

Ocularis Configuration Database Backup Guide

Version 6.3

July 2024

PROPRIETARY AND CONFIDENTIAL INFORMATION

All information contained herein is confidential, proprietary and the exclusive property of Qognify Limited (Part of Hexagon)., and its affiliates ("Qognify"). This document and any parts thereof must not be reproduced, copied, disclosed or distributed without Qognify's written approval and any content or information hereof shall not be used for any unauthorized purpose.

All contents of this document are: Copyright © 2024 Qognify Ltd. All rights reserved.

Revision History

Revision	vision Purpose for Change Da			
00	GA	July 2024		

Contents

1	About	This Guide	1
	1.1	Related Documentation	1
2	Introdu	uction	2
	2.1	Purpose	2
	2.2	Target Audience	2
3	Backu (Recor	p of Ocularis Base Configuration Data using the Backup/Import To mmended)	ool 3
	3.1	Summary of Steps	3
4	Backu Recom	p of Ocularis Base Configuration DataUsing Manual Process (Not mended)	6
	4.1	Summary of Steps	6
	4.2	Backup Ocularis Service Folders	6
	4.3	Backup the Ocularis Base SQL Database	7
	4.4	Migrating Backup Data and Database	10
	4.5	Recreating the Ocularis User	14
	4.6	How to Install SQL Server Management Studio	21

List of Tables

Table 1-1: Related Documents	1
List of Figures	
Figure 1 Backup Service Folders	7
Figure 2 Backup	8
Figure 3 General > Backup Set	9
Figure 4 Options > Overwrite Media	10
Figure 5 Stop Event Coordinator Service	11
Figure 6 Restore	12
Figure 7 Browse for Backup	12
Figure 8 Check Restore	13
Figure 9 Overwrite Existing DB	13
Figure 10 Ocularis User	15
Figure 11 Delete User	16
Figure 12 User Properties	17
Figure 13 User Mapping	18
Figure 14 Properties of User	19
Figure 15 Select db_owner	20
Figure 16 Start Event Coordinator Service	21

1 About This Guide

This document discusses the backup and restoration of the Ocularis Base configuration.

1.1 Related Documentation

Related documents are listed below.

Table 1-1: Related Documents

Document Name	Version	File Type	Date
Ocularis 6.3 Release Notes	6.3	PDF	July 2024

2 Introduction

Regardless of the Ocularis model, the Ocularis Base component uses a Microsoft SQL Server Express database to store configuration and authentication resources used by Ocularis.

This SQL database for the Ocularis Base software should not be confused with the databases used to store live and recorded video and audio data.

2.1 Purpose

The purpose of this document is to identify the procedures on how to backup Ocularis configuration and migrate the data to a new SQL server instance if necessary. The latest supported version of SQL Server is SQL Server 2019

2.2 Target Audience

The target audience for this document is surveillance system administrators and/or database administrators who are responsible for data integrity and system maintenance.

3 Backup of Ocularis Base Configuration Data using the Backup/Import Tool (Recommended)

The following procedure backs up the data in the SQL Server database used with Ocularis Base. Use this procedure when you:

- need to switch the hardware used for Ocularis Base
- need to recover after reinstalling the operating system
- desire to make a system backup

This procedure may be used to backup Ocularis Base data with any Ocularis model. Please note that it will only back up configuration information from Ocularis Base.

3.1 Summary of Steps

The new tool dramatically improves the process of backing up and migrating the Ocularis Base configuration without the need to be an expert in using SQL Management Studio.

- 1. Download the "Ocularis Base Transfer Tool" from the Qognify.com website
- 2. Launch the tool
- 3. Select "Backup" or "Restore"

lect Option	-	
Select Option		
Select an option below and click Next to continue.		
Please select one of the following options:		
OBackup		
◯ Restore		
	Next >	Cancel

- 4. If creating a configuration backup, here are the options:
 - a. Select SQL (Ocularis configuration) and or IIS (Maps, Bookmarks, Assets)



b. Next, select where to back up the data:

lect Destination Folder		-		\times
Destination Folder				
Click Next to use this folder, or click Change to use a diffe	rent folder.		L	-
Please enter the backup output path. You may type a new button to find a new location.	v folder name or	click th	ne Change	
Backup output path:				
C:\Users\Administrator\Documents			Chang	e
< Back	Next 2		Cano	el
	Thurse 2		- Contra	

c. The tool will get to work gathering all the data. The application will let you know when it is done.



- 5. If restoring a configuration, here are the steps:
 - a. Select the archive file (a 7-Zip file) created by the tool:

lect File				-	×
Select an archive file					
Please select an archive file					ى
Please enter an archive file na or click the Change button to s	me path. You r elect an archiv	may type an ar ve file.	chive file ni	ame path	(including .7z)
Archive file name:					
					Change

Page 4 of 24

b. Once done restoring, the application will show the following:



4 Backup of Ocularis Base Configuration DataUsing Manual Process (Not Recommended)

The following procedure backs up the data in the SQL Server database used with Ocularis Base. Use this procedure when you:

- need to switch the hardware used for Ocularis Base
- need to recover after reinstalling the operating system
- desire to make a system backup

This procedure may be used to backup Ocularis Base data with any Ocularis model. Please note that it will only back up configuration information from Ocularis Base.

4.1 Summary of Steps

- 1. Backup Ocularis Service Folders (only if using maps, icons, and bookmarks)
- 2. Backup the Ocularis Base SQL Database.

If you intend to migrate the database to another machine:

- a. Install Ocularis Base
- b. Restore the Ocularis Service Folders
- c. Restore the Ocularis Base SQL Database
- d. Modify the Security Settings in the SQL Database

4.2 Backup Ocularis Service Folders

(Move to next step if you don't wish to backup maps, icons, and bookmarks)

Figure 1 Backup Service Folders

<u>File Edit View Favorites Tools Help</u>		
🎯 Back 🔹 🕥 👻 📝 🌽 Search 🌔 Folders 🍻 🕉 🗙 🌱 Address 🦳 C:) Inetru b) www.wr.oot') OcularisService		:
Address C:Inetpub\www.root\OcudarisService Folders Folders Desktop My Documents My Udeos My Visual Studio 2005 My 2003 My 335 Floppy (A:) Currents and Settings For Second Desk (C:) AdminScripts Currents and Settings For Second AdminScripts Current My Uloy My Uloy AdminScripts My Uloy My Ulo	Name A Assets bin Defaultions Event thumbnals Event thumbnals Graphics Mass Graphics Gr	Size Type File Folder File Folder 1 kB ASPK File 2 kB ASPK File 1 kB ASPK File 2 kB ASPK File 1 kB ASPK File 1 kB ASPK File 2 kB ASPK File 3 kB

Back up the existing Ocularis Service folders. These folders store resources used in Ocularis and are found in the following directory on the Ocularis Base Server machine:

C:\inetpub\wwwroot\OcularisService

Folders to back up include:

- Assets
- Bookmarks¹
- EventThumbnails
- Icons
- Maps

Copy these folders to an external source such as a thumb drive or network share.

1 This is the default location for Bookmarks. During the Ocularis Base installation this location may have been changed by the system administrator

4.3 Backup the Ocularis Base SQL Database

Use this procedure to back up the database used to store Ocularis Base configuration data.

4.3.1 To Backup Ocularis Base SQL Database

- 1. Log into SSMS (SQL Server Management Studio). If you need to install SSMS, please refer to page 21.
- 2. Once logged into SSMS, expand the Databases folder and right-click the **VSEvents** database.
- 3. Choose Tasks > Back Up...

Figure 2 Backup

File Edit View 1	ools Window Community	, Help
🛄 New Query 🛛 🗋		
Object Explorer	• 7	×
Connect 🕶 📑 📑	• T 🛃 🔏	
E 6 VM2-2003\OCU	LARISSERVER (SQL Server 10.0 Databases	.0.1
⊕ VSE ⊕ Security ⊕ Server C ⊕ Replicati	New Database New Query	
🛨 🧰 Managel	Tasks	Detach
	Policies Facets	<u>T</u> ake Offline Bring Online
	Start PowerS <u>h</u> ell	Shrink
	Reports +	Back Up
	Bename	Restore

4. On the **General** page of the *Back Up Database* pop-up, take note of the Destination path and Name of the Backup set (or choose one yourself).

Figure 3 General > Backup Set

elect a page	式 Script 👻 🚺 Help				
Options	Source				
	Database:		VSEvents		1
	Recovery model:		SIMPLE		
	Bac <u>k</u> up type:		Full		
	🗖 Copy Only Backup				
	Backup component:				
	Database				
	C Files and filegroups:				
(Backup set				
	Nome:	VSE vents-Ful	I Database Backup		
	Description:				
	Backup set will expire:				
	After:	0		days	
onnection	С <u>О</u> п:	9/23/2011	7		
erver:	Destination	0.001	0		
/M2-2003\OCULARISSERVER	Back up to:	• Disk	0	Tape	5
Jonnection: /M2-2003\Demo	U. Arrogram Hies Uno Si AUcu	Iaris Base\BAUNUP	DB WSE vents bak		A <u>d</u> d
View connection properties					Pomouo
					Temove
rogress					Contents
Ready				_	
6 ⁴¹ 28					
				OK	Cancel

- 5. On the **Options** page, select these options:
 - a. In the Overwrite media section, choose 'Overwrite all existing backup sets'
 - b. In the Reliability section, check 'Verify backup when finished'

📕 Back Up Database - VSEvents 式 Script 🝷 🚺 Help Overwrite media Back up to the existing media set **заскир** sel Overwrite all existing backup sets Check media set name and backup set expiration Media set <u>n</u>ame: C Back up to a new media set, and erase all existing backup sets New media <u>s</u>et name: New media set description: + Reliability ☑ ⊻erify backup when finished Continue on error Transaction log Server: VM2-2003\0CULARISSERVER C Truncate the transaction log ${\bf C}_{\rm c}$ Back up the tail of the log, and leave the database in the restoring state Connection: VM2-2003\Demo Tape drive View connection properties Unload the tape after backup E Rewind the tape before unloading Compression -Ready Use the default server setting -Set backup compression: OK Cancel

Figure 4 Options > Overwrite Media

c. Click OK.

Once the task is completed, copy the Backup file to an external source.

4.4 Migrating Backup Data and Database

Use the following procedure to migrate the Ocularis database to a new or rebuilt server:

- 1. Install the Ocularis Base software component on the new or rebuilt server.
 - a. You must notify Qognify that you have installed Ocularis Base on a server. We can increase your license activation count so you may activate this new server.
 - b. Once the Base component is installed, and Qognify has increased your activation count, please activate your license at this time.

Services (Local)	Name A	Description	Status	Startup Type
	Cogical Disk Manager	Detects an	Started	Automatic
	Service 🏶 Logical Disk Manager Administrative Service	Configures		Manual
	Message Queuing	Provides a	Started	Automatic
	Message Queuing Triggers	Provides ru	Started	Automatic
	Messenger .	Transmits		Disabled
	Microsoft Software Shadow Copy Provider	Manages s		Manual
	Ret Logon	Maintains a		Manual
	Net.Tcp Port Sharing Service	Provides a		Disabled
	NetMeeting Remote Desktop Sharing	Enables an		Disabled
	Network Connections	Manages o	Started	Manual
	Network DDE	Provides n		Disabled
	Network DDE DSDM	Manages D		Disabled
	Network Location Awareness (NLA)	Collects an	Started	Manual
	Network Provisioning Service	Manages X		Manual
	NT LM Security Support Provider	Provides s	Started	Manual
	Sonssi Event Coordinator Service	Centralized	Started	Automatic
	Performance Logs and Alerts	Collects pe		Automatic
	B Dive and Diav	Fnables a c	Startad	Automatic

Figure 5 Stop Event Coordinator Service

- 2. Stop the Qognify Event Coordinator Service in local services.
- 3. Paste (replace) the folders backed up from
- 4. on page 6 into the directory:

C:\inetpub\wwwroot\OcularisService

- 5. Install SQL Server Management Studio (SSMS) on your new Base server. (see How to Install SQL Server Management Studio on page 21.
- 6. Once installed, log into SSMS using the Windows Account.
 - a. Expand the Databases folder and right-click the VSEvents database.
 - b. Choose Tasks > Restore > Database...
- 7. On the General page of the Restore Database pop-up, in the 'Source for restore' section:
 - a. Choose From device, and click the ellipses to browse for the file.

Figure 6 Restore

🧾 Restore Database - VSEven	its					-OX	
Select a page	🔄 Script 🝷 🚺 Help						
Options	Destination for restore						
	Select or type the name of a	new or existing da	tabase for your	restore o	peration.		
	T <u>o</u> database:	VSEver	nts				
	<u>T</u> o a point in time:	Most re	cent possible				
	Source for restore						
	Specify the source and local	ion of backup sets	to restore.				
	From database:	VSEve	nts			Ŧ	
	From device:						<u> </u>
	Select the backup sets to re	store:					
	Restore Name		Component	Туре	Server		
Connection Server: VM2:2003\DULARISSERVER Connection: VM2:2003\Demo VM2:2003\Demo VM2:2003\Demo VM2:2003\Demo Progress Ready	4	1				×	
					OK	Cancel	

b. Browse for the Backup file saved in Backup the Ocularis Base SQL Database on page 7.

Figure 7 Browse for Backup

Elle Edit Yew Looks Window Community Help				
2 New Query Di Di 😂 🖬 📾 🚳 🔹				
bject Explorer - V X Restore Database - VSF	venita			
ignoest • 🗐 🔮 = 🝸 🗊 📓 🛛 Enlect a pore	Sout - C Heb			
- O WH-2003(OCULARISSERVER (SQL Server 10.0.16) Ceneral				
E Databases	Destination for restore			
Locate Backup File - VM-2003\ DCULARUSSERVER	A.L			
Select the file	select or type the name or a ner	v or exitting databate for your restore o	perator	
Microsoft SQL Server	Tg database:	VSEvents	-	
Microsoft Sutchtonization Services	To a social in lase	Mont servers resulting		
🖽 🦾 Microsoft Visual Studio 9.0	10 A.C.	×		
Microsoft.NET and	its location for your restore operation.			
E MS204L 4.0				
II 🚘 MSXML 6.0	File	1		
The Online Services				
🖶 🛄 0xSSI		600		
a 🚰 Ocularis Admin		Betwee	Canada	
11 🕒 BACKUP		Cortexts	26/6	
🗄 🧰 bin				
M COM MSSQL10.0CULARISSERVER				
B D MSSQL				
E Car Backup				
Binn				
🗄 🦢 DATA		design and the second sec		
R Install	QKCano	ei Help		
E 📴 Log	100 C	li		
🗟 🥥 Template Data 👘				
Selected outs	×1 1			
IL VIOgram Pes vons an obcidanti Babers GUL M	1000 UC-			
ries or gipe: [Backup Files]" bak," tml			DK Cancel	
File Dame			Al.	
Dis Cencel				
fast.				12

- c. Select the .bak file and click **OK**.
- d. Mark the check box for the backup set to *Restore*.

Figure 8 Check Restore

🥛 Restore Database - ¥SEven	ts	and the second second					-0
Select a page	🔄 Script 🔸 [🎽 Help					
Options	Destination fo	or restore	or existing da	tabase for your	restore	operation	
	T <u>o</u> database: To a point in time:		VSE vents Most recent possible			•	
	Source for re	store					
	Coocify th	a course and location o	f backup ook	to rostoro			
	C Free		I backup see	s to restore.			
	C From c	Jatapase:	VSEVe	nts	-		
	e Fioni	jevice.	Ic. Jona	SI W SE VERIS, D	ldK.		
	Select the Restore	backup sets to restore Name	:	Component	Type	Server	
		VSEvents-Full Datab	ase Backup	Database	Full	VM2-2003\0CUL	ARISSER
Connection	C	de la companya de la comp					
Server: VM2-2003\0CULARISSERVER		u .					
Connection: VM2-2003\Demo							
View connection properties							
Progress							
O Ready							
Juliu.	[4]						•
						ок с	ancel
					-		

8. In the **Options** page, check the box to 'Overwrite the existing database (WITH REPLACE)'.

Figure 9 Overwrite Existing DB

elect a page	Script - 📑 Help		
P General			
T Uptions	Restore options		
	Overwrite the existing da		
	Preserve the replication	settings (WITH KEEP, BEI	
	Promot before restoring a	ach hackun	Licentriky
	Restrict access to the re	stored database W/TH BI	STRICTED LISER)
	Perture the determined		5111161ED_03E11)
	Original File Name	S. File Tune	Bestore As
	VSEvents	Rows Data	c:\Program Files\OnSSI\Oculari
	VSEvents log	Log	c:\Program Files\OnSSI\Oculari
	 Leave the database read transaction logs cannot b 	dy to use by rolling back un be restored.(RESTORE WI	committed transactions. Additional TH RECOVERY)
Connection	 Leave the database read transaction logs cannot b Leave the database non 	dy to use by rolling back un be restored.(RESTORE WI -operational, and do not ro	icommitted transactions. Additional TH RECOVERY) Il back uncommitted transactions. Additional
Connection Server:	 Leave the database reactive transaction logs cannot be transaction logs cannot be transaction logs can be reactive to the database non transaction logs can be reactive to the database non transaction logs can be reactive to the database non transactive to the database non	dy to use by rolling back un be restored.(RESTORE WI -operational, and do not ro estored.(RESTORE WITH	committed transactions. Additional TH RECOVERY] II back uncommitted transactions. Additional NDRECOVERY]
onnection Server: VM2-2003\OCULARISSERVER	Leave the database read transaction logs cannot to C Legve the database non transaction logs can be r	dy to use by rolling back un e restored (RESTORE WI -operational, and do not ro estored (RESTORE WITH ead-only mode. Undo unco	committed transactions. Additional TH RECOVERY) II back uncommitted transactions. Additional NORECOVERY) mmitted transactions, but save the undo
Connection Server: VM2-2003/UCULARISSERVER Connection: VM2-2003/Demo	 Leave the database reat transaction logs cannot b Legve the database non transaction logs can be r Legve the database in reactions in a standby file s 	dy to use by rolling back ur e restored (RESTORE WI -operational, and do not ro estored (RESTORE WITH ead-only mode. Undo unco to that recovery effects can	committed transactions. Additional TH RECOVERY) Il back uncommitted transactions. Additional NORECOVERY) mmitted transactions, but save the undo n be reversed (RESTORE WITH STANDBY)
Connection Server: VM2-2003/DCULARISSERVER Connection: VM2-2003/Demo	 Leave the database reaction logs cannot be transaction logs cannot be transaction logs can be reaction logs can be reaction logs can be reactions in a standby file set. 	by to use by rolling back ur be restored (RESTORE WI -operational, and do not ro estored (RESTORE WITH ead-only mode. Undo unco to that recovery effects can	committed transactions. Additional TH RECOVERY) II back uncommitted transactions. Additional NORECOVERY) mmitted transactions, but save the undo n be reversed (RESTORE WITH STANDBY)
Server: Server: VM2-2003\DCULARISSERVER Connection: VM2-2003\Demo VM2-2003\Demo	Leave the database read transaction logs cannot b Legve the database non transaction logs can be r Leave the database in re actions in a standby file s Standby file:	by to use by rolling back, us be restored (RESTORE WI -operational, and do not ro setored (RESTORE WITH kad-only mode. Undo uncco to that recovery effects ca	committed transactions. Additional TH RECOVERY) II back uncommitted transactions. Additional NDRECOVERY) mmitted transactions, but save the undo n be reversed. (RESTORE WITH STANDBY)
Ionnection Server VM2-2003/DCULARISSERVER Connection: VM2-2003/Demo VM2-2003/Demo View connection properties rogress	Leave the database rear transaction logs cannot b Legve the database non transaction logs can be r Leave the database in re actions in a standby file s Standby file:	ty to use by rolling back, us se restored (RESTORE WI -operational, and do not ro estored (RESTORE WITH ad-only mode. Undo unco so that recovery effects ca	committed transactions. Additional TH RECOVERY) II back uncommitted transactions. Additional NORECOVERY) mmitted transactions, but save the undo n be reversed (RESTORE WITH STANDBY)

9. Click OK.

Process should execute successfully.

If the process fails:

- Leave the *Restore Database* screen open. (This is likely due to there being active connections to the database).
- Restart the service SQL Server (OCULARISSERVER)
- Click **OK** on the *Restore Database* screen.

It should execute successfully.

4.5 Recreating the Ocularis User

For the restored database, you must recreate the Ocularis User.

- 1. Expand the **VSEvents** database.
 - a. Expand Security.
 - b. Expand Users.
 - c. If you still see the **OcularisUser** here, right-click the username and delete this user.

Figure 10 Ocularis User



Figure 11 Delete User

General	Script 👻 🚺 Help
	Object to be deleted
	Object Name Object Type O Status Message OcularisUser Login
Microsoft SQL Server N Petroges, dela schemas to n	Management Studio Ver logins does not delete the database users associated with the logins. To complete the ete the users in each database. It may be necessary to first transfer the ownership of new users.
conn	OK Cancel
Server: BASE37\OCULARISSERVER	OK Cancel
Server: BASE37/OCULARISSERVER Connection: boop	OK Cancel
Server: BASE37/OCULARISSERVER Connection: boop	OK Cancel
Server. BASE37 OCULARISSERVER Connection: boop 2 View connection properties rogress	OK Cancel
Conn Server: BASE37ACULARISSERVER Connection: boop	OK Cancel

- d. Click OK.
- 2. Under the Security folder, right-click the OcularisUser account and choose Properties.

Figure 12 User Properties



- 3. On the User Mapping page, select the VSEvents database.
 - a. For the Default Schema field, enter dbo
 - b. Check the box next to the db_owner under 'Database role membership for: VSEvents'.

Figure 13 User Mapping

Login Properties - OcularisUs	er				
Select a page General Server Roles	Script	🕶 🛐 Help			
III Jervandues Uder Mapping Securables III Status	Users mz	apped to this login: Database master model msdb tempdb VSEvents t account enabled for:	User OcularisUser	Default Schema dbo	
Connection	Databas	e tole membership for.	VSEVenis		
Server: BASE37-OCULARISSERVER Connection: boop <u>Mew connection properties</u> Progress Ready	db_a db_b db_d db_d db_d db_d db_d db_s V db g v db_s	iccessadmin iackupoperator iatavmäter iatavmäter iatavmäter ienydatavmäter ienydatavmäter ienydatavmäter ienydatavmäter ienydatavmäter ienydatavmäter in in i			
				ОК Са	ncel

4. Expand the **Security** folder under the **VSEvents** database again.

The OcularisUser account should appear in the Users folder now.

5. Right-click the **OcularisUser** account and choose **Properties**.





a. In the **General** page, scroll down the **Role Members** window, select the **db_owner** and click **OK**.

Figure 15 Select db_owner

K Microsoft SQL Server Management Studio					×
Eile Edit ⊻iew Tools Window ⊆ommunity t	jelp				
🔛 New Query 🕞 🕞 💕 🗐 🎒 🧱 🖕					
Object Explorer 🗸 🕂 🗙	Database User - OcularisUse	21			
Connect 🕶 📑 💐 🔳 🍸 🛃 📓	Selec <mark>ta page</mark>	Script - 🖪 Help			
E 🔀 VM-2003\OCULARISSERVER (SQL Server 10.0.16	🚰 General				
🖃 🚞 Databases	Securables	User name:	OcularisUser		
🕑 🛄 System Databases	Extended Properties	6) Deuleriel Leer		
E U Voluents		 gogin name: 	localaisosei		
Tables		C Certificate name:			
		C Key name:			
🗉 🧰 Synonyms		C Without login			
🗉 🚞 Programmability		TT MORNING IN			
🕀 🧰 Service Broker		Default schema:	dbo		
E Security		Schemas owned by this user:			
dbo		Dwned Schemas			
guest					
INFORMATION_SCHEMA		db_backupoperator			
CcularisUser		db_datareader			
Sys					
H Schemas		the ddladmin			
E Gronds					
E Certificates				-	
🕀 🛅 Symmetric Keys	Connection				
E 🛅 Security	Server:	Database role membership:			
E 📴 Logins	VM-2003/UCULARISSERVER	Role Members		•	
##MS_PolicyEventProcessingLogin##	Connection:	db_datareader			
BUILTIN'Users	VM-2003 (Demo	db_datawriter			
T AUTHORITY SYSTEM	View connection properties	🗖 db_ddladmin			
🐣 OcularisUser		db_denydatareader			
a sa	Progress	b_derydatawniter	_		
M-2003\Demo	Ready	tb_owner			
Gredentials	"anna"	db_securityadmin		_	
Server Objects		1			
🗉 🛅 Replication					
표 🚞 Management				UK Cancel	
кеаду					1.

4.5.1 Testing the changes

1. Start the **Qognify Event Coordinator Service**. The service should start successfully.

File <u>A</u> ction <u>View</u>					
🗞 Services (Local)	Name 🛆	Description	Status	Startup Type	Ŀ
	Cogical Disk Manager	Detects an	Started	Automatic	
	Service 2012 Contractive Service	Configures		Manual	
	Message Queuing	Provides a	Started	Automatic	
	Message Queuing Triggers	Provides ru	Started	Automatic	
	Messenger .	Transmits		Disabled	
	Microsoft Software Shadow Copy Provider	Manages s		Manual	
	Net Logon	Maintains a		Manual	
	Net. Tcp Port Sharing Service	Provides a		Disabled	
	NetMeeting Remote Desktop Sharing	Enables an		Disabled	1
	Network Connections	Manages o	Started	Manual	
	Network DDE	Provides n		Disabled	
	Network DDE DSDM	Manages D		Disabled	
	Network Location Awareness (NLA)	Collects an	Started	Manual	
	Network Provisioning Service	Manages X		Manual	
	NT LM Security Support Provider	Provides s	Started	Manual	
	OnSSI Event Coordinator Service	Centralized	Started	Automatic	
	Performance Logs and Alerts	Collects pe		Automatic	-
	BaDlug and Dlav	Enables a s	Startad	Automatic	d
	•				

Figure 16 Start Event Coordinator Service

4.6 How to Install SQL Server Management Studio

SQL Server Management Studio is required in order to back up the Ocularis configuration database. SSMS can be installed on any machine. However, for ease of use, we recommend installing it on the Base server itself.

4.6.1 To Install SQL Server Management Studio

- 1. Download SQL Management Management Studio
- 2. Once the download completes, right-click the .exe file, and select '*Run as Administrator*' to run the setup file.

Down	nload	ds ► SSMS
en S	Shar	re with 🔻 Burn New folder
Name		Right Click te modified
🔳 er	n_sql	I_server_2008_r2_management_studio_express_x86.exe 12/5/2013 11:35 AM
		Open
0	•	Run as administrator
		Troubleshoot compatingty

3. Select the 'Installation' section and click the option 'New installation or add features to an existing installation.'

1 SQL Server Installation Center	the second s	
Planning Installation	New installation or add features to an existing installation. Launch a wizard to install SQL Server 2008 R2 in a non-clucred	environment or to add
Maintenance		

4. Check the box for '*I accept the license terms*' and click the **Next** button. The installer will proceed to install Setup files.

Feature Selection		
Select the Express with Advance eature Selection nstallation Rules lisk Space Requirements rror Reporting nstallation Configuration Rules nstallation Progress Complete	d services reatures to install. Features: Instance Features Shared Features ☑ Management Tools - Basic ☑ SQL Client Connectivity SDK Redistributable Features	Description: Server features are instance-aware and have their own registry hives. They support multiple instances on a computer.
	Select All Unselect All	51- (<i>46</i>)) Marca (150) Second

5. On the feature selection screen, if not already checked, check the box next to *'Management Tools – Basic'*, and then click **Next**.

6. On the Error reporting screen, click **Next**.

The installation should begin. If you encounter any other prompts, use the default setting and click **Next** to proceed.

< Back

Next >

Cancel

Help

The installation can take around 5 minutes to complete.

After the installation, you should see a success screen.

7. Click **Close**, and then you may also close the main 'SQL Server Installation Center' window.

4.6.2 To Open SSMS

- 1. To open SSMS, click on the Windows *Start > All Programs > Microsoft SQL Server Tools > SQL Server Management Studio*.
- 2. On the Login screen, use the default values and click Connect

You should be logged in. (your server name will be different but the database name should be 'OCULARISSERVER').

	Connect to Server	X	
	SQL Server		
Server type:	Database Engine	~	
Server name:	ARIREC\OCULARISSERVER		
Authentication:	Windows Authentication	~	
User name:	MOGO\robinsona	¥	
Password:			
	Remember password		
	Connect Cancel Help O	ptions >>	