

Ocularis

OnGuard to Ocularis Event Proxy Administrator Guide

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OnGuard to Ocularis Event Setup 1.1.6.0

00002262015-1712-4.0-.1.1.6.0

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US patent # 8,390.684 B2 for Ocularis Client

Patents Applied For in the U.S. and Abroad

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Introduction

This manual provides detailed instructions for installing and configuring the component to send OnGuard events to Ocularis.

Getting Started with Ocularis

REVIEW ONGUARD MANUALS

• Review the DataCondulT User Guide documentation.

Chapter 2 *Getting Started* is very important for setup to enable events to be processed through the OnGuard to Ocularis Event Proxy. Completely understand OnGuard Single Sign-On (SSO) User as well as the Authentication, Authorization, Receive Events and set up of Using DataCondulT from a Remote Computer to ensure proper connection of the OnGuard to Ocularis Event Proxy to OnGuard.

REVIEW OCULARIS MANUALS

- Review the Ocularis Installation and Licensing Guide documentation.
- Review the Ocularis Administration User Manual documentation.
- Review the Ocularis Client User Manual documentation.

INSTALLATION & CONFIGURATION

• Once all Ocularis components are installed, synchronize the date and time between the server and workstations.

OnGuard Installation & Configuration Prerequisites

MESSAGE QUEUING (MSMQ)

Ensure Microsoft Message Queuing is installed on the OnGuard server system.

ONGUARD SINGLE SIGN-ON USER

Create a single sign-on account as per the OnGuard documentation.

- 1. Open OnGuard System Administration → Administration → Directories...
- 2. In the **General** tab enter:
 - Name Name of the local account, ex WinLocalAccount
 - **Type** example: Windows Local Accounts
 - Hostname Computer name where OnGuard is installed, example: TEST-10-224
 - Check Enable single sign-on checkbox.

System Administration - System Account - [[lirectories]
Application Edit View Administratio	n Access <u>C</u> ontrol M <u>o</u> nitoring V <u>i</u> deo
Additional Hardware Logical Access	/indow <u>H</u> elp
	■
1997 - N 🖻 🖻 🖬 🕵 🗷 🦓	- 👒 🙈 🖻 🕒 💁 😌 📥 🕰 🞼 🏧 🔳 🔳 🍯
Directories	
Name Type	General Authentication
WinLocalAccount Windows Lo	Second Stress St
	Windows Local Accounts
	Hostname: TEST-10-224 Browse
	☑ Enable single sign-on
< <u> </u>	
Add Modify Delete Help	Close
🦪 Directories	
Ready	CAP NUM SCRL .;;

Figure 1 General Tab of Directories

- 3. In the Authentication tab:
 - Click the Current Windows account radio button

System Administration - System	n Account - [Directo	ories]
Application Edit View	Ad <u>m</u> inistration A	Access <u>C</u> ontrol M <u>o</u> nitoring V <u>i</u> deo
Additional Hardware Logic	al Access <u>W</u> indo	w <u>H</u> elp
		● 🦪 🛱 📲 🐔 📄 🚔 🚔 🖓
	<u> </u>	▲ 🔜 🗅 🧏 😌 📥 🔍 jī∰ 💐 📠 💷 🖉
Directories		
Name	Туре	General Authentication
WinLocalAccount	Windows Loc	Anonymous
		Current Windows account
		Explicit
		User name:
		Password
		l asswulu.
		Confirm password:
		••••
•	4	
OK Cancel Clear	Help	Modify Mode Close
Ø Directories		
Ready		CAP NUM SCRL .::

Figure 2 Authentication Tab of Directories

- 4. Click Close.
- 5. Open **OnGuard System Administration → Administration → Users...**
- 6. In the Users tab
 - Link the Current Windows Account (in this example Administrator) to the System Account users, under the Directory Accounts tab link the *WinLocalAccount*.

system Administration - System Account - [Users]						
😥 Application Edit Yiew Administration Access Control Monitoring Video Additional Hardware Logical Access Window Help	_ 8 ×					
🔍 d 🗧 ? 🛯 🇱 😽 📲 📾 📾 🕵 🗏 🥵 🎆 🔈 🗮 🖻 💁 🏀						
Users Search System Permission Groups Cardholder Permission Groups Monitor Permission Groups Report Permission Groups Report Permission Groups						
Name System Cardholder Monitor Report Field/ Permission Groups Area Access Manager Le	vels Monitor Zone Assignment					
Mainistrator, Administrator System Admin Cardholder Ad Monitor Admin <full access=""> View/ General Directory Accounts</full>	Internal Account					
Badge Operator, Badge Operator System Badge Cardholder Ba Viewir						
System Account, System Account (All Permissions)						
Statuser, User System User Cardholder User Monitor User <th>liAccount</th>	liAccount					
	Link Unlink					
	Sect. 111.111					
Hide users whose access to this system is disabled						
✓ Hide users that have been automatically created						
Add Modify Delete Help 1 of 4 selected	Close					
Sters						
Ready Caracterization Control	CAP NUM SCRL					

Figure 3 Users Tab of Users

ONGUARD DATACONDUIT

Enable the DatacondulT service to generate software events as per the OnGuard documentation.

- 1. Open **OnGuard System Administration → Administration → System Options...**
- 2. In the General System Options tab enter:
 - Under DataCondulT service check Generate software events checkbox.
 - Enter the Linkage Server host name. Example: TEST-10-224

System Administration - System Account - [System Options]	
Application Edit View Administration Access Control Monitoring	Vįdeo Additional Hardware Logical Access Window Help 🗕 🗗 🗙
🔍 🖪 💡 🤪 🛛 🎆 🙀 🖷 📾 📭	i = 🎭 👒 🙈 🖻 🕒 🥵 📛 🐔 🐛
Te A B B 🖉 🔊 🖓 🗗 🕺 💽 🔁 🛃	🏠 🕂 🧸 🍇 💷 🕹 🙇 🖬 👬 🔤 🌘
General System Options General Asset Options Web Applications Client U	pdate Hardware Settings Anti-Passback Biometrics User Command
Log on authorization warning	Password options
None	Enforce strong passwords
DataCondulT service	FIPS mode
Generate software events	Enable FIPS-mode controller encryption
	Configuration Download Service host
Monitoring	
3 Annual Number of days to save queued events	
Specify monitor zone assignments	
Linkage Server host	
TEST-10-224 Browse	
OK Cancel	Help Close
System Options	
Ready	CAP NUM SCRL ,;;

Figure 4 General System Options

3. Click OK.

ONGUARD SERVICES

- 1. Check that the following Services are set to Automatic on the OnGuard server machine.
 - LS Linkage Server service is set to Automatic.
 - LS DataCondulT Service is set to Automatic.

	Name 🔿	Description	Stat	Startup Type	Log Op As	
	Q LpsSearchSvc	Service responsible for processing video analytics algorithms	Started	Automatic	Local System	
	LS Client Update Server	The Client Update Server is used to automatically update client works		Manual	Local System	
	LS Communication Server	The Communication Server acts as the communication "gateway" for i		Automatic	Local System	
	🕵 LS Config Download Service	This service is used to propagate configuration changes down to the		Manual	Local System	
	LS DataConduIT Message Que	The LS DataConduIT Message Queue Server is an adapter that works		Manual	Local System	
-	LS DataConduIT Service	The DataConduIT Service is a platform for integrating with IT system	Started	Automatic	.\administrator	
g	🏩 LS DataExchange Server	The DataExchange Server is used to exchange database information		Manual	Local System	
n	🎑 LS Global Output Server	The Global Output Server (GOS) is used to send output to any suppor		Manual	Local System	
	🖳 LS ID Allocation	The ID Allocation Service is used to manage pre-allocated IDs across		Manual	Local System	
	🔍 LS License Server	The License System Server is run on servers only, and controls which	Started	Automatic	Local System	
	🍓 LS Linkage Server	The Linkage Server is responsible for directing automatic email/paging	Started	Automatic	Local System	
	🎑 LS Login Driver	The Login Driver is a service that is used to change the database pas	Started	Automatic	Local System	
	🎑 LS PTZ Tour Server	LS PTZ Tour Server		Manual	Local System	
	🖳 LS Replicator	Replicator is run on either a Enterprise Regional Server or a Distribute		Manual	Local System	
	🎑 LS Video Archive Server	The Video Archive Server is a system service that is responsible for ar		Manual	Local System	
	🎑 Message Queuing	Provides a messaging infrastructure and development tool for creatin	Started	Automatic	Network Service	
	🎑 Message Queuing Triggers	Provides rule-based monitoring of messages arriving in a Message Qu	Started	Automatic	Network Service	
	🎑 Microsoft .NET Framework NG	Microsoft .NET Framework NGEN		Disabled	Local System	
	Microsoft .NET Framework NG	Microsoft .NET Framework NGEN		Disabled	Local System	
	Figure 5 Windows Services					

2. Modify the LS DataCondulT Service to be executed as the same user that was created in OnGuard Single Sign-On User on page 3. For example:\Administrator

LS DataConduIT Service	Properties (TEST-10-224)	×
General Log On Reco	overy Dependencies	
Log on as:		
C Local System account of Allow service to i	int interact with desktop	
This account	.\administrator	Browse
Password:	•••••	
<u>C</u> onfirm password:	•••••	
Help me configure user	account log on options.	
	OK Cancel	Apply

Figure 6 User for LS DataCondulT

Installing OnGuard to Ocularis Event Proxy

- Refer to the system requirements defined on the OnSSI website for hardware specifications for Ocularis.
- Follow the procedure below when installing a new system or upgrading existing copies of this event proxy.

MESSAGE QUEUING (MSMQ)

Ensure Microsoft Message Queuing is installed on the event proxy system.

TO INSTALL THE ONGUARD TO OCULARIS EVENT PROXY

These instructions assume that you have installed Ocularis and are located at the system on which you wish to install the **OnGuard to Ocularis Event Proxy**. This can be any system with network connectivity to both the Ocularis Base and OnGuard server.

1. Double click the file Setup.exe to begin the installation process.

🖟 OnGuard to Ocularis Events Config
Welcome to the OnGuard to Ocularis Events Config Setup Wizard
The installer will guide you through the steps required to install OnGuard to Ocularis Events Config on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < Back Mext>

Figure 7 OnGuard to Ocularis Events Setup Wizard

2. At the Welcome screen, click Next.

📴 OnGuard to Ocularis Events Config
Select Installation Folder
The installer will install OnGuard to Ocularis Events Config to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
<u>F</u> older:
C:\Program Files (x86)\DnSSI\DnGuard to Ocularis Events Config\ Browse
Disk Cost
Install OnGuard to Ocularis Events Config for yourself, or for anyone who uses this computer:
⊂ Just <u>m</u> e
Cancel < <u>B</u> ack <u>N</u> ext >

Figure 8 Select Installation Folder

3. Use the default folder or enter another location for the installation files. Select for **Everyone** or **Just me**. Click **Next** to continue.

🙀 OnGuard to Ocularis Events Conf	îg		
Confirm Installation			
The installer is ready to install OnGuard t	to Ocularis Events	Config on your computer.	
Click "Next" to start the installation.			
	Cancel	<a>Back	<u>N</u> ext >

Figure 9 Confirm the Installation

4. On the *Confirm Installation* page, click **Next** to start the installation.

Set Service Login	? 🗙		
<u>U</u> sername:	.\Administrator		
Password:			
<u>C</u> onfirm password:			
	OK Cancel		
Figure 10 Service Login			

5. On the **Set Service Login** screen, enter the username and password for the OnGuard to Ocularis Event Proxy service. Enter the **Single sign-on** user created on page 3 (*OnGuard Single Sign-On User*).

🙀 OnGuard to Ocularis Events Config	
Installation Complete	5
OnGuard to Ocularis Events Config has been successfully installed. Click "Close" to exit	
Please use Windows Update to check for any critical updates to the .NET Framework.	
Cancel < Back	Close

Figure 11 Installation Complete

6. Click Close.

An icon to launch the proxy administrator will be appear on the desktop. This icon is labeled 'OnGuard to Ocularis Events Configuration'.



OnGuard to Ocularis Event Proxy Administration

This process is used to route events from an OnGuard server to the Ocularis Base.

- 1. Launch the **OnGuard to Ocularis Events Configuration** application from the desktop of the machine on which it was installed.
- 2. In OnGuard section of the Settings tab:
 - a. if the proxy is installed on the OnGuard Server machine, the **Host**, **Username** and **Password** can remain blank
 - b. if the proxy is installed on a remote machine, enter the OnGuard Server **Host** IP Address, the Single Sign On **Username** and Single Sign On **Password**.
- 3. In the Ocularis section, enter the Ocularis Base IP address in the Host field.
- 4. For the **Source Name**, enter a label for the OnGuard installation as you would like it to appear in the *Ocularis Administrator* Server/Events tab.
- 5. Click Save.

 OnGuard to Ocularis Event Service Adminis 	trator	
File Help		
Settings Daviage Events		
OnGuard		
Host	192.168.10.224	
Usemame	administrator	
Password	•••••	
		Test
Ocularis		
Host	192.168.11.250	
Source Name	From OnGuard	
Guid	9e9735bd-ae68-4dfe-9b41-b037c6bacbbb	
		Save

Figure 12 Configure Settings Tab

6. Click the **Test** button. A pop-up with a **Success** message appears when a successful connection to OnGuard is made.



🗢 OnGuard to Ocularis Event Service Administrator						- D X		
File Help								
	Settings Devices Events							
		Select	Panel 🔺	Name	Panel ID	ID	Sub-Device ID	
	.0	V	LNL-2220 (Demo Box)	LNL-2220 (Demo Box)	9	0		
		V	LNL-2220 (Demo Box)	1-Reader (HID OSDP)	9	1		
		V	LNL-2220 (Demo Box)	3-Reader (MIFARE Reader w/PINPad)	9	2		
		V	LNL-2220 (Demo Box)	2-Reader (Lenel OpenProx)	9	3		
		V	LNL-2220 (Demo Box)	1-Reader (HID OSDP)_Input1	9	1	1	
		1	LNL-2220 (Demo Box)	3-Reader (MIFARE Reader w/PINPad)_Input1	9	2	1	
		1	LNL-2220 (Demo Box)	2-Reader (Lenel OpenProx)_Input1	9	3	1	
		1	LNL-2220 (Demo Box)	1-Reader (HID OSDP)_Input2	9	1	2	
		1	LNL-2220 (Demo Box)	3-Reader (MIFARE Reader w/PINPad)_Input2	9	2	2	
		1	LNL-2220 (Demo Box)	2-Reader (Lenel OpenProx)_Input2	9	3	2	
		1	LNL-2220 (Demo Box)	1-Reader (HID OSDP)_Output 1	9	1	17	
		1	LNL-2220 (Demo Box)	3-Reader (MIFARE Reader w/PINPad)_Output1	9	2	17	
		1	LNL-2220 (Demo Box)	2-Reader (Lenel OpenProx)_Output1	9	3	17	
		1	LNL-2220 (Demo Box)	1-Reader (HID OSDP)_Output2	9	1	18	
		1	LNL-2220 (Demo Box)	3-Reader (MIFARE Reader w/PINPad)_Output2	9	2	18	
		1	LNL-2220 (Demo Box)	2-Reader (Lenel OpenProx)_Output2	9	3	18	
			Ocularis Base	Ocularis Base	12	0		
Save								
_	_							

Figure 13 Configure Devices Tab

Select the desired Panel(s) and click **Save**.

8. In the **Events** tab, select the Event Type(s) that you want OnGuard to send to Ocularis.

🗢 OnGuard to Ocularis Event Service Administrator						
File Help						
Settings	Device	s Events				
	Select	Event Type Description	Subtype Description	Event Type ID	Subtype ID	
		Area APB	Area Limit Minimum	3	12	
		Area APB	Interlock Area Busy	3	13	
		Area APB	Exit Request Denied: Interlock Area Busy	3	14	
		Area APB	Cannot Open Door: Interlock Area Busy	3	15	
		System	Not Configured	4	0	
		System	Alarm Canceled	4	1	
	V	System	Alam Active	4	2	
		System	Line Error Active	4	4	
		System	Shorted Line Alarm Active	4	5	
		System	Open Line Alarm Active	4	6	
		System	Grounded Loop Alarm Active	4	7	
•	V	System	Door Forced Open	4	8	
		System	Door Forced Open Canceled	4	9	
		System	Door Held Open	4	10	
		System	Door Held Open Canceled	4	11	
		System	Reader Input Tamper	4	14	
		System	Reader Input Tamper Canceled	4	15	-
	Save					

Figure 14 Configure Events Tab

9. Click Save.

Ocularis Administrator Configuration

Some configuration is required on the Ocularis Base. Use the *Ocularis Administrator* application to configure the Base.

1. Log into Ocularis Administrator.

OnGuard events will appear under the Events pane of the Server / Events tab.

 Follow the standard procedure to map Ocularis cameras to OnGuard events as you would any other events. Ensure you have the appropriate privileges to any cameras used in the mapping and that the events are included in corresponding Distribution Groups.



For more information on Ocularis events and their configuration, review the Ocularis Administrator User Manual.

OnGuard Alarm Monitoring

📮 Alarm Monitoring - System Account							
Elle Edit View Irace Configure Control Options Window Help							
🔍 🤪 🛝 🏗 - 🍁 📵 🎇 🗷 - 🛥 🖿 🍫 - 利 🕑 🏯 - 😌 🗟 🖨							
🛕 Main Alarm Monitor							
Alarm Description 1	lime/Date 👻	Controller	Device	Input/Output	Card	Priority	
Opor Held Open Granted Access Opor Forced Open Alarm Restored Alarm Restored Alarm Restored Invald Facility Code Invald Facility Code Opor Held Open Restored Door Held Open Restored	1:18:13 PM 9/8/2014 1:17:33 PM 9/8/2014 1:16:21 PM 9/8/2014 1:16:12 PM 9/8/2014 1:16:05 PM 9/8/2014 1:15:45 PM 9/8/2014 1:15:46 PM 9/8/2014 1:15:46 PM 9/8/2014 1:15:25 PM 9/8/2014 1:15:25 PM 9/8/2014	LVIL-2220 (Demo Box) LVIL-2220 (Demo Box)	2-Reader (Lenel OpenProx) 2-Reader (Lenel OpenProx) 3-Reader (MITARE Reader w(PINPad) 2-Reader (MITARE Reader w(PINPad) 2-Reader (Lenel OpenProx) 3-Reader (MITARE Reader w(PINPad) 1-Reader (MITARE Reader w(PINPad) 2-Reader (Lenel OpenProx) 2-Reader (Lenel OpenProx) 2-Reader (Lenel OpenProx)	None None Back Door (Input 2) PANIC (Input 3) Front Door (Input 1) None PANIC (Input 4) None None None	(102654) Facility code (123) Facility code (26640)	150 050 200 100 150 150 200 100 100	
Selected alarm:					Sort criteria: Time/Date (I	Descending) Pending: 4 Total: 11 ;	
, System Status Tree (all device	25)						
 □ Erotfault Zone □ ILReader (HID OSDP) ▲ Armed □ ILReader (HID OSDP) ▲ Armed □ ILReader (HID OSDP) ▲ Armed □ IReader (Lenel Openi ← PANIC (Input 3) ▲ PANIC □ 3-Reader (MIFARE Re ← Front Door (Input 2) ▲ Back Door (Input 2) ▲ Door □ Oularis Base (Firmware Ri ⇒ Back Door (227-12.11) ⇒ Front Door (227-12.11) ⇒ Front Door (227-12.11) ⇒ Parking Exit (227-11.1) 	<pre>mware Revision:1.176 (access mode: pin or c Prox) (access mode: ca ader w/PINPad) (access 1) c) evision:4.1.0.172) 4) 12.149) dow (227-10.165) dow (227-11.242) 77 -12.115) -20.165) 02)</pre>	[Not Current]; Panel opf ard) ard only) s mode: pin or card)	cions mismatch)				

Figure 16 Alarm Monitoring

Ocularis Client Operation

Log into the **Ocularis Client**. Display a view that contains a **Blank Screen**. When an OnGuard or any other configured event occurs, any combination of the following may result:

- Video from an associated camera will display in the Blank Screen
- Sound configured to the event may be played
- An email may be sent to authorized recipients
- A PTZ camera may be moved to a configured preset
- ASCII or binary data from Oculars may be sent to a designated recipient
- HTTP requests may be generated

For more information on Ocularis events and their configuration, review the Ocularis Administrator User Manual.

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