Ocularis

OnSSI S2 Events Service

NetBox to Ocularis Proxy

Installation & Configuration Guide

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US patent # 8390684 B2 for Ocularis Client

Patents Applied For in the U.S. and Abroad
# Table of Contents

Introduction .................................................................................................................................................. 5
Getting Started with S2 NetBox and OnSSI Ocularis ..................................................................................... 5
   Prerequisites ............................................................................................................................................. 5
   Review S2 NetBox Manuals ...................................................................................................................... 5
   Review OnSSI Ocularis Manuals ................................................................................................................ 5
S2 NetBox System Description ...................................................................................................................... 6
Ocularis System Description .......................................................................................................................... 7
OnSSI S2 Events Service Install Process ........................................................................................................ 8
   Prerequisites ............................................................................................................................................. 8
   Install the OnSSI S2 Events Service ........................................................................................................... 8
OnSSI S2 Events Configuration ...................................................................................................................... 11
   Steps to configure the OnSSI S2 Events Service ...................................................................................... 12
   Description of OnSSI S2 Events Service ................................................................................................. 12
      S2 Events Settings ............................................................................................................................... 12
      Service Control .................................................................................................................................... 12
      Settings ................................................................................................................................................ 12
      Configuration ...................................................................................................................................... 12
      Devices ................................................................................................................................................ 13
      Events .................................................................................................................................................. 13
      View Log .............................................................................................................................................. 13
      Exit ....................................................................................................................................................... 13
Additional Setup.......................................................................................................................................... 14
   Setup and verify Video Motion Detection (VMD) from Ocularis ............................................................ 14
   Setup and verify video recording actions from S2 NetBox ..................................................................... 14
   Setup and verify PTZ actions from S2 NetBox ........................................................................................ 14
   Setup and verify preset actions from S2 NetBox .................................................................................... 14
Miscellany ...................................................................................................................................................... Error! Bookmark not defined.
Appendix on Network Port Setup .............................................................................................................. Error! Bookmark not defined.
Introduction

This manual provides detailed instructions for installing and configuring the NetBox to Ocularis Event Proxy to receive S2 NetBox events into OnSSI Ocularis. This assumes you have working knowledge of S2 NetBox and OnSSI Ocularis.

This is document is specifically for:

- S2 NetBox (v4.9.08 and Software Revision: 81956)
- OnSSI Ocularis 5.6 (v5.6.0.341)
- OnSSI S2 Events Service Installer 5.6.exe

The majority of the testing was completed on Windows Server 2008 R2 and Windows 10 using Microsoft Internet Explorer 11.

Getting Started with S2 NetBox and OnSSI Ocularis

Prerequisites

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

Review S2 NetBox Manuals

- Review the S2 NetBox documentation:
  - Check S2 NetBox web page for all documentation.
  - Check Hardware and Software requirements.

Review OnSSI Ocularis Manuals

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

Once all S2 NetBox and Ocularis components are installed, please synchronize the date and time for all systems being used.
S2 NetBox System Description

S2 NetBox is a full-featured, web-based access control and event monitoring system.

- Web Interface - Delivers browser-based, unified system management and administration.
- Video Integration - Works with OnSSI Ocularis video management system.
Ocularis System Description

The Ocularis system is considered to be:

- IP Video Cameras
- Ocularis Recorder - Master Core, Device Manager and Storage
- Ocularis Recorder Proxy - required for Events and Recorder settings
- Ocularis Base / Administrator
- Ocularis Client
- Ocularis Media Server (OMS) – Must be installed on the Ocularis Base system

Ocularis System Description

3rd Party Server and Ocularis Add-On:

- Use the events from the 3rd Party Server.
- Use the events and video information from the Base.

The Ocularis Recorder Proxy is a requirement to get the events from Ocularis Recorder into the 3rd party Add-On.

Ocularis Recorder Proxy:

- Forwards multiple stream information from Recorder to Base.
- Sends PTZ presets from Recorder to Base.
- Notifies Base of Recorder change.

The Ocularis Web and Ocularis Mobile (Android & iOS) apps:

- Optimizes which stream to use based on screen size.

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Figure 1 – Ocularis
OnSSI S2 Events Service Install Process

Prerequisites

Install the OnSSI S2 Events Service

1. This Add-On should be installed on the Ocularis Base / Media Server system.

2. Place the OnSSI S2 Control Service Installer 5.6.exe on the desktop.

3. Double-click the OnSSI S2 Control Service Installer 5.6.exe to start the installation process.

4. Click the Next > button.
5. Select where to install, use the default location (C:\Program Files\OnSSI\S2 Events Service) or Change... button to browse or enter another location for the installation files.

Use the < Back button if changes are needed. Click Next > to continue.

6. Review the information, use the < Back button if changes are needed.

Click Next > to continue.
7. The Add-On will install.

8. Click the Finish button to complete the installation.
OnSSI S2 Events Configuration

1. Double-click on the OnSSI S2 Events Config icon to start the configuration process (runConfig.bat).

   Figure 8 – OnSSI S2 Control Config

   The system needs to be configured prior to accessing events and event sources. Please fill in the needed connection parameters, Save, and press 'Log In'.

   Figure 9 – OnSSI S2 Events Service Warning dialog

   Click **OK**.

   Figure 10 – OnSSI S2 Events Service configuration dialog
Steps to configure the OnSSI S2 Events Service

1. Fill in the **S2 Events Settings** edit boxes with the connection parameters for the local systems.

2. Click **Log In**, the Service will connect to the **S2 NetBox** and retrieve configured **Devices** from **S2 NetBox**. It will also retrieve any configured **User Events**. Once the Service is configured, the Configuration dialog will attempt to log into the **S2 NetBox** when the Configuration dialog is started.

3. Select the desired **Devices**. The **Events** pane will populate.

4. Select the desired **Events**.

5. Adjust the **Seconds to Throttle Events**. This is the seconds between like alarms in which the event will not be sent to the Ocularis system. Default is five (5) seconds.

6. Click **Save**.

7. Click **Set Source in Ocularis**, this will send the event source setup of the **Devices** and **Events** selected to Ocularis to make it aware of **S2 NetBox** events.

8. Click **Start** under **Service Control** to start the **OnSSI S2 Events Service**. To view logging information, click **View Log** prior to starting the Service.

9. **Service Control** shows as **Started**.

10. Click **Exit** to close the dialog.

Description of OnSSI S2 Events Service

**S2 Events Settings**

1. **Ocularis Server IP Address**, this is the address of the OMS.

2. **S2 NetBox Username**, this is the address of the OMS.

3. **S2 NetBox Password**, this is the address of the OMS.

4. **S2 NetBox IP Address**, this is the address of the OMS.

5. Click **Log In**, the Service will connect to the **S2 NetBox** and retrieve configured devices and available **S2 NetBox** events. It will also retrieve any configured user events. Once the Service is configured, the Configuration dialog will attempt to log into the **S2 NetBox** when the Configuration dialog is started.

**Service Control**

1. Click **Start** to start the service.

2. Click **Stop** to stop the service.

**Settings**

1. Click **Save** to save the Ocularis Server Connection Settings. This will also restart the service.

**Configuration**

1. **Set Source in Ocularis** - will send the source setup message to Ocularis to show the Events in Ocularis Administrator.
2. **Seconds to Throttle Events** - This is the seconds between like alarms in which the event will not be sent to the Ocularis system. Default is five (5) seconds.

**Devices**
1. Available devices from S2 NetBox.
2. Select All checkbox will select all items.

**Events**
1. Available events from S2 NetBox.
2. Select All checkbox will select all items.

**View Log**
1. Click the **View Log** button to observe log entries. This can be useful in the rare case a problem arises.

**Exit**
1. Click the **Exit** button to close the dialog.

![OnSSI S2 Events Service configuration dialog – Service Started](image-url)
Additional Setup

Setup and verify Video Motion Detection (VMD) from Ocularis

1. Ensure that you have configured VMD events on the Ocularis Recorder and Ocularis Base / Media Server system. You can set the field of motion and sensitivity per camera.
2. Using Microsoft Internet Explorer, log into the S2 NetBox using the S2 NetBox – System Administration web interface.
4. Select Configuration : Alarms : Virtual Inputs and assign your S2 event to an Ocularis connected camera Video Motion Event. Make sure the Virtual Input is Always Armed or using a currently active time specification. Also verify that both the Virtual Input and the Video Motion Event are Enabled.
5. Select Monitor : Monitoring Desktop and create motion on that camera.
6. Verify that your S2 event was triggered.

Setup and verify video recording actions from S2 NetBox

1. Using Microsoft Internet Explorer, log into the S2 NetBox using the S2 NetBox – System Administration web interface.
2. Select Configuration : Alarms : Events and define an S2 event with a Record Video action. Be sure to select an Ocularis connected camera.
3. Assign a trigger to this record video event. You can select Configuration : Alarms : Inputs and assign the event to the Off-normal Event, or you can select Configuration : Access Control : Portals and assign the event to the System-wide : Held state of a portal.
4. Select Monitor : Monitoring Desktop and trigger the event.
5. Verify that the event was triggered and click the video icon to view the recorded video.

Setup and verify PTZ actions from S2 NetBox

1. Using Microsoft Internet Explorer, log into the S2 NetBox using the S2 NetBox – System Administration web interface.
2. Select PTZ camera.
3. Move the camera with PTZ commands. Verify that the PTZ move was triggered.

Setup and verify preset actions from S2 NetBox

1. Using Microsoft Internet Explorer, log into the S2 NetBox using the S2 NetBox – System Administration web interface.
2. Select PTZ camera with configured presets.
3. Move the camera with preset commands. Verify that the preset move was triggered.
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