams	_ 🗆 X
Confirmation	Confirm that the list of RemoteApp progra	ams to be published is correct, and the	n click Publish.
Confirmation	1 RemoteApp program:		
Publishing	RemoteApp Program	Location	
Completion	WindowViewer	%SYSTEMDRIVE%\Program Files (x8	6)\Wonder
	< Prev	ious Next > Publish	Cancel
Figure 22: Confirmation - Pul	blish		
A	Publish RemoteApp Pro	grams	_ 🗆 X
RemoteApp Programs Confirmation Publishing Completion	The selected RemoteApp programs were p collection. 1 RemoteApp program was published for RemoteApp Program	bublished successfully for the QuickSess the QuickSessionCollection collection.	sionCollection
Completion	WindowViewer	Published	

<form>

Completion

Programs
Confirmation
Publishing
Completion
RemoteApp Program was published for the QuickSessionCollection collection.
RemoteApp Program Status
WindowViewer Published
Viewer Published
Completion



Overview	PROPERTIES Properties of the colle	ction	TASKS 🔻
Servers	Collection Type	Session	
Collections	Resources	RemoteApp Programs	
ilate\2012TernStrvierTemplate.vmx ③ ↓	User Group	ACP-DG\Domain Users	
	REMOTEAPP PROGRAM Last refreshed on 5/5/2015 11	IS 1:29:02 AM Published RemoteApp programs 4 tota	
	7 111017		•
	RemoteApp Program Name	Alias Visible in RD Web Access	
	RemoteApp Program Name Calculator	Alias Visible in RD Web Access Calculator Yes	
	RemoteApp Program Name Calculator Paint	Alias Visible in RD Web Access Calculator Yes Paint Yes	
	RemoteApp Program Name Calculator Paint WindowViewer	Alias Visible in RD Web Access Calculator Yes Paint Yes view Yes	
	RemoteApp Program Name Calculator Paint WindowViewer WordPad	AliasVisible in RD Web AccessCalculatorYesPaintYesviewYesWordPadYes	
	RemoteApp Program Name Calculator Paint WindowViewer WordPad HOST SERVERS	AliasVisible in RD Web AccessCalculatorYesPaintYesviewYesWordPadYes	
	RemoteApp Program Name Calculator Paint WindowViewer WordPad HOST SERVERS Last refreshed on 5/5/2015 11	Alias Visible in RD Web Access Calculator Yes Paint Yes view Yes WordPad Yes 1:24:49 AM All servers 1 total	TASKS 💌

ATTACHMENTS

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