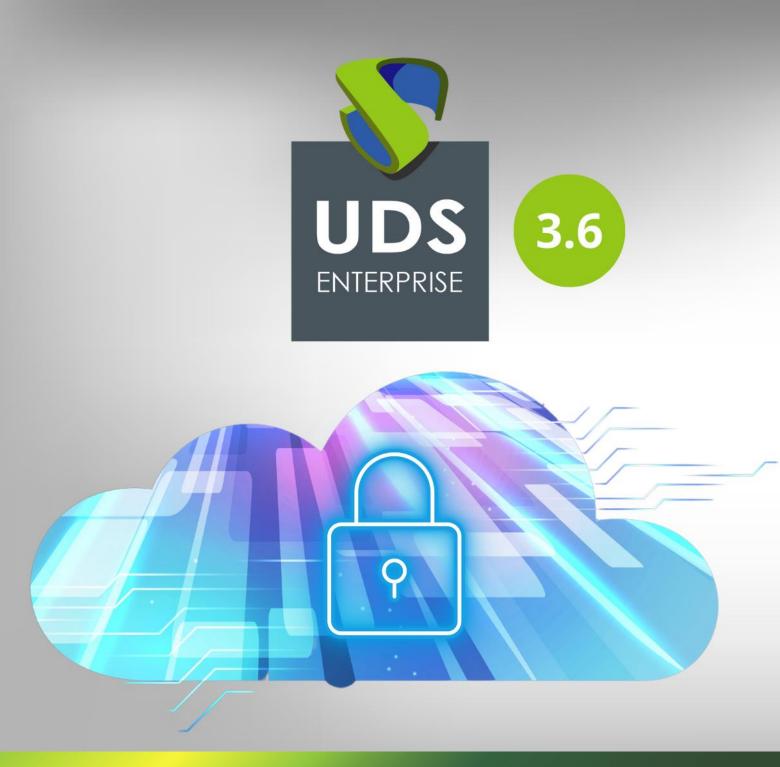


Windows aplications with UDS Enterprise 3.6





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Introduction

The UDS Enterprise VDI and vApp connection broker allows the deployment and management of remote Windows application sessions through the Microsoft Remote Desktop Services (RDS) service. These applications can be assigned to user groups.

Access to remote application sessions can be done through Windows and Linux OS with the installation of the "UDS Client" component and through any device that has a web browser with the HTML5 connection mode.

Users will run application sessions on Windows servers with the RDS role enabled and configured.

For the correct operation and integration of UDS Enterprise with RDS, it is necessary to perform a series of tasks that are detailed in this document.



Necessary elements

To configure the different elements that will make up the vApp environment with UDS Enterprise to serve Windows virtual applications, you will need:

Application servers (physical or virtual)

The Windows servers that will be in charge of providing the application sessions can be hosted on a virtualization platform or be physical servers. UDS Enterprise allows you to create groups of application servers. These groups can be made up of virtual and physical servers.

The application servers (physical or virtual) must have sufficient resources (vCPU, vRAM, and disk) to be able to run the applications.

Windows OS for vApp Servers

To deploy virtual applications it will be necessary to use the following OS:

- Windows 2012 R2
- Windows 2016
- Windows 2019

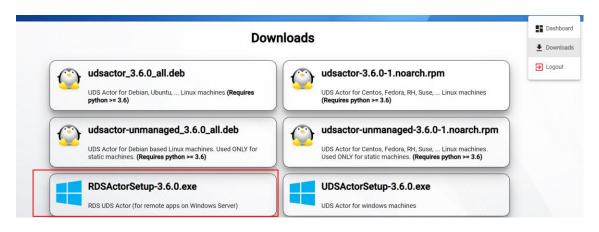
In this example, it will be use a Windows Server 2019 image:





RDS Actor

To download the RDS Actor it is necessary to validate in the UDS Enterprise login window with a user with administrator permissions. Display the user menu and access the downloads. In this window download the Actor for Windows machines, specifically for RDS servers.



Various

To carry out the following procedure, it will be necessary to have a domain user with administration permissions on the RDS server.



Application server configuration

The following are all the necessary tasks to perform on the RDS application server.

OS Windows Server

Start with the machine that you will use as a server.

The installation will be carried out with the default values and indicating some resources (disk, vRAM and vCPUs) according to the requirements of the applications that you will install on the machine.

ρ	
Windows Server [®] 2019	
Language to install: English (United States)	•
yboard or input method: US	•
Enter your language and other preferences and click "Next" to continue.	
t Corporation. All rights reserved.	Next
	Windows Server* 2019 Languag <u>e</u> to install: <mark>English (United States)</mark> me and currency format: <mark>English (United States)</mark> yboard or input method: US

Once the Windows server image has been downloaded, proceed to install it:



When you get to the part of the installation wizard where it asks us to select the type of OS, choose the option **"Desktop Experience".**

Vindows Server 2019 Standard (Desktop Experience) x64 3/12/2019 Vindows Server 2019 Datacenter x64 3/12/2019 Vindows Server 2019 Datacenter (Desktop Experience) x64 3/12/2019 scription: scription: scription:	Operating system	Architecture	Date modified
Vindows Server 2019 Datacenter x64 3/12/2019 Vindows Server 2019 Datacenter (Desktop Experience) x64 3/12/2019 scription:	Vindows Server 2019 Standard	хб4	3/12/2019
Vindows Server 2019 Datacenter (Desktop Experience) x64 3/12/2019	Vindows Server 2019 Standard (Desktop Experience)	хб4	3/12/2019
scription:	Windows Server 2019 Datacenter	хб4	3/12/2019
	escription: his option installs the full Windows graphical environment,	, consuming extra d	rive space. It can b
	eful if you want to use the Windows desktop or have an ap		

Once the OS installation is complete, it is important to install the virtual machine drivers corresponding to the virtualization platform. In this example the **"VMware tools"** will be installed, since the OS will run on the VMware vSphere virtual platform.



RDS Actor Installation

The following requirements must be met:

- Have an updated Windows Server 2012 R2, 2016,2019 or 2022 OS. (Installed and configured in the previous section).
- Have the IP of the broker, as well as an administrator user of the same.
- The server must have a fixed IP address.
- The server has to be part of a domain.

Before proceeding to install and configure RDS, it is necessary to install the UDS Actor. From the UDS Enterprise download page select and download the actor for RDS servers **(RDS UDS Actor)**.

Down	loads	∎ Da
UDS Actor for Debian, Ubuntu, Linux machines (Requires python >= 3.6)	UDS Actor for Centos, Fedora, RH, Suse, Linux machines (Requires python >= 3.6)	€ 10
UDS Actor for Debian based Linux machines. Used ONLY for static machines. (Requires python >= 3.6)	UDS Actor for Centos, Fedora, RH, Suse, Linux machines. Used ONLY for static machines. (Requires python >= 3.6)	
RDSActorSetup-3.6.0.exe RDS UDS Actor (for remote apps on Windows Server)	UDSActorSetup-3.6.0.exe	

It will be installed on the Windows server:





The license agreement is accepted:

💎 UDS Enterprise RDS Actor Setup — 🗌	\times
License Agreement Please review the license terms before installing UDS Enterprise RDS Actor.	\$
Press Page Down to see the rest of the agreement.	
Copyright (c) 2012-2022 Virtual Cable S.L.U. All rights reserved.	^
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:	
 Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 	~
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install UDS Enterprise RDS Actor.	
UDS Enterprise	
< Back I Agree Can	icel

Choose an install location:

The set of th
Setup will install UDS Enterprise RDS Actor in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.
Destination Folder C:\Program Files\RDSActor Browse
Space required: 77.5 MB Space available: 28.0 GB
UDS Enterprise

Once the installation is finished, run the UDS Actor:

💎 UDS Enterprise RDS Actor Setup	1	×
Installation Complete Setup was completed successfully.		8
Completed		
Show details		



The address of the UDS server, an authenticator and a user with administrator permissions that belongs to the selected authenticator are displayed.

💔 UDS Actor Co	nfiguration Tool	?	\times
SSL Validation	Ignore certificate		\sim
UDS Server	192.168.0.6		
Authenticator	dbinterna		\sim
Username	udsadmin		
Password	•••••		
Log Level	ERROR		\sim
Register	with UDS Test configuration Close	3	

Once all the data has been indicated, click on "Register with UDS" to register the Actor with your UDS server:

😽 UDS Actor Co	nfiguration Tool	?	×				
SSL Validation	Ignore certificate		~				
UDS Server	DS Server 192.168.0.6						
Authenticator	dbintern 💎 UDS Registration X		~				
Username	udsadmin Registration with UDS completed.						
Password	••••••						
Log Level	ERROR		\sim				
Register	with UDS Test configuration Clos	e					

Click on **"Test configuration"** to confirm that all the data is correct:

😽 UDS Actor Co	onfiguration Tool	?	×
SSL Validation	Ignore certificate		\sim
UDS Server	192.168.0.6		
Authenticator	dt 🔻 UDS Test 🛛 🕹		\sim
Username	uc Configuration for 192.168.0.6 seems to be correct.		
Password	ок		
Log Level	ERECK		\sim
Register	with UDS Test configuration Clos	e	

Once the UDS Actor for Windows RDS servers is installed, proceed with the installation and configuration of Microsoft Remote Desktop Services.

NOTE: It is necessary that in the UDS environment there is at least one authenticator.



Remote Desktop Service (RDS) Installation

The following requirements must be met:

- Have an updated Windows Server 2012 R2, 2016,2019 or 2022 OS.
- The server must have a Static IP address.
- The server has to be part of an Active Directory (AD) domain.

Once the requirements are met, you can move on to the installation.

The server administrator is accessed to add said service:

🚘 Server Manager					- 0	X
Correction	oard	• 🕲 🖡	Man	<mark>age</mark> Tools	View	Help
<u> </u>				Add Roles ar	nd Features	
	WELCOME TO SERVE	D MANACED		Remove Role	es and Featu	ures
Dashboard	WELCOWE TO SERVE	RMANAGER		Add Servers		
Local Server				Create Serve	r Group	
All Servers		1 Configure		Server Mana	ger Propert	ies
Eilo and Storago Sonvices			·			

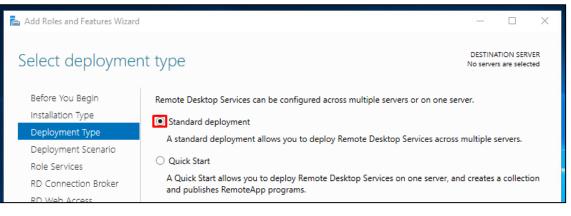
In the wizard follow the following steps:

Installation type.





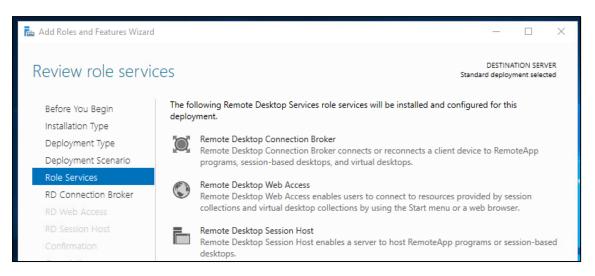
Type of deployment.



Deployment scenario:



A summary of what will be installed appears:





The server where each element will be installed must be indicated:

📤 Add Roles and Features Wizard					2_2		×
Specify RD Connection Broker server					DESTINA andard deployr	TION SERVE	
Before You Begin Installation Type Deployment Type	Select the servers from the s	erver pool on whi	ch to install the	e RD Connection B Selected	Broker role se	rvice.	
Deployment Scenario Role Services	Filter:			Computer			
RD Connection Broker	Name	IP Address	Operating	WIN-E3CBP			
RD Web Access	WIN-E3CBPGNF05B.vc.lo	192.168.15.93					

📥 Add Roles and Features Wizard	4				1. 		×
Specify RD Web Access server					TION SERV ment select		
Before You Begin Installation Type	Select a server from the serv				ice.		
Deployment Type Deployment Scenario	Server Pool			Selected			
Role Services RD Connection Broker	Filter:			Computer			
RD Web Access	Name	IP Address	Operating	 VC.LOCAL WIN-E3CBPGNF0 			
RD Session Host	WIN-E3CBPGNF05B.vc.lo	192.168.15.93					

📥 Add Roles and Features Wizard					87		×
Specify RD Session Host servers				Sta	DESTIN/ andard deploy	ATION SERV ment select	
Before You Begin Installation Type Deployment Type	Select the servers from the one server is selected, the Server Pool					If more ti	han
Deployment Scenario Role Services RD Connection Broker RD Web Access	Filter:	IP Address	Operating	Computer VC.LOO WIN-E3CBPO			
RD Session Host	WIN-E3CBPGNF05B.vc.lo	192.168.15.93					



The installation is confirmed and its deployment is carried out:

Confirm selection	DESTINATION SERVER	
Commit selection	INS 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	WIN-E3CBPGNF05B.vc.local	
Role Services	RD Web Access (1 server selected)	
RD Connection Broker RD Web Access	WIN-E3CBPGNF05B.vc.local RD Session Host (1 server selected)	
RD Session Host	A The following servers may restart after the role service is installed.	
Confirmation Completion	WIN-E3CBPGNF05B.vc.local	
	Restart the destination server automatically if required	12
dd Roles and Features Wizard	< Previous Next > Deploy Cancel	
dd Roles and Features Wizard EW progress Completion	DESTINATION Standard deployment The selected Remote Desktop Services role services are being installed.	I SERVI
ew progress	DESTINATION Standard deployment The selected Remote Desktop Services role services are being installed.	I SERVI
ew progress	DESTINATION Standard deployment The selected Remote Desktop Services role services are being installed.	I SERVI
ew progress	DESTINATION Standard deployment The selected Remote Desktop Services role services are being installed. Server Progress Status RD Connection Broker role service	I SERVI
ew progress	DESTINATION Standard deployment The selected Remote Desktop Services role services are being installed. Server Progress Status RD Connection Broker role service WIN-E3CBPGNF05B.vc.local In Progress	I SERVI
ew progress	DESTINATION Standard deployment The selected Remote Desktop Services role services are being installed. Server Progress Status RD Connection Broker role service WIN-E3CBPGNF05B.vc.local Succeeded RD Web Access role service Succeeded	I SERVI
ew progress	DESTINATION DESTINATION Standard deployment The selected Remote Desktop Services role services are being installed. Server Progress Status RD Connection Broker role service WIN-E3CBPGNF05B.vc.local Succeeded RD Web Access role service WIN-E3CBPGNF05B.vc.local In Progress	I SERV
ew progress	DESTINATION Standard deployment The selected Remote Desktop Services role services are being installed. Server Progress Status RD Connection Broker role service WIN-E3CBPGNF05B.vc.local Succeeded RD Web Access role service In Progress RD Session Host role service In Progress	I SERVI
ew progress	DESTINATION Standard deployment The selected Remote Desktop Services role services are being installed. Server Progress Status RD Connection Broker role service WIN-E3CBPGNF05B.vc.local Succeeded RD Web Access role service In Progress RD Session Host role service In Progress	I SERVI



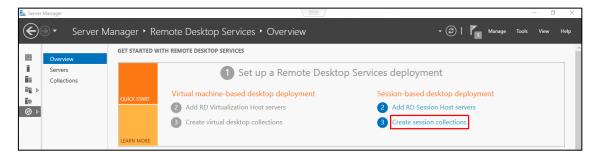
The server will restart automatically (if you have indicated so) and the installation will finish:

📥 Add Roles and Features Wizard				-		Х
View progress	The selected Remote Desktop S	ervices role services are being inst		DESTINA Standard deploy	ATION SERV ment selec	
	Server	Progress		Status		
	RD Connection Broker role se WIN-E3CBPGNF05B.vc.local		Succeeded	ł		
	RD Web Access role service WIN-E3CBPGNF05B.vc.local		Succeeded	ł		
	RD Session Host role service WIN-E3CBPGNF05B.vc.local		Succeeded	ł		
		< Previous Next >		Close	Cance	9



Configuring RDS with UDS Enterprise

Once the RDS role is installed and the server restarted, proceed to the creation of a new RDS collection. To do this, choose **"Create session collections"** or access the **"Collections"** section and select **"Create Session Collection"**:



In the creation wizard the following will be indicated:

Indicate a name for the new collection.

🚡 Create Collection	– 🗆 X
Name the collect	on
Before You Begin	A session collection name is displayed to users when they log on to a Remote Desktop Web Access
Collection Name	server.
RD Session Host	Name: UDS
User Groups	UDS
User Profile Disks	Description (optional):
Confirmation	
Progress	

The server "RD Session Host Servers" is added:

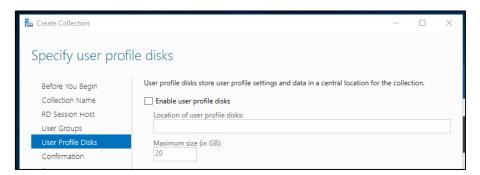
Create Collection					- [ı x
Specify RD Sessio	on Host server	S				
Before You Begin Collection Name	Select the RD Session	Host servers from the s	server pool to a	add to this collection Selected	L.	
RD Session Host	Server Pobl					
User Groups	Filter:			Computer		
User Profile Disks				VC.LOCAL	L (1)	
Confirmation	Name	IP Address	Operat	WIN-E3CBPGNF	05B	
Progress	WIN-E3CBPGNF05B.	vc.lo				



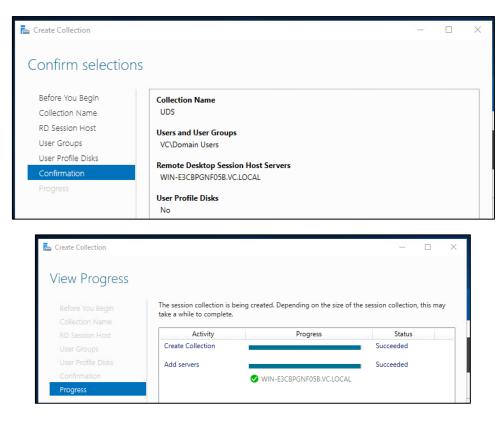
You select which groups of users will be able to access the collection. Leave the group **"Domain Users"** as it comes by default to allow all users and perform group filtering from the UDS Enterprise administration.

📥 Create Collection		8 <u>00</u>		×
Specify user grou	ups			
Before You Begin	Add the user groups that should have access to connect to the collection.			
Collection Name	User Groups:			
RD Session Host	VC\Domain Users		Add	
User Groups		1	Remov	e
User Profile Disks				

It indicates where the user's profile will be stored. In case you do not enable it, a temporary profile will be created, which will be deleted when the user disconnects.



Confirm and create the collection.





Publishing the RDS Actor to the RDS server

Once the collection is created, select "Publish RemoteApp Programs".

📥 Server	Manager			
	Server M	anager • Remote Desktop Services	Collections • UDS	
	Overview Servers Collections UDS	PROPERTIES Properties of the collection Collection Type Session Resources Remote Desktop User Group VC\Domain Users	TASKS	CONNECTIONS Last refreshed on 4/30/202 Filter Server FQDN User Sess
		REMOTEAPP PROGRAMS Published RemoteApp programs 0 total Remote Desktop is published for the users of t	TASKS Publish Remote Unpublish Remote	App Programs

You will have to add and select the RDS Actor in the **"RemoteApp Programs"** list. For this, the UDS Actor for RDS must be previously installed.

Click on **"Add"** and select the UDS Actor in the path:

C:\Program Files\RDSActor\RDSActor.exe

RemoteApp Programs	the list, click Add.	ish to the UDS collection. To add a RemoteApp program
Publishing	The RemoteApp programs are populated	I from WIN-E3CBPGNF05B.VC.LOCAL.
	RemoteApp Program	Location
	System Configuration	%SYSTEMDRIVE%\Windows\system32\msconfi
	System Information	%SYSTEMDRIVE%\Windows\system32\msinfo3
	🗌 🎣 Task Manager	%SYSTEMDRIVE%\Windows\system32\taskmgr
	🗌 💽 Windows Media Player	%SYSTEMDRIVE%\Program Files (x86)\Windows
	Windows Memory Diagnostic	%SYSTEMDRIVE%\Windows\system32\MdSche
	🔲 🌐 Windows Speech Recognition	%SYSTEMDRIVE%\Windows\Speech\Common\s
	WordPad	%SYSTEMDRIVE%\Program Files\Windows NT\
	A A A A A A A A A A A A A A A A A A A	%SYSTEMDRIVE%\Windows\system32\xpsrchv
	RDSActor	c:\Program Files\RDSActor\RDSActor.exe
		-
	<	>



The publication is confirmed and made:

🔁 Publish RemoteApp	Programs	– 🗆 X
Confirmatio	n	
RemoteApp Progr Confirmation Publishing Completion	1 RemoteApp program: RemoteApp Program	be published is correct, and then click Publish. Location rogram Files\RDSActor\RDSActor.exe
	< Previous	Next > Publish Cancel
Publish RemoteApp Programs		- □ >
Completion		
Completion RemoteApp Programs	The selected RemoteApp programs were pub	
	The selected RemoteApp programs were pub 1 RemoteApp program was published for the	
RemoteApp Programs		

Once created, edit its properties:

🚡 Server N	/lanager	
\mathbf{E}	 Server Ma 	anager • Remote Desktop Services • Collections • UDS
	Overview Servers Collections UDS	PROPERTIES Properties of the collection Collection Type Session Resources RemoteApp Programs User Group VC\Domain Users REMOTEAPP PROGRAMS Last refreshed on 4/30/2021 6:10:17 AM Published RemoteApp programs 1 total
		Filter P III IIII RemoteApp Program Name Alias Visible in RD Web Access RDSActor RDSActor Yes



In the "General" section mark "No" in "Show the RemoteApp program in RD Web Access".

Properties	— D X
RDSActor (UDS Co	llection)
Show All General Parameters User Assignment File Type Associati +	General RemoteApp program name: RDSActor Alias: RDSActor
	RemoteApp program location: c:\Program Files\RDSActor/RDSActor.exe
	Show the RemoteApp program in RD Web Access O Yes No Type the name of the folder in which you want this RemoteApp program to appear on the RD Web Access server. If you do not want the RemoteApp program to appear
	in any folder, leave this field blank. RemoteApp program folder: v
	OK Cancel Apply

In the "Parameters" section select "Allow any command-line parameters".

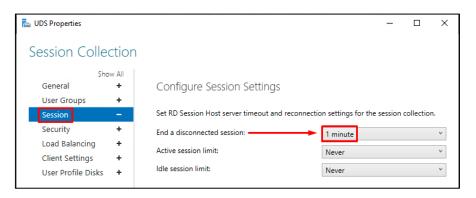
here Properties		-		×
RDSActor (UDS Co	ollection)			
Show All General + Parameters - User Assignment +	Command-line Parameters Do not allow any command-line parameters 			
File Type Associati +	Allow any command-line parameters			
	🛕 By allowing this RemoteApp program to run with any command-line parameter, your server may be vulnerable to malicious software.			
	Always use the following command-line parameters			
	OK	cel	Apply	/

Changes are applied and accepted. It is recommended to indicate a time to end the sessions of disconnected users. In this way, you will release users and their licenses when they disconnect from their virtual application. To do this, edit the properties of the collection:

Server	^{Manager} Э▼ Server M	anager • Remo	ote Desktop Services •	Collections • UDS	
	Overview Servers Collections UDS	PROPERTIES Properties of the Collection Type Resources User Group	collection Session RemoteApp Programs VC\Domain Users	TASKS TASKS Edit Properties	CONN Last refr Filter
© ⊗ ⊳					Sciver



In the "Session" section indicate a minimum time for "End a disconnected session":



Once all these steps have been completed, you will have a valid RDS server to connect to the UDS server and be able to publish virtual applications for UDS Enterprise users.



UDS Enterprise Administration

Once completed all the previous steps, the integration with the application server will be carried out for the publication of the desired application service.

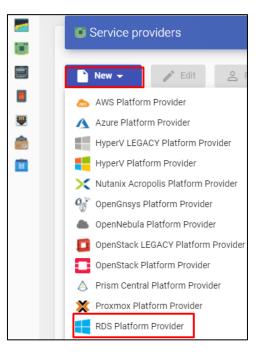
Follow the next steps:

Go to our UDS Enterprise control panel.

VDS UDS			🕂 UDS Client	i About	English 👻	udsadmin 👻
				Filter	с	DashboardDownloads
		Information				Ð Logout
	IPs	Client IP			~	
	Transports	UDS transports for this client			~	
	Networks	UDS networks for this IP			~	

RDS Server and UDS Enterprise connection

Access the services tab and create a new service provider:





A service name will be given and the IP of our RDS server.

Tags Tags for this element Name* RDS Windows Comments Comments for this element List of servers 192.168.15.93 Server Checking No	Main	User mapping	AD User manage
Tags for this element Name * RDS Windows Comments Comments for this element List of servers 192.168.15.93 Server Checking	Tags	_	
Name * RDS Windows Comments Comments for this element List of servers 192.168.15.93 Server Checking			
RDS Windows Comments Comments for this element List of servers 192.168.15.93 Server Checking			
Comments Comments for this element List of servers 192.168.15.93 Server Checking	Name *		
Comments for this element List of servers 192.168.15.93 Server Checking	RDS Windows		
Comments for this element List of servers 192.168.15.93 Server Checking			
List of servers 192.168.15.93 Server Checking	Comments		
192.168.15.93 Server Checking	Comments for this el	ement	
192.168.15.93 Server Checking			
Server Checking			
No	192.168.15.93		
	192.168.15.93		
	192.168.15.93 Server Checking		

NOTE: The same RDS service can have several IPs that connect different existing RDS servers, thus achieving high availability of the applications. In addition, when indicating several IPs you must mark the "Server Checking" check.

When the login in UDS Enterprise is done through a user who is not in the Active Directory (AD), you must define the following options in the **"User mapping"** tab:

- **"Yes"**: Indicates that specific users (indicated in the **"Users"** section) will be used to access the applications.
- "No": You will use the user of the UDS Enterprise login portal to access the applications (in this case, you must be an AD user).
- **"Users"**: Only applies if **"User mapping"** is **"Yes"**. They will be mapping users belonging to an Active Directory that will be able to log in to the RDS application servers and that will be used by UDS Enterprise only to execute an application session.
- **"User`s password"**: Password of all the users indicated in the previous section. All mapping users need to have the same password.

Edit provider		
Main	User mapping	AD User management
User mapping		
Yes		
Users		
user01@vdi.local, us	er02@vdi.local, user03@	0vdi.local, user04@vdi.local, user05@vdi.local, (15 more
User's password		
•••••		Θ



You can also use the "AD User Management".

NOTE: Only enable "**User auto creation on AD**" in case you need to specify users from an AD domain. These users will be automatically created by UDS.

User auto creation on AD: **"Yes**" Indicates that specific users auto-created by UDS in an AD will be used to access the applications. **"No**" will use the user of the UDS login portal to access the applications (in this case it must be an AD user).

AD Server: IP or name of the Active Directory server where the new users will be created (the server must have the connection via LDAPS enabled).

Port: Port used in the connection.

AD server OU for created users: Organizational unit where the new users will be created

Username: Domain user with permissions to create and delete users. In format: user@domain.xxx

Password: Password of the indicated user.

Prefix for created users: Prefix that will be added to the name of the user created in the AD. The final name of the created user will be : **prefix+prefix_user**

NOTE: Only one of the two methods can be activated for user mapping "**User mapping**" or "**User auto creation on AD**".

New provider Main	User mapping	AD User management	
	user mapping	AD User management	_
User auto creation on AD			
ee Yes			
AD Server			
192.168.11.99			
Port *			
636			
AD server OU for created users			
OU=UDS Users,DC=vc,D	C=local		
Username			
administrator@vc.local			
Password			
			0
Prefix for created users			
UDS_			
AD Domain			
vc.local			
AD Group			
UDS			
test		Discard & close	Save
lest		Discard & close	Save



Once you have created your service provider, within it the base application to be served will be defined. (In this example the Windows calculator has been chosen).

A name and the execution path of the application will be entered:

		New service
		Tags for this element Name * Windows Calc
	Services of RDS Server	Comments Comments for this element Application path *
88	New → ✓ Edit RDS Platform RemoteAPP	C:\Windows\system32\win32calc.exe Application parameters Applications parameters, as will be passed in command line Start path Path where the app will be started on. (i.e. f.\example\folder)
	RDS Platform Session	Max. Allowd services * 0

Additionally, other parameters can be defined if desired:

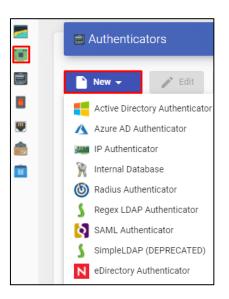
- **Application Parameters**: You can pass parameters to any application in this field to customize its execution.
- **Start Path**: Path where the application will be executed.
- Max. Allowed services: Maximum number of application sessions: (0 = unlimited).



Authentication method

The way in which users will access the UDS Enterprise environment will be created and configured.

This step will be carried out in the **"authenticators"** tab, being able to choose between the following authentication systems:



NOTE: You must take into account the way in which your users will login to UDS Enterprise, since in this case if the users who access UDS Enterprise do not do so through the AD to which the RDS server belongs, you must indicate in the service the mapping of users so that they are those with which the application is accessed.

In this example, an Active Directory-based authentication system will be used.

For more information on how to register an authentication system, you can consult the <u>UDS</u> <u>Enterprise 3.6 Installation, Administration and User Manual</u>



OS Manager

Within the "OS Manager" tab, clicking on "New" will select "RDS OS Manager".

Choose a name for the **OS Manager**:

	New OS Manager
OS Managers	Tags for this element
 New - Edit Permit Linux OS Manager Linux Random Password OS Manager RDS OS Manager Windows Basic OS Manager Windows Domain OS Manager Windows Random Password OS Manager 	Name * RDS OS Windows Comments Comments for this element Max. session time * 24 Discard & close Save

NOTE: In an "RDS OS Manager" the minimum parameters to configure are:

- Name: Name of the "OS Manager".
- Max. 26 session time: Maximum time that the session of an application registered in UDS Enterprise will remain. Expressed in hours (0 = unlimited).



Transport

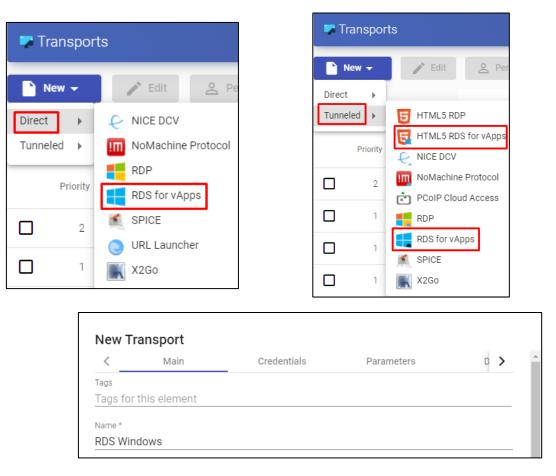
The way users will connect to your virtual application service will be created and configured.

In the tab "Connectivity > Transport", click on "New".

The appropriate transport will be configured for each case:

Direct Connection (LAN)

Tunnel connection (WAN or HTML5)



In this example, it will be used the direct transport "RDS for vAPPs"

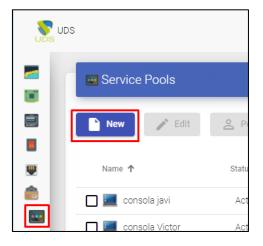
For more information on how to create a transport for RDS applications, you can refer to the <u>UDS Enterprise 3.6 Installation, Administration and User Manual</u>



Service Pool

Once you have completed the previous steps and you have all the necessary elements available, you can configure the Service Pool.

In the tab "Pools> Pool of service", you will click on "New".



A descriptive name will be entered for the application to be published, the base service and its OS Manager.

Main	Display	Advanced	Availability
Tags			
Tags for this element			
Name *			
Windows Calc			
Oh ant a sea			
Short name Short name for user se			
Short name for user se	ervice visualization		
Comments			
Comments for this ele	ment		
Base service			
RDS Windows\Windov	vs Calc		
OS Manager			
RDS OS Windows			
RDS OS Windows Publish on creation			
OS Manager RDS OS Windows Publish on creation Yes			



DS						
Service Pools						
New 🖍 Edit	A Permissions	†↓ Export	👿 Delete		Filter	
Name 🗸	Status	User services	In Preparation	Usage	Visible	Shows transports
 Windows Calc	Active	0	0	0%	yes	yes

Once the service is created, enter it to assign the transport:

		_	
Summary	Assigned services	Groups	Transports
🌄 Assigned	transports		
New	↑ Export Delete		
New tran	sport for Windows Cal	c	
new dan		•	
Transport			
RDS Windo	NS		*

The user groups that you want to access this service will also be added:

	UDS
	← 편 Windows Calc
	Summary Assigned services Groups
	Assigned groups
ê	New t Export Delete
	Name
Ŷ	UDS@AD
	Vc@dbinterna

For more information on how to create a service pool for RDS applications, you can consult the <u>UDS Enterprise 3.6 Installation, Administration and User Manual</u>

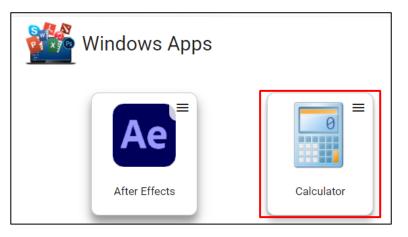


Access to Windows applications

Once all the previous configuration is finished, access the service. This access can be done from Windows OS (server and desktop) and from Linux OS.

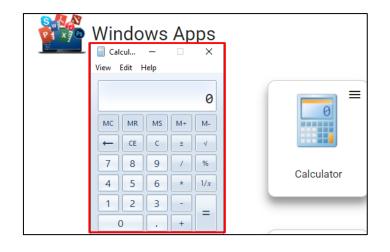
Access the UDS Enterprise login portal and validate ourselves with a previously configured user belonging to AD.

In the user services window, you will be able to see the available service:



Enter the Windows calculator service by clicking on the application. It is necessary to have previously installed the UDS Client:

Launching service	
Please wait until the service is la Remember that you will need the UDS cli access the service.	
	Close (4 seconds)



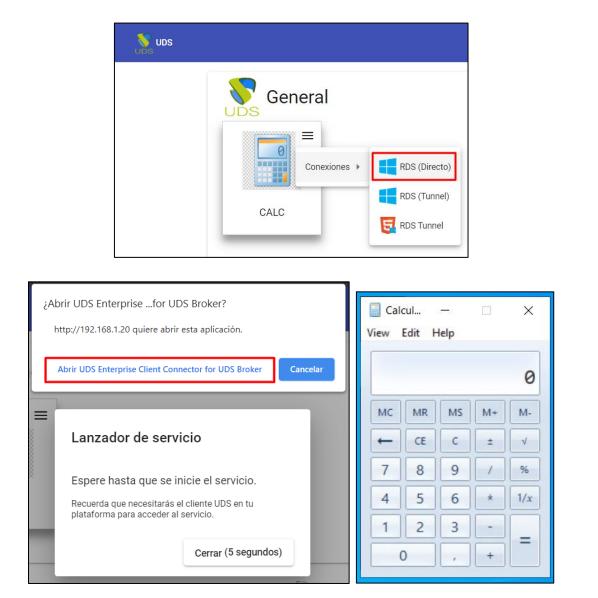


Different methods of accessing a vApp service

One or more access modes (transports) can be assigned to the same vApp service, depending on our needs:

Direct (LAN)

RDS



NOTE: This type of connection requires having the UDS Client previously installed on the connection client computer. It will be necessary to have, in the connection client, a Windows or Linux OS



Tunneling (LAN and WAN)

RDS (Tunnel)

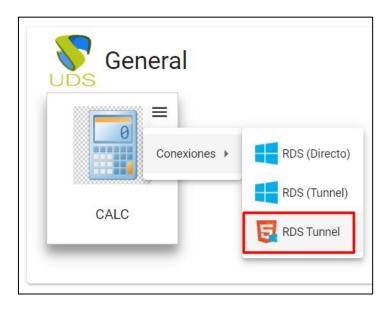
General	
Conexiones >	RDS (Directo)
CALC	RDS Tunnel

Calo View				×
				0
MC	MR	MS	M+	M-
-	CE	с	±	√
7	8	9	/	%
4	5	6	*	1/x
1	2	3	-	
0		,	+	

NOTE: The connection will be made in the same way as the direct one (it also requires having the UDS Client installed), but it will be made through the tunnel server, offering the possibility of connecting through the WAN. It will be necessary to have, in the connection client, a Windows or Linux OS.



HTML5 RDS for vApps



🏷 Uds	X DDS Remote Connection X
$\leftrightarrow \rightarrow G$	▲ No es seguro 192.168.1.82:10443/transport/?kw5ruqqn
	📄 Calcul − 🗆 × View Edit Help
	0
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	7 8 9 / %
	4 5 6 * 1/x
	0,+

NOTE: The HTML5 connection type for vApps does NOT require the UDS Client. Furthermore, it can be used in both LAN and WAN connections. The accesses can be made from any OS with a current browser.



About Virtual Cable

Virtual Cable is a company specialized in the **digital transformation** of the **workplace**. The company develops, supports and markets UDS Enterprise. Its team of experts has designed **VDI** solutions tailored to **each sector** to provide a unique user experience fully adapted to the needs of each user profile. Virtual Cable professionals have more than **30 years of experience** in IT and software development and more than 15 in virtualization technologies. **Millions of Windows and Linux virtual desktops with UDS Enterprise are deployed all over the world every day**.