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Introduction

This manual provides detailed instructions for installing and configuring the OnGuard to Ocularis Event Proxy to receive OnGuard events into Ocularis. This assumes you have working knowledge of OnGuard and Ocularis.

This document is specifically for:

- OnSSI OnGuard to Ocularis Event Proxy Installer.exe (5.5.1.160)
- OnGuard 7.4 (7.4.457.69)
- Ocularis 5.5 (5.5.0.250) & Ocularis 5.6 (5.6.0.339)

The majority of the testing was completed on Windows Server 2012 R2.

Getting Started with OnGuard and Ocularis

PREREQUISITES

- Ocularis requires Message Queuing (MSMQ). Ensure this is installed on the Server and Client systems.

REVIEW ONGUARD MANUALS

- Review the Lenel OnGuard documentation:
  - System Administration User Guide
  - DataConduIT User Guide
  - Alarm Monitoring User Guide

REVIEW OCULARIS MANUALS

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

Once all OnGuard and Ocularis components are installed, please synchronize the date and time for all systems being used.
MAKE **ONGUARD** AND **OCULARIS** WORK TOGETHER

The OnGuard to Ocularis Event Proxy (OOEP) wants to receive events from OnGuard through DataConduIT.

OnGuard Linkage Server and DataConduIT -> Message Queuing -> OOEP -> Ocularis

DataConduIT is installed as part of a standard OnGuard server installation. Note that DataConduIT must be installed on the same machine as the Linkage Server if you want to receive events through DataConduIT.

DataConduIT is a licensed feature.

DataConduIT runs as a Windows service under the Local System account. It does not run as an application. OOEP is installed and uses the same Windows service under the same Local System account as DataConduIT. This way DataConduIT and OOEP are using the same Local System account.

Each OnGuard software manual contains the “Log into the Application Using Single Sign-On” procedure (single sign-on = SSO). Refer to this procedure to log into OnGuard after SSO has been configured.

Automatic SSO is the only authentication mechanism. Therefore, to use DataConduIT, SSO must be configured.

When the OOEP makes a call into DataConduIT the first thing DataConduIT does is decide whether it is permitted to perform the operation. To do this, DataConduIT checks which Windows account has made the DataConduIT call. This is the account of the person logged on to the machine. Once DataConduIT retrieves this account, it attempts to perform automatic SSO using this account. This is the same SSO mechanism used by all OnGuard applications.

Once the SSO succeeds, the OOEP is listening for DataConduIT information.

The OOEP is configured to listen to DataConduIT, to filter by selecting what Devices and Events and then pass that filtered data to the Ocularis Base.
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 (SSO) account (refer to OnGuard documentation if needed).

Directories...
1. Open **OnGuard System Administration ➔ Administration ➔ Directories**...
2. The dialog for **System Administration – System Account – [Directories]** opens.
3. 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.

![Figure 1 General Tab of Directories](image)

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

![Figure 2 Authentication Tab of Directories](image_url)

5. Click **OK** to accept the changes

6. Click **Close** to close the dialog.
Users...

Link the Current Windows Account (in this example Administrator) to the System Account users, under the Directory Accounts tab link the WinLocalAccount.

1. Open OnGuard System Administration ➔ Administration ➔ Users...
3. In the Users tab
   - Select name System Account, System Account
   - Click Add.
   - Select the Directory Accounts tab
   - Click the Link... button.
   - The Select Account dialog opens. Click Search button to show the Accounts.

   **Figure 3 Select Account Dialog of Users**

   - Highlight Administrator and click OK.
4. Click **OK** to accept the changes

5. Click **Close** to close the dialog.
System Options...

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

1. Open **OnGuard System Administration → Administration → System Options**...
2. The dialog for **System Administration – System Account – [System Options]** opens.
3. Click **Modify**.
4. In the **General System Options** tab enter:
   - Under **DataConduit service** check **Generate software events** checkbox.
   - Enter the **Linkage Server host** name. Example: TEST-30-100

5. Click **OK** to save **General System Options**.

6. If this warning appears click **OK**.
7. Click **Close** to close the dialog.

**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 DataConduIT Service** is set to Automatic.

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Status</th>
<th>Start Type</th>
<th>Log On As</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS Linkage Server</td>
<td>Started</td>
<td>Automatic</td>
<td>Local System</td>
</tr>
<tr>
<td>LS DataConduIT</td>
<td>Started</td>
<td>Automatic</td>
<td>Local System</td>
</tr>
</tbody>
</table>

2. Modify the **LS DataConduIT Service** to be executed as the same user that was created in **OnGuard Single Sign-On User** on page 4. For example: **Administrator**

   ![Figure 8 Windows Services](image)

   ![Figure 9 User for LS DataConduIT](image)
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.
- It is recommended that the OnGuard to Ocularis Event Proxy is installed on the OnGuard Server System.

MESSAGE QUEUING (MSMQ)

Ensure Microsoft Message Queuing is installed.

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.

Double click the file OnSSI OnGuard to Ocularis Event Proxy Installer.exe to begin the installation process.

Welcome, click Next >.
Select Destination Folder, use the default folder or enter another location for the installation files. It is recommended to use the default: **C:\Program Files (x86)\OnSSI\OnGuard to Ocularis Event Proxy**. Click **Next >** to continue.

Ready to Install, confirm the Current Settings, click **Next >** to start the installation.
Click Finish.

**SET SERVICE LOGIN TO SINGLE SIGN-ON CREDENTIALS (INSTALL.BAT)**

Navigate to the installation directory.
The default is `C:\Program Files (x86)\OnSSI\OnGuard to Ocularis Event Proxy`.
Double click the `install.bat` file.

On the Set Service Login dialog enter the username and password for the OnGuard to Ocularis Event Proxy Service.
Enter the Single sign-on user created during the previous ONGUARD SINGLE SIGN-ON USER process, in the form domain\user.
If the account is a local (non-domain) account, the domain would be ".", as in ".\myusername".

Click OK.
**ONGUARD TO OCULARIS EVENT PROXY SERVICE**

Open Services and verify **OnGuard to Ocularis Event Service** is Running.

![Figure 16 OnGuard to Ocularis Event Service](image)

**SUPPORT LOGS**

The OnGuard to Ocularis Event Proxy is installed at the following location by default:

C:\Program Files (x86)\OnSSI\OnGuard to Ocularis Event Proxy.

The operational log files are:

- eventservice.log
- eventgui.log
- InstallUtil.InstallLog

*In the rare occurrence that Tech Support assistance is required, these files will be requested.*

**DESKTOP ICON**

An icon to launch the **OnGuard to Ocularis Events Configuration** will appear on the desktop.

![Figure 17 Desktop Icon](image)
Configure the OnGuard to Ocularis Event Proxy

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

Launch the **OnGuard to Ocularis Events Configuration** application from the desktop of the machine on which it was installed.

**SETTINGS**

1. 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. *This is recommended.*
   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**.

2. In the **Ocularis** section of the **Settings** tab:
   a. Enter the Ocularis Base IP address in the **Host** field.
   b. 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.

![OnGuard to Ocularis Event Proxy Configuration](on-guard-to-ocularis-event-proxy-configuration.png)

*Figure 18 OnGuard to Ocularis Event Service Administrator – Settings. Local, installed on OnGuard Server System*
3. Click the Test button to verify connection to the OnGuard Server System. A pop-up with a Success message appears when a successful connection to OnGuard Server System is made.

**DEVICES**

1. In the Devices tab, there are Panel(s) defined in the list. The Panel, Name, Panel ID, ID and Sub-Device ID are provided for reference. These columns are sortable. These come from the OnGuard System Server.
2. Select the desired Panel(s) to use from the OnGuard Server System.
EVENTS

1. In the Events tab, select the Event Type(s) that you want OnGuard to send to Ocularis. In the Events tab, there are Events defined in the list. The Event Type Description, Subtype Description, Event Type ID and Subtype ID are provided for reference. These columns are sortable. These come from the OnGuard System Server.

2. Select the desired Events(s) to use from the OnGuard Server System.

CONFIGURATION COMPLETE

1. 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. Note the **Source Name** that was entered during the configuration of the OnGuard to Ocularis Event Service Administrator Settings.

2. **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*. 

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*Figure 23 Ocularis Administrator*
OnGuard Alarm Monitoring

Figure 24 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 Ocularis 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.

In the above example we see 2 event conditions from OnGuard causing Blank Screen alarms on Ocularis:

Alarm 1:
- Event: Alarm Active
- Device: 2-Lenel OpenProx Input 3 - Motion

Alarm 2:
- Event: Alarm Active
- Device: 2-Lenel OpenProx Input 4 - Reset
Contact Information

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