Network license system installation for DeskArtes Expert Series 10.0 programs



Index

Network license system installation for DeskArtes Expert Series 10.0 programs1
About this document
Requirements
Terminology4
Installing the license server
Getting the hostid number and hostname for the license7
Installing the license
Starting the license server
Checking the license server status
Shutting down the license server
Running the license server as a Windows service
Installing rlm as a Windows service using the "Manage Windows Service" tool16
Installing rlm as a Windows service using the rlm command19
Starting rlm service using the Windows Services control panel20
Stopping rlm service using the Windows Services control panel21
Removing rlm service using the "Manage Windows Service" tool22
Removing rlm service using the rlm command24
Checking the rlm service removal with the Windows Services control panel25
The rlm license server log file25
Additional information25
Network license client configuration in 3Data Expert26

About this document

This document explains the operations needed to configure the DeskArtes Expert Series programs to use the Reprise License Manager (RLM) floating network license system, instead of the default DeskArtes standalone licenses.

The instructions in this document are written for the DeskArtes Expert Series version 10.0 installation packages, containing Reprise RLM version 9.2 license server and tools.

For further information about the Reprise RLM system you can check the Reprise end user manual at their web-site (<u>http://www.reprisesoftware.com/RLM_Enduser.html</u>).

The document is written using the 3Data Expert 10.0 (64-bit) as an example, but the same instructions can be applied also for the other DeskArtes Expert Series programs: 3Data Expert Lite, Dimensions Expert, View Expert and Design Expert (64-bit and 32-bit).

Requirements

The machines running the DeskArtes Expert Series programs with the Reprise RLM network license system have to be connected to the machine running the license server with a network using the TCP/IP protocol.

The user account doing the installation must have the administrative rights.

Terminology

The Reprise RLM network license system configured for DeskArtes 3Data Expert consists of the parts illustrated in the following figure.



License server machine	The machine where the license server is running.
License client machine	A machine where DeskArtes 3Data Expert is running.
License server program	The program (rlm.exe) controlling the license usage in the network, with help of the ISV server.
ISV server settings file	A platform independent settings file for a ISV server (deskartes.set for DeskArtes programs, like 3Data Expert).
License file	A text file containing the list of available licenses and ISV servers.
RLM utilities	A set of small command line utility programs for handling the license server (rlmutil.exe, rlmhostid.exe, rlmstat.exe, rlmdown.exe, etc.).

Installing the license server

Get the DeskArtes license server installation package (ES10LicenseServer_x64.zip) for 3Data Expert 10.0 (64-bit).

It is found in the "DALicenseServer" subdirectory of the 3Data Expert 10.0 (64-bit) installation directory (default: "C:\Program Files\DeskArtes 3Data Expert 10.0\DALicenseServer").



Copy the installation package to the machine that you want to make a license server.

Note: To be able to run the 64-bit versions of the license server and tools, included in the 64-bit 3Data Expert installation, the machine you choose to be the license server needs to have a 64-bit Windows version. The 32-bit versions of the license server and tools can be found in the installation packages of 32-bit Expert Series program, or downloaded from the DeskArtes web site (www.deskartes.com).

Create a new directory for the license server at the server machine (for example: "C:\Reprise").

Extract the contents of the license server installation package (ES10LicenseServer_x64.zip) to that directory.

rganize 💌 Include in library 💌	Share with 💌 🛛 Bur	n New folder	-	= • 🗖
 HP Universal Print Driver MSOCache PerfLogs Program Files Program Files (x86) ProgramData Qt QtSDK Reprise3 reprise3 reprise7 reprise9x64 rlm Testing 	Name ^ ^ deskartes.set rlm.exe rlmclient.exe rlmdown.exe rlmhostid.exe rlmnewlog.exe rlmrefresh.exe rlmrefresh.exe rlmreread.exe rlmreread.exe rlmstat.exe rlmswitch.exe rlmswitch.exe rlmswitch.exe rlmswitch.exe		Date modified 1.2.2012 18:08 30.10.2011 18:00 1.2.2012 18:08 30.10.2011 18:00 30.10.2011 18:00 30.10.2011 18:00 30.10.2011 18:00 30.10.2011 18:00 30.10.2011 18:00 30.10.2011 18:00 30.10.2011 18:00	Type SET File Application Application Application Application Application Application Application Application Application
Imp Users Windows	I rimutil.exe		30.10.2011 18:00	Application

Getting the hostid number and hostname for the license

Open a Windows Command Prompt window.

Start->All Programs->Accessories->Command Prompt



Change current working directory to the license server installation directory ("C:\Reprise") using the "cd" command.



Run the command "rimhostid ether" to get the hostid number for creating the license.



Run the command "hostname" to get the hostname of the license server machine.



Send the Hostid number and Hostname to DeskArtes for creating the license. Include also information which version of the 3Data Expert you are going to run.

Indicate if you need a license for the Import Package too. A separate key is required, please see Import Package licenses.

Installing the license

When you receive the license file (for example "deskartes.lic"), copy it to the license server installation directory ("C:\Reprise").

anize 🔻 🛛 🎒 Open 🔻 🛛 I	Burn New folder	Ē	
📕 HP Universal Print Driver 🔺	Name	Date modified	Туре
MSOCache	deskartes.set	1.2.2012 18:08	SET File
PerfLogs	deskartes.lic	6.2.2012 13:29	LIC File
Program Files	III rlm.exe	30.10.2011 18:00	Application
Program Files (x80)	💷 rlmclient.exe	1.2.2012 18:08	Application
	💷 rlmdown.exe	30.10.2011 18:00	Application
Qt	💷 rlmhostid.exe	30.10.2011 18:00	Application
	🗾 rlmnewlog.exe	30.10.2011 18:00	Application
	rlmrefresh.exe	30.10.2011 18:00	Application
Febrice 7	Imremove.exe	30.10.2011 18:00	Application
	💷 rlmreread.exe	30.10.2011 18:00	Application
	💷 rlmstat.exe	30.10.2011 18:00	Application
Terting	Imswitch.exe	30.10.2011 18:00	Application
tmn	rlmswitchr.exe	30.10.2011 18:00	Application
Users	🗾 rlmutil.exe	30.10.2011 18:00	Application
📔 Windows 🔶 🚽		III	

Start the license server with command ".\rlm".

Command Prompt - .\rlm à. C:\Reprise).\rlm 03/01 00:10 (rlm) RLM License Server Version 9.2BL4 Copyright (C) 2006-2011, Reprise Software, Inc. All rights reserved. 03/01 00:10 (rlm) License server started on Pavilion 03/01 00:10 (rlm) Server architecture: x64_w3 03/01 00:10 (rlm) License files: 03/01 00:10 (rlm) deskartes.lic 03/01 00:10 (rlm) 03/01 00:10 (rlm) Web server starting on port 5054 03/01 00:10 (rlm) Using TCP/IP port 5053 03/01 00:10 (rlm) Starting ISU servers: 03/01 00:10 (rlm) ... deskartes on port 49589 03/01 00:10 (rlm) New thread created to watch ISU deskartes 03/01 00:10 (deskartes) RLM License Server Version 9.2BL4 for ISU "deskartes" 03/01 00:10 (deskartes) Settings from RLM Version 9.2BL4 for ISU "deskartes" 03/01 00:10 (deskartes) Server architecture: x64_w3 E Copyright (C) 2006-2011, Reprise Software, Inc. All rights reserved. RLM contains software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org) Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved. Copyright (c) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved. 03/01 00:10 (deskartes) 03/01 00:10 (deskartes) Server started on Pavilion (hostid: 00238b1338d5) for: 03/01 00:10 (deskartes) 3de_clitool 3de_igs2vda 3de_stl2igs 3de_stlcut 03/01 00:10 (deskartes) 3de_stlpart 3de_stlredu 3de_stlrefine 3de_tr2sli ce 03/01 00:10 (deskartes) 03/01 00:10 (deskartes) 3de_tr2st1 3de_trbool 3de_troffs 3de_trsupp 3de_vda2igs 3de_vda2tr 3de_vdaselect 3de_shellin 9 03/01 00:10 (deskartes) 3de_rapidcam 3de_vdainput 3de_surfcheck 3de_stlc

 03/01
 00:10
 (deskartes)
 3de_rapid

 heck
 3de_stlrep

 03/01
 00:10
 (deskartes)
 3de_mod 3d

 03/01
 00:10
 (deskartes)
 3de_vispla

 03/01
 00:10
 (deskartes)
 3de_vispla

 03/01
 00:10
 (deskartes)
 3de_vispla

 03/01
 00:10
 (deskartes)
 License files:

 3de_stlrepair 3de_encrypt 3de_communicate 3de_mod 3de_vis 3de_ncpath 3de_all 3de_trans 3de_visplus

Note 1: If you have a firewall program running on your license server, it will probably ask at this point if the program "rlm.exe" is allowed to connect to the network. Yo have to allow that for the client machines to be able to connect to the license server.

Windows Secur	ity Alert	X				
💮 Windo	ws Firewa	ll has blocked some features of this program				
Windows Firewall h	as blocked som	e features of rlm.exe on all public and private networks.				
	Name:	rlm.exe				
	<u>P</u> ublisher:	Reprise Software Inc.				
	Pat <u>h</u> :	C:\reprise9x64\rlm.exe				
Allow rlm.exe to co	mmunicate on t	hese networks:				
Private netw	orks, such as n	ny home or work network				
Public netwo because the	rks, such as th se networks of	ose in airports and coffee shops (not recommended ten have little or no security)				
What are the risks of allowing a program through a firewall?						
		Allow access Cancel)			

Note 2: You need to let the Command Prompt window exist as long as you want the license server to run. Closing the window will end the license server process. In this default configuration the license server also writes its log information to the same Command Prompt window. If you want to get the license server survive closing the Command Prompt, user logout etc. see the "Running the license server as a Windows service" section below.

Checking the license server status

The license server has an internal www-server waiting for connections at IP port 5054. So you can view the license server status information by connecting to that server with any web-browser (Internet Explorer, Firefox, Opera etc.). If running the browser at the license server machine the correct URL for the license server is

http://localhost:5054

Firefox This http://localhost:5054/home.as	p ·	+											- 0 <mark>- X -</mark>
localhost:5054/home.a	sp									⇔ ⊂ C	- Google		۸
Most Visited Getting Starte	ed 🔜 Latest H	leadlines	Pass	vordMaker.	One Coo	dezone FI -	- DevDav	Codez	zone FI - t	echday	TechDays 2009 de	ev.	» 🖸 Bookmarks
					Repris Copyright (se Lic	ense S	erver e Softwar	Admi re, Inc. Al	nistratio	n rved.		
RLM Administration Commands					Sta	atus for	r "rim" o	n Pavili	on (po	rt 5053)			
Choose a command						RLM	l software ve	rsion v9	.2 (build:	4)			
from the list below						RLI	M comm ver	sion	v1.1	_			
Status							debug log fi	e .	_stdout_				
Status							license lile:	s de	eskantes.				
Shutdown					1			1		-			
Reread/Restart Servers					rim Statis	stics S	Since Start	Since I	Midnight	Recent			
Switch Reportlog					Start til	me U3/	01 00:21:2.	03/01 0	00:21:23	0.(0/000)	23		
New Reportlog					Connect	ions	0 (0/sec)	0 (0)	(sec)	0 (0/sec)	_		
Switch Debuglog					Connect	Iono	0 (0,000)	0 (0)	,000)	0 (0/000)	21		
						_	EDIT rlr	n Option	IS				
Manage Windows Service							SHOW rlm	Debug	Log				
Activate License	ISV Servers												
Diagnostics	Name	port	Running	Restarts	Server Status	License	e Usage	Debug Lo	g	REREAD	OPTIONS	TRANSFER	SHUTDOWN
RLM Manual	deskartes	49986	Yes	0	deskartes	desk	artes	deskarte	es C	leskartes	deskartes	deskartes	deskartes
System Info	<u></u>	ا:ا											
About													
x													10 ·
				-		-							1.000

Shutting down the license server

To shut down the license server, run the command ".\rlmdown RLM -q" in another Windows Command Prompt window.

Command Prompt	x
c:\Reprise>dir Volume in drive C has no label. Volume Serial Number is 1A52-D270	
Directory of c:\Reprise	H
01.03.2012 00:06 <dir> . 01.03.2012 00:06 <dir> . 06.02.2012 13:29 4 499 deskartes.lic 01.02.2012 18:08 483 deskartes.set 30.10.2011 18:00 1 890 816 rlm.exe 01.02.2012 18:08 543 232 rlmclient.exe 30.10.2011 18:00 1 085 952 rlmdown.exe 30.10.2011 18:00 1 085 952 rlmnewlog.exe 30.10.2011 18:00 1 085 952 rlmremove.exe 30.10.2011 18:00 1 085 952 rlmsret.exe 30.10.2011 18:00 1 085 952 rlmsret.exe 30.10.2011 18:00 1 085 952 rlmswitch.exe 30.10.2011 18:00 1 085 952 rlmswitch.exe</dir></dir>	
c:\Reprise>	÷

In the Command Prompt window where you started the server, you can now see also the shutdown messages.

Command Prompt C:\Reprise).\rlm 03/01 00:10 (rlm) RLM License Server Version 9.2BL4 . Copyright (C) 2006-2011, Reprise Software, Inc. All rights reserved. 03/01 00:10 (rlm) License server started on Pavilion 03/01 00:10 (rlm) Server architecture: x64_w3 03/01 00:10 (rlm) License files: 03/01 00:10 (rlm) deskartes.lic 03/01 00:10 (rlm) deskartes.lic 03/01 00:10 (rlm) Web server starting on port 5054 03/01 00:10 (rlm) Using TCP/IP port 5053 03/01 00:10 (rlm) Starting ISU servers: 03/01 00:10 (rlm) ... deskartes on port 49589 03/01 00:10 (rlm) New thread created to watch ISU deskartes 03/01 00:10 (deskartes) RLM License Server Version 9.2BL4 for ISU "deskartes" 03/01 00:10 (deskartes) Settings from RLM Version 9.2BL4 for ISU "deskartes" 03/01 00:10 (deskartes) Server architecture: x64_w3 E Copyright (C) 2006-2011, Reprise Software, Inc. All rights reserved. RLM contains software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org) Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved. Copyright (c) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved. 03/01 00:10 (deskartes) 03/01 00:10 (deskartes) Server started on Pavilion (hostid: 00238b1338d5) for: 03/01 00:10 (deskartes) 3de_clitool 3de_igs2vda 3de_stl2igs 3de_stlcut 03/01 00:10 (deskartes) 3de_stlpart 3de_stlredu 3de_stlrefine 3de_tr2sli ce 03/01 00:10 (deskartes) 03/01 00:10 (deskartes) 3de_tr2st1 3de_trbool 3de_troffs 3de_trsupp 3de_vda2igs 3de_vda2tr 3de_vdaselect 3de_shellin g 03/01 00:10 (deskartes) Ø3/0100:10 (deskartes)3de_rapidcam 3de_outinput 3de_stheck3de_stlrepair 3de_encrypt 3de_co03/0100:10 (deskartes)3de_wis 3de_nopath 3de_a03/0100:10 (deskartes)3de_visplus03/0100:10 (deskartes)3de_visplus03/0100:10 (deskartes)3de_visplus03/0100:10 (deskartes)1de_visplus03/0100:10 (deskartes)deskartes.lic03/0100:10 (deskartes)deskartes.lic03/0100:10 (deskartes)deskartes.lic03/0100:16 (rlm) Shutdown request by jma@pavilion03/0103/0100:16 (rlm) Sending shutdown msg to deskartes (pid: 6216)03/0100:16 (rlm) deskartes - SHUTDOWN03/0100:16 (rlm) Shutting down rlm 3de_rapidcam 3de_vdainput 3de_surfcheck 3de_stlc 3de_stlrepair 3de_encrypt 3de_communicate 3de_mod 3de_vis 3de_ncpath 3de_all 3de_trans 3de_visplus C:\Reprise>

Running the license server as a Windows service

If you need to be able to get the license server to survive closing the Command Prompt, user logout etc. it is possible by defining the license server to run as a Windows service.

You can add a new rlm service to the Windows service list either using the "Manage Windows Service" tool in the rlm web interface or the rlm command in the Command Prompt.

Using the "Manage Windows Service" tool you need to do the following:

- Start the license server with the rlm command in the Command Prompt.
- Connect to the rlm web server with a browser ("http://localhost:5054").
- Select the "Manage Windows Service" tool.
- Fill in the service information and select the "INSTALL service" action.
- Press "Apply".

Using the rlm command you need to add following options to the command:

- The "-install service" option.
- The "-service_name" option followed by the name for the service ("rlm-deskartes").
- The "-dlog" option followed by the full path of the log file.
- The "-c" option followed by the full path of the license file.

Adding a new Windows service with either method does not start the license server. The startup type of the service is however set to "Automatic", so the service (the license server) will be automatically started at the next restart of the machine.

It is possible to start the new service also without a reboot, using the Windows Services control panel. If you added the service using the "Manage Windows Service" tool in the rlm web interface, you have to however first stop the rlm running for that, before starting a new instance of rlm through the service.

The installed rlm service can also be removed from the Windows service list using either the "Manage Windows Service" tool or the rlm command.

Using the "Manage Windows Service" tool you need to do the following:

- Connect to the rlm web server with a browser ("http://localhost:5054").
- Select the "Manage Windows Service" tool.
- Fill in the service information and select the "REMOVE service" action.
- Press "Apply".

Using the rlm command you need to add the "-delete_service" option to the command.

The service has to be stopped via the Windows Services control panel before it can be removed.

Installing rlm as a Windows service using the "Manage Windows Service" tool

For example if you have the license file (deskartes.lic) in the directory "C:\Reprise", want the logfile (repriselog.txt) to be written in the same directory and the service to be called "rIm-deskartes", you need to do the following.

Start the license server with the rlm command in the Command Prompt. (See the "Starting the license server" section above.)

Connect to the rlm web server with a browser ("http://localhost:5054").

Select the "Manage Windows Service" tool.

Firefox Fir	sp +		X
localhost:5054/home.a	asp		۹ م
Most Visited Getting Starte	ed 🔊 Latest Headlines 🦳 PasswordMaker. One 🦳 Codezone FI -	DevDay Codezone FI - techday TechDays 2009 dev	» 🖸 Bookmarks
Reprise	Reprise Lic Copyright (c) 2006-20	ense Server Administration	
RLM Administration Commands	Manage Windo	ws Service for RLM license server	
	Select the action to perform, fill in the form, and press "Apply".	y start the RLM license server.	
Choose a command from the list below			
Status		Service Definition	
Shutdown	Service Action:	INSTALL service -	
Reread/Restart Servers	Service Name:	rlm-deskartes	
	Service Description:	RLM License Server	
Switch Reporting	Server Debug Log:	C:\Reprise\repriselog.txt	
Switch Debuglog	Server License File Directory:	C:\Reprise	
Manage Windows Service	vvedserver port #. ISV server startup delay (seconds): Admin webserver disabled:	0	
Activate License	rimdown command disabled:		
Diagnostics	rlmremove command disabled:		
RLM Manual System Info		Apply	
About		Cancel	
x			* *

Fill in the service information

Service Name: rlm-deskartes Server Debug Log: C:\Reprise\repriselog.txt Server License File Directory: C:\Reprise

and select the "INSTALL service" action.

Press "Apply"

If the service is successfully installed, you see the following message.

Setup Windows Service for RLM license server

Service rlm-deskartes installed successfully. NOTE: Service rlm-deskartes has NOT been started.



Note: If you have the User Account Control (UAC) enabled on Windows Vista or 7, you might get an error message saying that "Service install failed. Error: Access to Service Control Manager denied."

The solution to this is to start a Command Prompt using the "Run as administrator" command, and then start the rlm for the web interface from that Command Prompt.

You can find the "Run as administrator" command in the popup menu that appears when you click the Start menu item for the Command Prompt (Start->All Programs->Accessories->Command Prompt) with the right mouse button.



Installing rlm as a Windows service using the rlm command

For example if you have the license file (deskartes.lic) in the directory "c:\reprise", want the logfile (repriselog.txt) to be written in the same directory and the service to be called "rlm-deskartes", you need to do the following rlm install command in the Windows command prompt.

```
rlm -install_service -service_name rlm-deskartes -dlog
c:\reprise\repriselog.txt -c c:\reprise\deskartes.lic
```

Administrato	or: Command Pro	ompt			
Directory	of C:\Repri	se			▲
31.12.2009	16:48	DIR>			• • • • • • • • • • • • • • • • • • •
31.12.2009 29.10.2009	16:48 < 14:51	DIR>	4	482	deskartes.lic
15.10.2009	01:35	្ន	409	479	deskartes.set
15.10.2009	01:35	T	397	312	rim.exe rlmclient.exe
09.06.2009 09.06.2009	17:56		933 933	888 888	rlmdown.exe rlmbostid.exe
09.06.2009	17:56		933	888	rlmnewlog.exe
09.06.2009	17:56		933	888 888	rimrerresn.exe rimremove.exe
09.06.2009	17:56 17:56		933 933	888 888	rlmreread.exe rlmstat.exe
09.06.2009	17:56		933	888	rlmswitch.exe
09.06.2009	17:56		933	888 888	rimswitchr.exe rimutil.exe
	14 File(2 Dir(s	s)	11 826	223 527	905 bytes 744 bytes free
C:\Renwise)	⊳lm −instal	1 sem	lice	-sei	- wice name rlm-deskartes -dlog c:\renrise\ren
riselog.txt	-c c:\repr	ise\de	eskar	tes.	lic
C:\Reprise>	S.				~

Note: If you have the User Account Control (UAC) enabled on Windows Vista or 7, you might get an error message saying that "Error: Access to Service Control Manager denied."

The solution to this is to start a Command Prompt using the "Run as administrator" command, and then run the rlm command in that Command Prompt.

You can find the "Run as administrator" command in the popup menu that appears when you click the Start menu item for the Command Prompt (Start->All Programs->Accessories->Command Prompt) with the right mouse button.

Starting rlm service using the Windows Services control panel

Note: If you installed the rlm Windows service using the "Manage Windows Service" tool, you have to close the browser window and stop the rlm.exe run for that in a Command Prompt window. Otherwise you end up in running two license server instances.

Open the Windows Services control panel. In different versions of Windows it is found in slightly different paths.

Windows 7: "Start->Control Panel (View by: Large icons): Administrative Tools: Services"

Windows Vista: "Start->Control Panel (Classic View): Administrative Tools: Services"

Windows XP: "Start->Control Panel: Administrative Tools: Services"

The "rlm-deskartes" service is now found in the list of services.

Select the "rlm-deskartes" service and run the command "Start" from the "Action" menu.

The status of the service is then changed to "Started" and the rlm license server is running.

File Action View	Help						
	3 🔒 🛛 🖬 👘 🕨 🖬 🕪						
Services (Local)	Services (Local)						
	rlm-deskartes	Name	Description	Status	Startup Ty	Log On As	•
	Stop the service Restart the service Description: RLM License Server	Quality Windows Remote Access A Remote Access C Remote Desktop Remote Desktop S Remote Procedur Remote Procedur	Quality Windows Au Creates a connectio Manages dial-up an Remote Desktop Co Allows users to con The RPCSS service is In Windows 2003 an Evables remote user	Started Started	Manual Manual Manual Manual Automatic Manual Manual	Local Service Local System Local System Network Serv Network Serv Network Serv	
		Remote Registry	RLM License Server Offers routing servic	Started	Automatic Disabled	Local System	
		RPC Endpoint Ma SeaPort Secondary Logon	Resolves RPC interfa Enables the detectio Enables starting pro	Started Started	Automatic Automatic Manual	Network Serv Local System Local System	ш
		 Secure Socket Tun Security Accounts Security Center 	Provides support for The startup of this s The WSCSVC (Wind	Started Started Started	Manual Automatic Automati	Local Service Local System Local Service	
		Server ServiceLayer Shell Hardware De	Supports file, print, Provides notificatio	Started Started Started	Automatic Manual Automatic	Local System Local System Local System	
		Smart Card Smart Card Remo	Manages access to s Allows the system t		Manual Manual	Local Service Local System	-
	Extended Standard					-11	

Stopping rlm service using the Windows Services control panel

The rlm service is stopped via the Windows Services control panel in the same way as it was started.

Open the Windows Services control panel.

Select the "rlm-deskartes" service in the list and run the command "Stop" from the "Action" menu.

The "Started" string then disappears from the "Status" field and the rlm license server is stopped.

File Action View	v Help					
	0 🗟 🛛 🖬 🖬 🖬	I⊳				
🗼 Services (Local)	O Services (Local)					
	rlm-deskartes	Name	Description	Status	Startup Ty	Log On As
	Start the service	Quality Windows Remote Access A Remote Access C	Quality Windows Au Creates a connectio Manages dial-up an	Started	Manual Manual Manual	Local Service Local System Local System
	Description: RLM License Server	Remote Desktop Remote Desktop S Remote Procedur	Remote Desktop Co Allows users to con The RPCSS service is	Started	Manual Manual Automatic	Local System Network Serv Network Serv
		Remote Procedur Remote Registry Im-deskartes	Enables remote user RLM License Server		Manual Manual Automatic	Local Service
		Routing and Kem RPC Endpoint Ma SeaPort Secondary Logon	Resolves RPC interfa Enables the detectio Enables starting pro	Started Started	Automatic Automatic Automatic Manual	Local System Network Serv Local System Local System
		 Secure Socket Tun Security Accounts Security Center 	Provides support for The startup of this s The WSCSVC (Wind	Started Started Started	Manual Automatic Automati	Local Service Local System Local Service
		Server	Supports file, print,	Started Started	Automatic Manual	Local System
		Smart Card Smart Card Smart Card Remo	Manages access to s Allows the system t	Statted	Manual Manual	Local Service Local System
	Extended Standard	-59				

Note: The rlm service has to be stopped before it can be removed from the services list.

Removing rlm service using the "Manage Windows Service" tool

Note: Because the rlm service has to be stopped before it can be removed, you cannot use the web interface of the rlm service process for removing the service. You have to start another rlm license server from the Command Prompt for the web interface.

To remove the rlm service from the Windows service list do the following.

Start the license server with the rlm command in the Command Prompt. (See the "Starting the license server" section above.)

Connect to the rlm web server with a browser ("http://localhost:5054").

Select the "Manage Windows Service" tool.

Firefox http://localhost:5054/home	.asp +		
localhost:5054/hom	e.asp	☆ マ C 😽 - Google	۹ م
Most Visited Getting Sta	rted 🔊 Latest Headlines 🦳 PasswordMaker. One 🦳 Codezone FI -	DevDay Codezone FI - techday TechDays 2009 dev	» 🖸 Bookmarks
Reprise	Reprise Lice Copyright (c) 2006-20	ense Server Administration	
RLM Administration	Manage Windo	ws Service for RLM license server	
	This form installs or removes a Windows Service to automatically Select the action to perform, fill in the form, and press "Apply".	y start the RLM license server.	
Choose a command from the list below			
Status		Service Definition	
Shutdown	Service Action:	REMOVE service 👻	
Reread/Restart	Service Name:	rlm-deskartes	
Servers	Service Description:	RLM License Server	
Switch Reportlog	Server Debug Log: Server License File Directory	C:\Reprise\repriselog.bd	
New Reportlog	Webserver port #:	C.(Reprise	
Switch Debuglog	ISV server startup delay (seconds):	0	
Manage Windows	Admin webserver disabled:		
Service	rlmdown command disabled:		
Activate License	rimremove command disabled:		
Diagnostics		Apply	
RLM Manual			
System Info		Cancel	
About +	l		
×			10-1 10-1

Fill in the service name ("rlm-deskartes") and select the "REMOVE service" action.

Press "Apply"

If the service is successfully removed, you see the following message.

Remove Windows Service for RLM license server

Service rlm-deskartes removed successfully.

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http://localhost:5054/home	e.asp +	× .
localhost:5054/hom	re.asp ☆ マ C Soogle	۸ م
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Reprise	Reprise License Server Administration Copyright (c) 2006-2011, Reprise Software, Inc. All Rights Reserved.	
RLM	Remove Windows Service for RI M license server	
Administration		
Commands	Service rim-deskanes removed successiully.	
Choose a command from the list below	Continue	
Status		
Shutdown Reread/Restart Servers		
Switch Reportlog		
New Reportlog		
Switch Debuglog		
Manage Windows Service		
Activate License		
Diagnostics		
RLM Manual		
System Info		
About		
x		10 ·

Note: If you have the User Account Control (UAC) enabled on Windows Vista or 7, you might get an error message saying that "Service "rlm-deskartes" deletion failed. Error: OpenService failed (5)."

The solution to this is to start a Command Prompt using the "Run as administrator" command, and then start the rlm for the web interface from that Command Prompt.

You can find the "Run as administrator" command in the popup menu that appears when you click the Start menu item for the Command Prompt (Start->All Programs->Accessories->Command Prompt) with the right mouse button.

Removing rlm service using the rlm command

To remove the rlm service from the Windows service list run the following command in the Windows Command Prompt.

Administrate	or: Command Pr	ompt			
31.12.2009	16:48	DIR>			4 · · · · · · · · · · · · · · · · · · ·
31.12.2009	16:48	DIRS		400	
45 40 2007	14:51		4	482	deskartes.llc
15.10.2007	01:35	<u>_</u>	400	479	deskartes.set
45 40 2007	17:50	1	482	212	rim.exe
15.10.2007	47.5		377	314	rimclient.exe
07.00.2007	17-30		733	000	rimaown.exe
07.00.2007 00 02 2000	17-30		733	000	rimnostiu.exe
07.00.2007 00 06 2000	17-30		733	000	nlmnofnoob ovo
AQ AC 2000	17-56		733	000	
00 06 2000	17-56		033	888	nlmneneod eve
A9 A6 20A9	17-56		022	888	wlmstat eve
09 06 2009	17:56		033	888	wlmsuitch eve
A9 A6 2009	17:56		933	888	N]msuitche eve
A9 A6 2009	17:56		933	888	w]mutil eve
07.00.2007	14 File	(2)	11	223	905 hutes
	2 Dir(s	5) 16	826	527	744 hutes free
C:\Reprise> riselog.txt C:\Reprise> C:\Reprise>	rlm -instal -c c:\repi rlm -delete	ll_ser •ise\d •_serv	vice eskai ice -	-sei rtes -serv	wice_name rlm-deskartes -dlog c:\reprise\rep lic vice_name rlm-deskartes

Note: If you have the User Account Control (UAC) enabled on Windows Vista or 7, you might get an error message saying that "Error: OpenService failed (5)."

The solution to this is to start a Command Prompt using the "Run as administrator" command, and then run the rlm command in that Command Prompt.

You can find the "Run as administrator" command in the popup menu that appears when you click the Start menu item for the Command Prompt (Start->All Programs->Accessories->Command Prompt) with the right mouse button.

Checking the rlm service removal with the Windows Services control panel

After removing the rlm service with either "Manage Windows Service" tool or the rlm command, you can check again the services list in the Windows Services control panel.

O Services							<
File Action View	Help						
	1 🕞 🛛 📷 🕨 🔳 II IV						
🤹 Services (Local)	Services (Local)						
	Routing and Remote Access	Name	Description	Status	Startup Ty	Log On As	•
	Description: Offers routing services to businesses in local area and wide area network environments.	Quality Windows Remote Access A Remote Access C Remote Desktop Remote Desktop S Remote Procedur Remote Procedur Remote Registry	Quality Windows Au Creates a connectio Manages dial-up an Remote Desktop Co Allows users to con The RPCSS service is In Windows 2003 an Enables remote user	Started Started	Manual Manual Manual Manual Automatic Manual Manual	Local Service Local System Local System Network Serv Network Serv Network Serv Local Service	
		Routing and Rem	Offers routing servic Resolves RPC interfa	Started	Disabled Automatic	Local System Network Serv	
		SeaPort Secondary Logon	Enables the detectio Enables starting pro	Started	Automatic Manual	Local System Local System	Ш
		Secure Socket Tun Security Accounts Security Center	The startup of this s The WSCSVC (Wind	Started Started	Automatic Automati	Local System Local System	
		ServiceLayer ServiceLayer Shell Hardware De	Provides notificatio	Started Started Started	Manual Automatic	Local System Local System	
		Smart Card Smart Card Remo	Manages access to s Allows the system t Receives trap messa		Manual Manual Manual	Local Service Local System Local Service	_
	Extended Standard	tressenten dit ∎ N	References and a second second				

The "rlm-deskartes" service should not be found in the services list any more.

The rlm license server log file

When running the rlm license server as a Windows service, it writes its log information to the file defined in the rlm startup command or in the "Manage Windows Service" tool (for example: "c:\reprise\repriselog.txt"). The log file contains the similar information that is shown in the startup command prompt in the default configuration.

The information in the log file is useful especially when trying to resolve problems in running the rlm license server.

Additional information

For further details see "Running the *rlm* server as a service on Windows" in "**The License Server**" section, and the ISV line description in the "**The License File**" section, of the Reprise end user manual (<u>http://www.reprisesoftware.com/RLM_Enduser.html</u>).

Network license client configuration in 3Data Expert

The license system settings can be changed in 3Data Expert by selecting the "Help->Licenses..." menu command.

D numbers for licenses:		
00234dae42fe 00ff35111cc8 00238b1338d5	Sho	w ID details
Data Expert license:		Hel
License mode:	C Standalone	Network
Se	etup license server conne	ction
License server adress:		Port number:
pavilion		5053
S	how license enabled mod	lules
Note: For using the network on a machine reachable throu	license mode, you need t ugh network.	to have a license server running How to setup a license server ?
	Import translator license	>>

In the Licenses dialog select the "Network" license type and press the "Setup license server connection" button.

ense server connection	
icense server machine address:	
pavilion	
This can be a hostname, a full domain name icense server port number: (default: 5053)	or a numeric address.)
5053	
The IP port number defined in the HOST line	of the server license file.)
	OK Cancel

Fill in the "License server machine address" and "License server port number".

"License server machine address is a network address for the machine where the license server program is running. It can be a simple hostname, a full domain name or a numeric address (for example: licserver, licserver.somedomain.com or 192.168.0.105)"

"License server port number is the IP port number used by the license server to listen license requests from client machines. The port number is defined in the HOST line of the license file. The default port number is 5053."

The correct port number and the hostname can be also checked from the HOST line of the license file (second and fourth field)

deskartes.lic - Notepad		K
File Edit Format View Help		
HOST pavilion 00238b1338d5 5053 ISV deskartes deskartes LICENSE deskartes 3de_clitool 10.0 permanent 2 _ck=a0d7fc5d8 0451xC2YUM37CMSBF9XMSP5SWH1w6TTQT9B822HAKMEN4T8MRFBGA7NDTX	e sig="60P PWMMEMTT18	•
LICENSE deskartes 3de_igs2vda 10.0 permanent 2 _ck=5ad7fc1f9 G451cm17cQDF94GYCK7MR8HME2576PW21WMG22M0813J2WHB4C8G6WH0NM 9JSV0"	1 sig="60Р РЈҮ15V5ЈDЈ	
LICENSE deskartes 3de_stl2igs 10.0 permanent 2 _ck=72d7fcd66 G4580HYUTS00XQXX1X3UK5BWBCYM7PTJBUHMK08A1CV8H4F8RWHEFFP4NA 4SQH0"	7 sig="60P KN4Q3R3CE9	ш
LICENSE deskartes 3de_stlcut 10.0 permanent 2 _ck=49d7fc1133 4504jE052jR8KCAQA2vv3B3Q8KTE464F9BG22H2GYQ3EW1QSERHSP9TS44 B8"	sig="60P0 TNKR608N17	
LICENSE deskartes 3de_stlpart 10.0 permanent 2 _ck=b4d7fc196 G4580NANBUX17WFTYQ325XU3SQD41T6BGME5J08A516NQT4GRTVXA0CH9P 4FR3G"	4 sig="60P 187BY776G9	
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LICENSE deskartes 3de_tr2stl 10.0 permanent 2 _ck=15d7fc6838 4580HHR7S1GQXSP19NYXC7BGNY6CWQDJD5V608A5RDJC941FXX2AWSB2XK 8FP0"	sig="60PG NU6MGDM43W	8
<pre>LICENSE deskartes 3de_trbool 10.0 permanent 2 _ck=3cd7fc6060 4580MBRBQC5SEDGAC3DN4314N2TEAESBG1MV08A4XVEX5A93CK8V4VM5BG 2YK0"</pre>	sig="60PG 885X34RD2T	
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<pre>LICENSE deskartes 3de_trsupp 10.0 permanent 2 _ck=58d7fcd86d 4580J0E6U0NVA425P329TM17HXBTA5R7XYCN08AG19TADQW4JMKBDR0EWC S0NAR"</pre>	sig="60Q0 8C20HCDUFU	
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LICENSE deskartes 3de_vda2tr 10.0 permanent 2 _ck=fdd7fc1796	sig="60P0	-

or in the license server startup messages (lines: "License server started on ..." and "Using TCP/IP port ...").

Command Prompt - .\rlm 4 C:\Reprise>.\rlm 03/01 00:10 (rlm) RLM License Server Version 9.2BL4 Copyright (C) 2006-2011, Reprise Software, Inc. All rights reserved. 03/01 00:10 (rlm) License server started on Pavilion 03/01 00:10 (rlm) Server architecture: x64_w3 03/01 00:10 (rlm) License files: 03/01 00:10 (rlm) deskartes.lic Ξ 03/01 00:10 (rlm) License files: 03/01 00:10 (rlm) deskartes.lic 03/01 00:10 (rlm) 03/01 00:10 (rlm) Web server starting on port 5054 03/01 00:10 (rlm) Using TCP/IP port 5053 03/01 00:10 (rlm) Starting ISU servers: 03/01 00:10 (rlm) ... deskartes on port 49589 03/01 00:10 (rlm) New thread created to watch ISU deskartes 03/01 00:10 (deskartes) RLM License Server Version 9.2BL4 for ISU "deskartes" 03/01 00:10 (deskartes) Settings from RLM Version 9.2BL4 for ISU "deskartes" 03/01 00:10 (deskartes) Settings from RLM Version 9.2BL4 for ISU "deskartes" 03/01 00:10 (deskartes) Settings from RLM Version 9.2BL4 for ISU "deskartes" Copyright (C) 2006-2011, Reprise Software, Inc. All rights reserved. RLM contains software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org) Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved. Copyright (c) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved. 03/01 00:10 (deskartes) 03/01 00:10 (deskartes) Server started on Pavilion (hostid: 00238b1338d5) for: 03/01 00:10 (deskartes) 3de_clitool 3de_igs2vda 3de_stl2igs 3de_stlcut 03/01 00:10 (deskartes) 3de_stlpart 3de_stlredu 3de_stlrefine 3de_tr2sli ce 03/01 00:10 (deskartes) 03/01 00:10 (deskartes) 3de_tr2st1 3de_trbool 3de_troffs 3de_trsupp 3de_vda2igs 3de_vda2tr 3de_vdaselect 3de_shellin 9 03/01 00:10 (deskartes) 3de_rapidcam 3de_vdainput 3de_surfcheck 3de_stlc 03/01 00:10 (deskartes) heck 03/01 00:10 (deskartes) 3de_stlrepair 3de_encrypt 3de_communicate 3de_mod 3de_vis 3de_ncpath 3de_all 3de_trans 3de_visplus License files: deskartes.lic

Press "OK"



When the program reminds you about need to restart the program, exit the 3Data Expert and start it again.