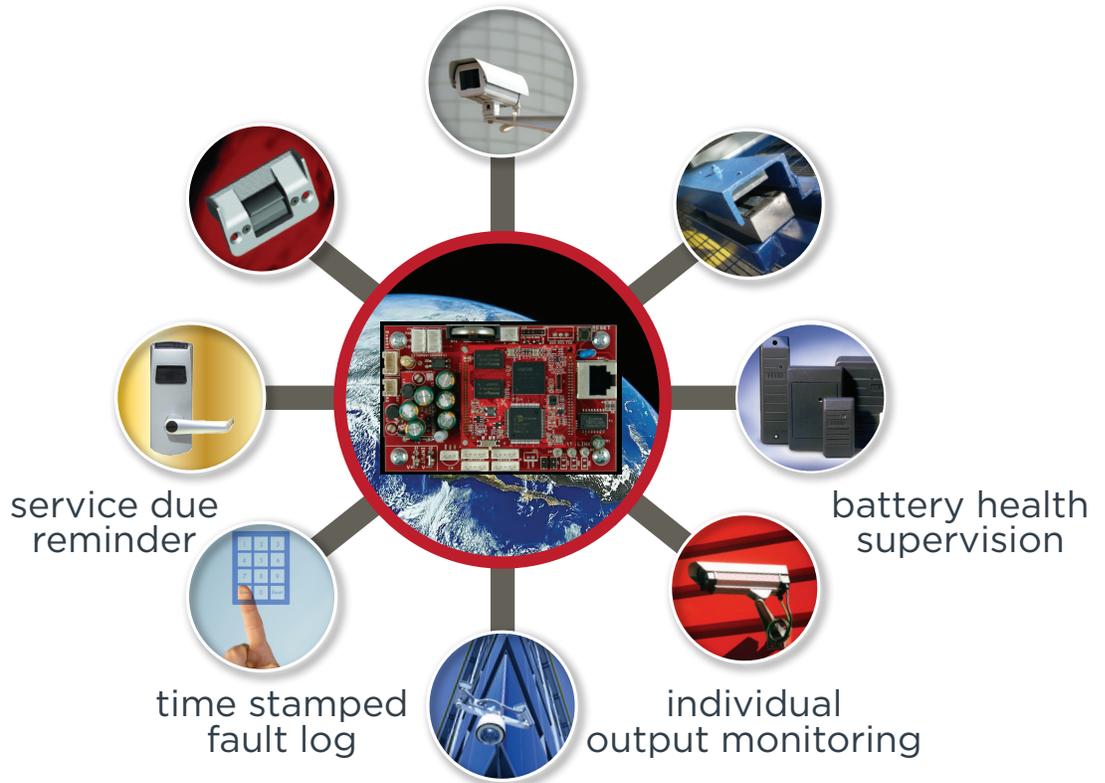




# Genetec™ Security Center Synergis.™



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## Section 1 – Introduction

LifeSafety Power's NetLink modules may be added to Genetec Security Center by installing the LSP Entity software package along with the Security Center SDK. Once installed, LSP Entity allows the user to add one or more NetLinks as entities, allowing Security Center to have access to the NetLink's status and control features, as well as provide a link to the NetLink's browser interface directly from within Security Center. This manual assumes the user is already familiar with Genetec's Security Center application and LifeSafety Power's NetLink module. For more information, consult the Security Center or NetLink documentation.

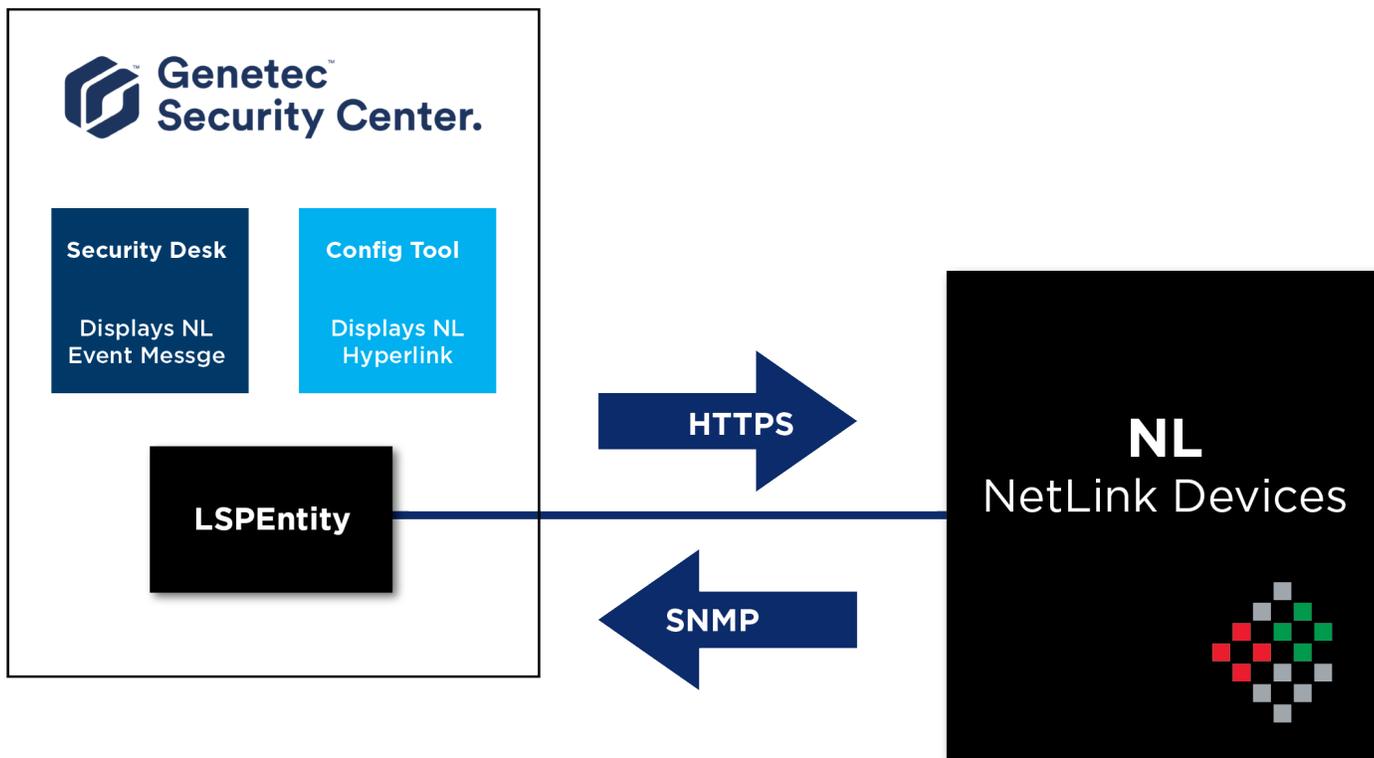
### 1.1 LSPEntity Architecture

LSPEntity integrates LifeSafety Power NetLink® (NL) devices into Security Center.

Security Center saves the NetLink's IP, Port number, username, password, and SNMPv3 Trap Receiver messages to entity properties.

LSPEntity enables users to import NetLink information from the Entities configure page and once imported, the NL devices will appear in the configure page. LSPEntity then generates the authentication information, so users can directly log into NetLink's home page via the NL hyperlink.

LSPEntity uses SNMP trap messages to receive NetLink status changes and generates custom events to Security Center from those trap messages.



## Section 2 – Installing the LSP Entity Application

The LSP Entity application must be installed on the PC which is running Security Center. The installation package will also install the Genetec Security Center SDK on the machine if not already installed.

**NOTE: It is strongly recommended to disable all antivirus software before installation.**

### 2.1 Install the LSP Entity Application

Please follow the steps below closely to properly install the LSP Entity software.

1. Ensure any previous version of LSP Entity is uninstalled completely from the PC.
2. Copy the LSP Entity installation files to the hard drive of the PC.
3. Open "LSPEntity x.xx.exe" (where "x.xx" is the version number) and click "Yes" or "Run" if the warning regarding "unknown publisher" appears (Figure 1).

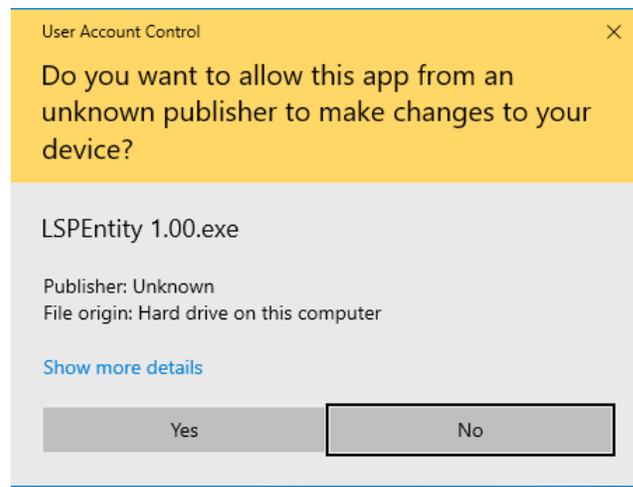


Figure 1

4. When the Installation Wizard appears, click Next (Figure 2).

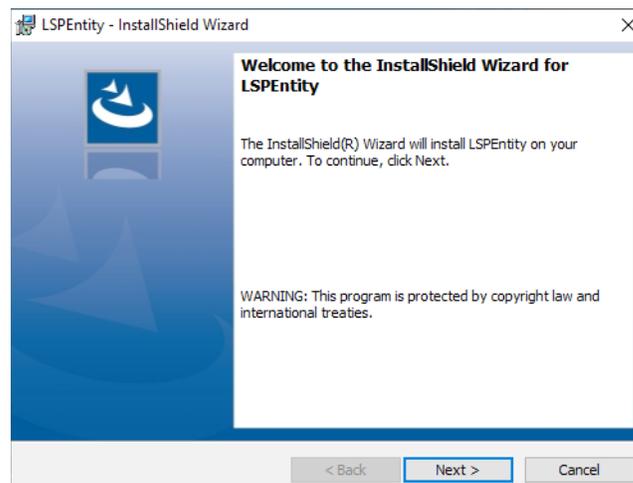


Figure 2



## Section 2 – Installing the LSP Entity Application (continued)

5. Read and accept the license agreement, then click Next (Figure 3).

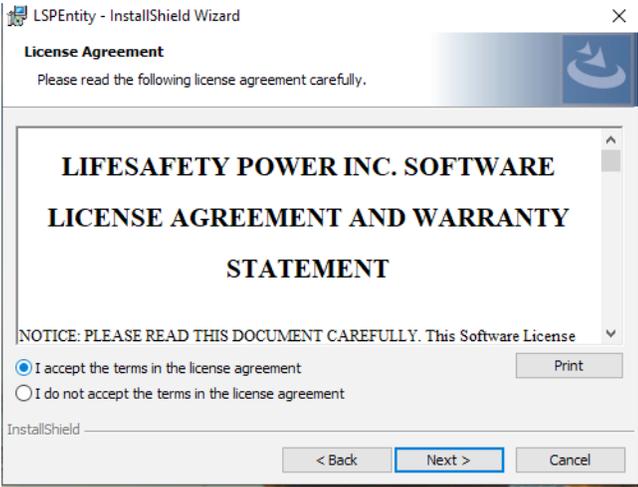


Figure 3

6. When the "Ready to Install" window appears, click Install (Figure 4).

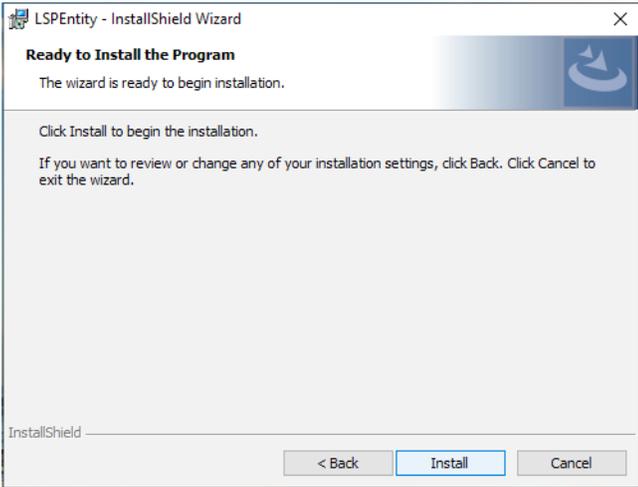


Figure 4

## Section 2 – Installing the LSP Entity Application (continued)

- When the installation is complete, click Finish (Figure 5).

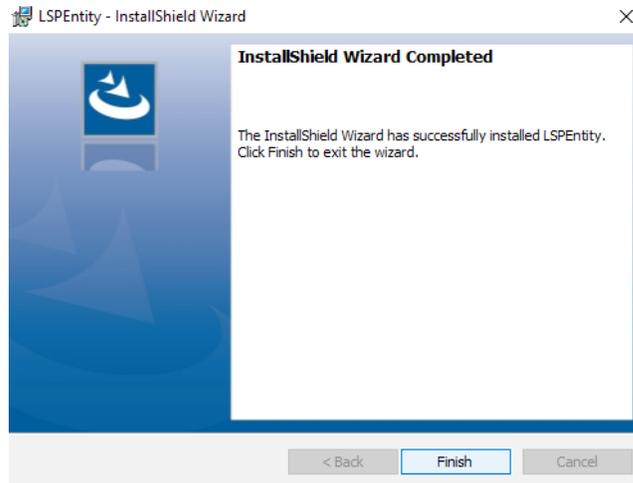


Figure 5

### 2.2 Install the Genetec Security Center SDK

Please follow the steps below closely to properly install the Genetec Security Center SDK

- From the Start Menu, click "Launch LSPServer.exe" to open the LSPEntity management interface (Figure 6).

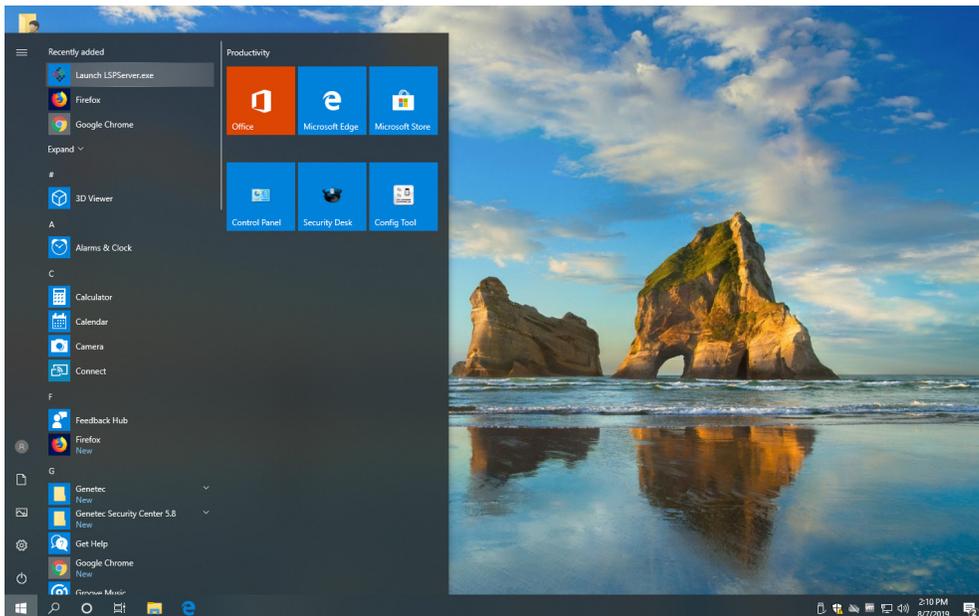


Figure 6



## Section 2 – Installing the LSP Entity Application (continued)

9. Click "Yes" or "Run" if the warning regarding "unknown publisher" appears (Figure 7).

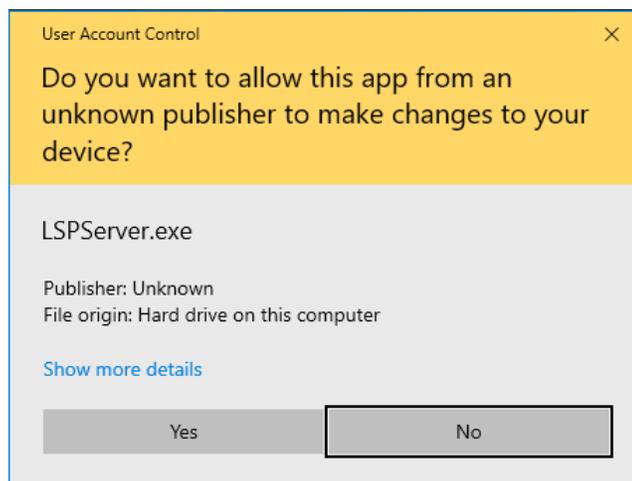


Figure 7

10. When opened for the first time, the LSPServer application will alert the user that the Genetec Security Center SDK is not installed. Click OK to unzip the files (Figure 8).

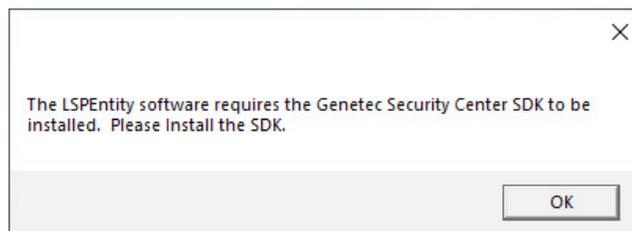


Figure 8

11. Choose a location for the files and click Unzip. When finished, click OK, then Close (Figure 9).

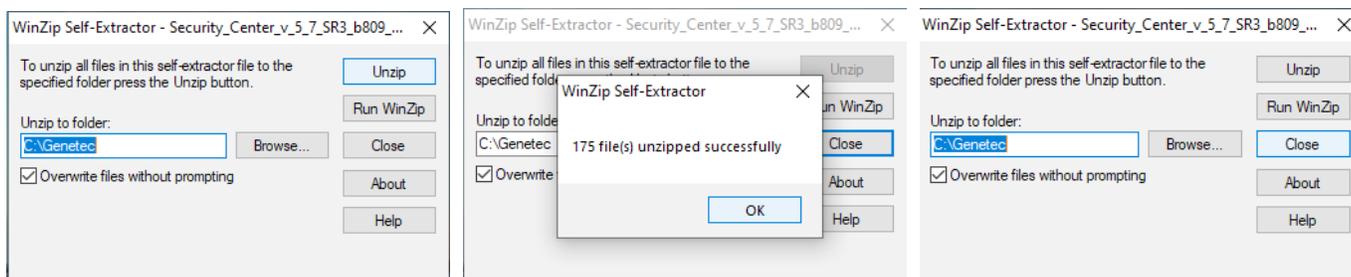


Figure 9

## Section 2 – Installing the LSP Entity Application (continued)

12. When the SDK Installation Wizard appears, click OK (Figure 10).

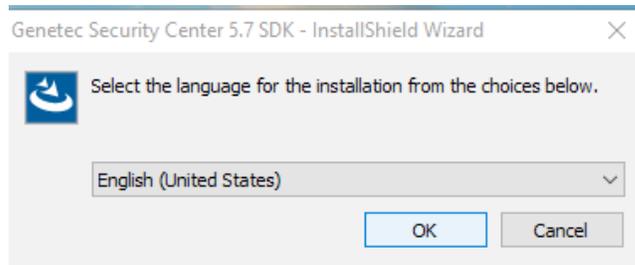


Figure 10

13. At the welcome window, click Next (Figure 11).



Figure 11



## Section 2 – Installing the LSP Entity Application (continued)

14. Read and accept the license agreement, then click Next (Figure 12).

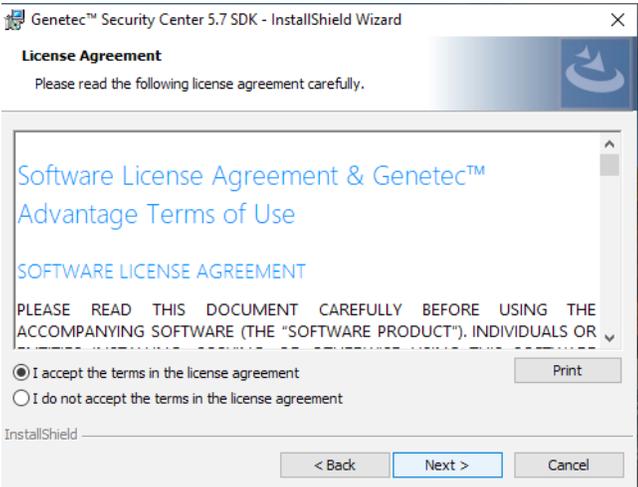


Figure 12

15. Leave the default destination folder or select the folder where Security Center is located, then click Next (Figure 13).

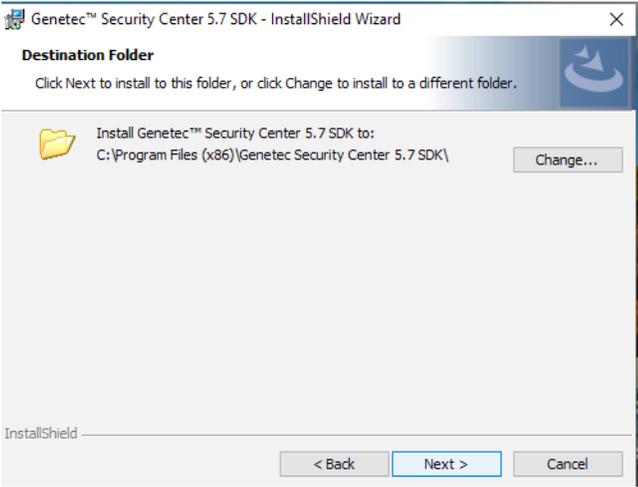


Figure 13

## Section 2 – Installing the LSP Entity Application (continued)

16. Ensure that "Create default firewall rules for Genetec Security Center x.x SDK" is selected, then click Next (Figure 14).

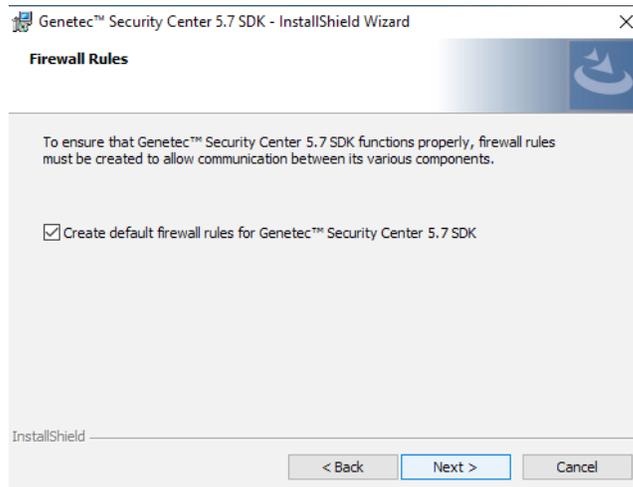


Figure 14

17. At the Ready to Install window, click Install (Figure 15).

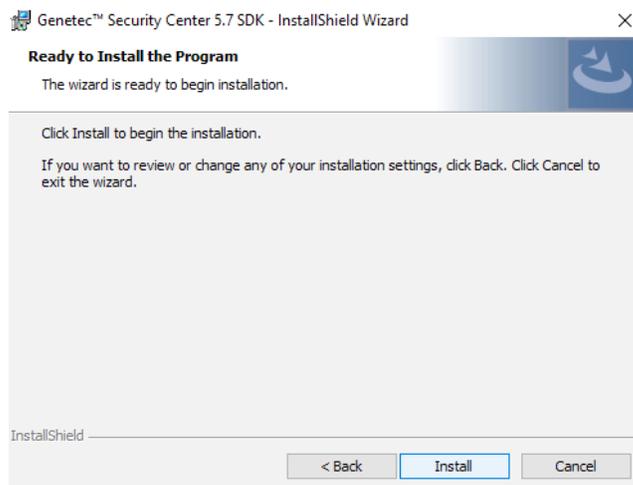


Figure 15



## Section 2 – Installing the LSP Entity Application (continued)

18. Ensure that "Automatically check for updates for all installed Genetec products" is selected, then click Next (Figure 16).

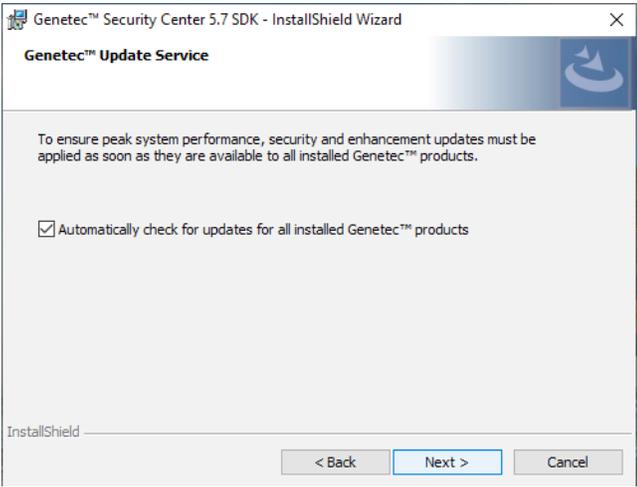


Figure 16

19. When the installation is complete, click Finish (Figure 17).

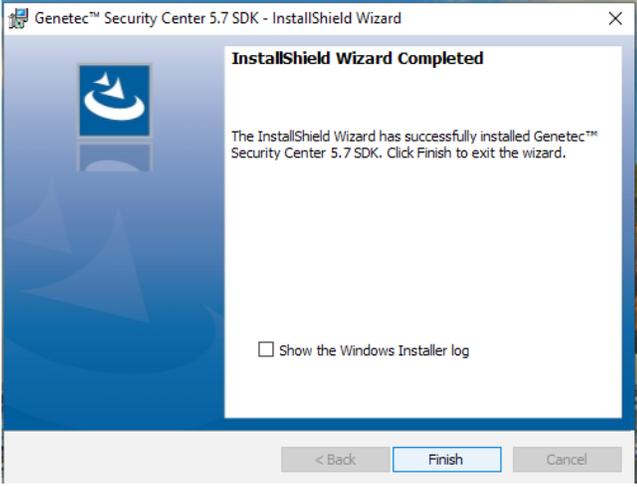


Figure 17

## Section 3 – Adding NetLink modules to Security Center

### 3.1 Logging into LSPEntity

Please follow the steps below closely to log into the LSPEntity application.

1. Open "Launch LSPServer.exe" from the Start menu to open the LSPEntity management user interface (Figure 18).

Figure 18

2. Enter the Genetec Security Center directory, user name, and password and click Login. If the login is successful, a popup will appear with the number of found LSP entities (Figure 19).

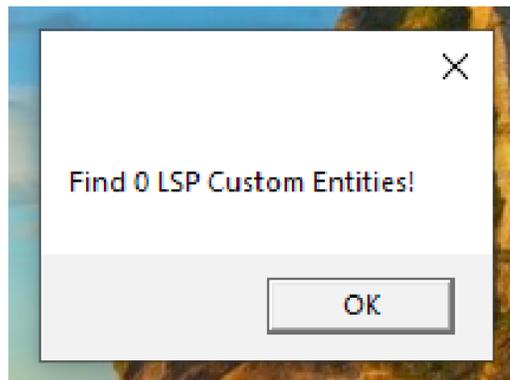


Figure 19



## Section 3 – Adding NetLink modules to Security Center (continued)

### 3.2 Create a NetLink CETD (Custom Entity Type Descriptor)

If a CETD has not been previously created, follow the steps below to add the CETD for LSP NetLink modules to Genetec Security Center.

3. From the LSPEntity window, click the Create CETD button (Figure 18). A popup will appear when the CETD is created successfully (Figure 20).

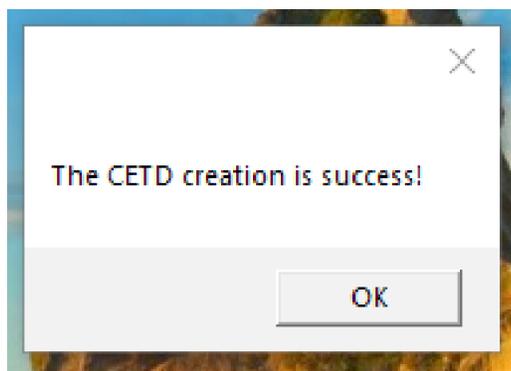


Figure 20

### 3.3 Add NetLink Entities to Security Center

Once a CETD has been created, follow the steps below to add LSP NetLink modules to Genetec Security Center.

4. Open Genetec Security Center and navigate to Config Tool > Area View > Add an Entity and select LSPNetLink (Figure 21).

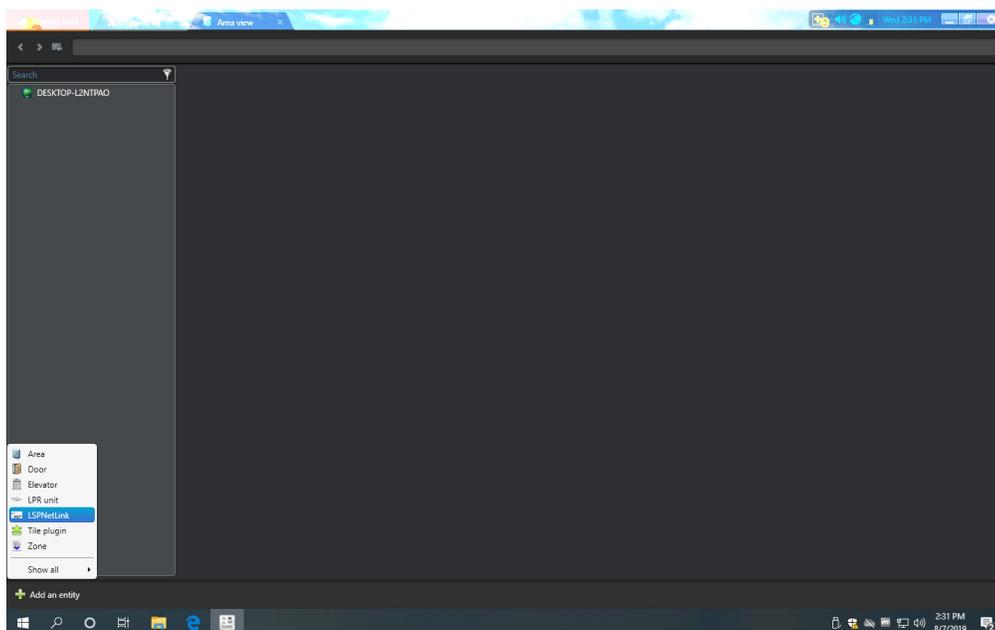


Figure 21

## Section 3 – Adding NetLink modules to Security Center (continued)

- Enter the Device Type, SiteID, IP address, HTTPS port, user name, and password for the NetLink to be added. Enter the SNMP V3 user name and password and the SNMP Port (ensure the information added matches the information on the configure page of the NetLink board). (Figure 22)

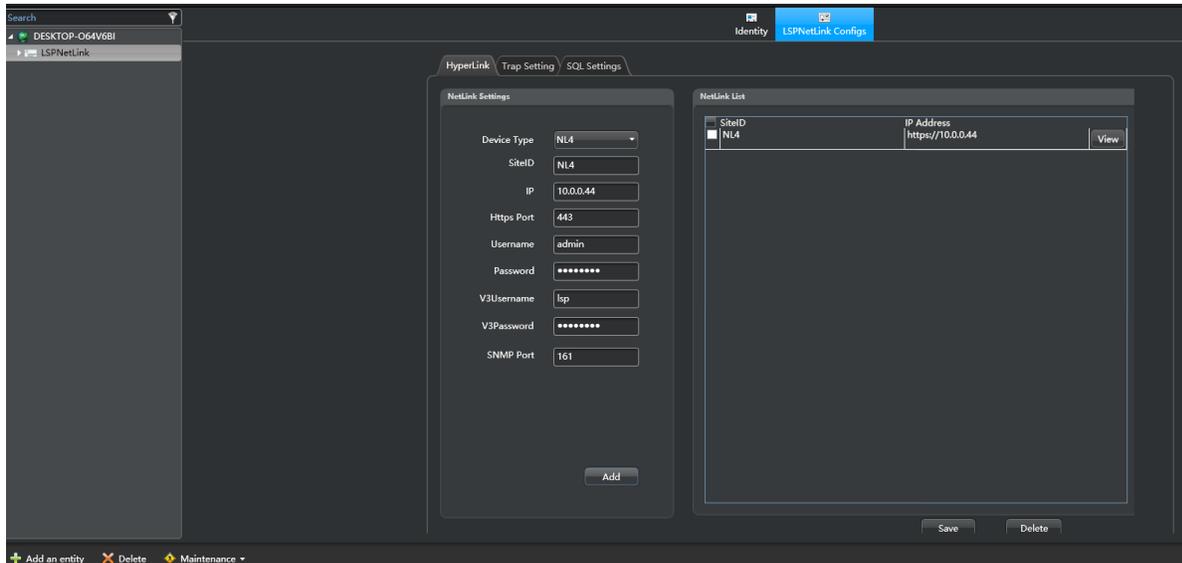


Figure 22

- Enter the SNMP Port (matching the SNMP port on the configure page of the NetLink). If the NetLink is translated via an IP converter, please configure the SNMP port to be accessible as a UDP port and link this port to the NetLink. (Figure 23)

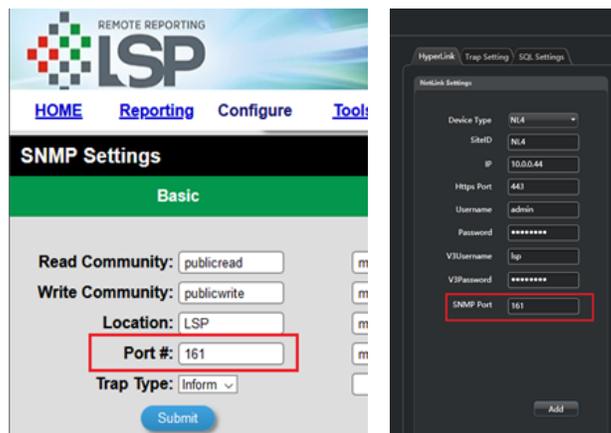


Figure 23

- Once the information is entered, click Add to save the NetLink hyperlink and the NetLink will be added to the NetLink List. (Figure 22)



## Section 3 – Adding NetLink modules to Security Center (continued)

8. Ensure the firewall inbound and outbound rules are configured to allow access to the SNMP port entered above. (Figure 24).

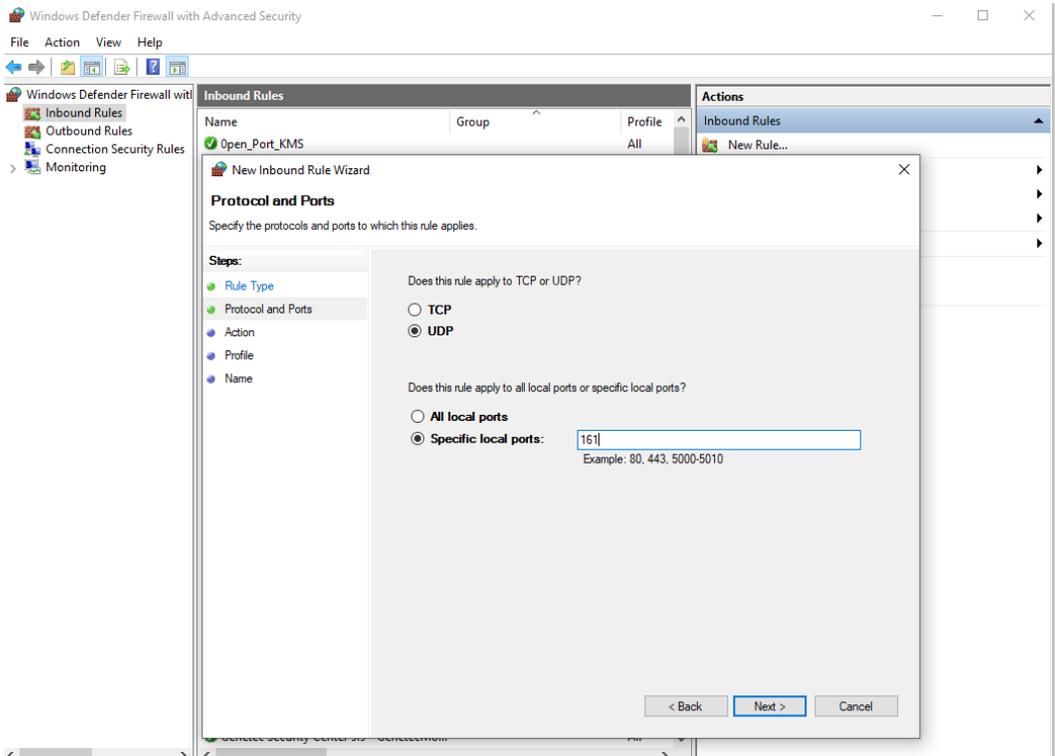


Figure 24

9. Once added, click the View button to access the NetLink's browser interface (Figure 25).

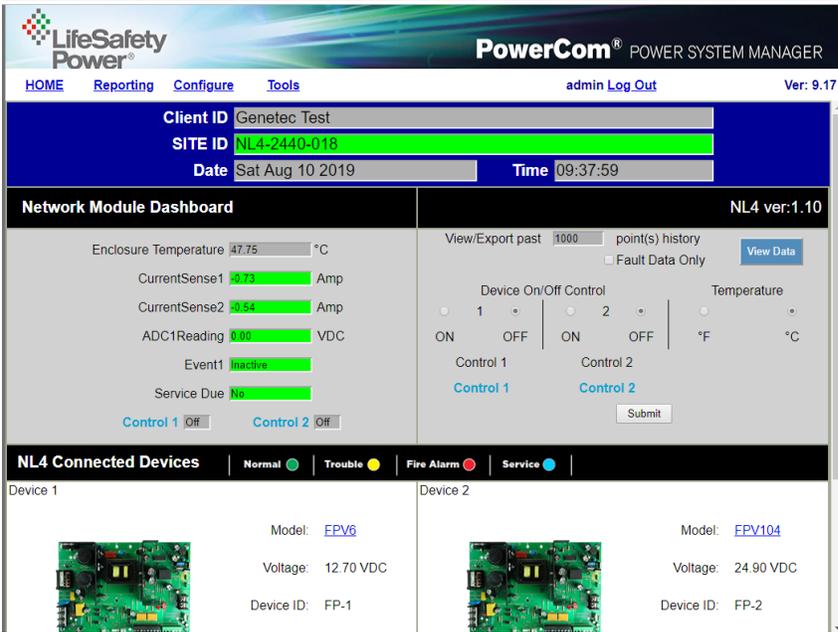


Figure 25

## Section 3 – Adding NetLink modules to Security Center (continued)

### 3.4 Configure SNMP Traps

Once a the NetLink Entity has been added to Security Center, the SNMP traps can be configured to allow reporting of NetLink events directly into Security Center.

- Open the "LSPNetLink Configs" page, select the "Trap Settings" tab, and add an SNMP V3 Trap Receiver. Select "Enable Trigger Event" to create an event when a NetLink Trap is received. Note that all LSP NetLink moduels share the Trap Receiver settings and SNMP v3 Trap Receiver, but trigger event settings are indepent. The SNMP version selected should be consistent with the SNMP version selected on the NetLink. If SNMPv3 is selected, a user name and password must be added. (Figure 26)

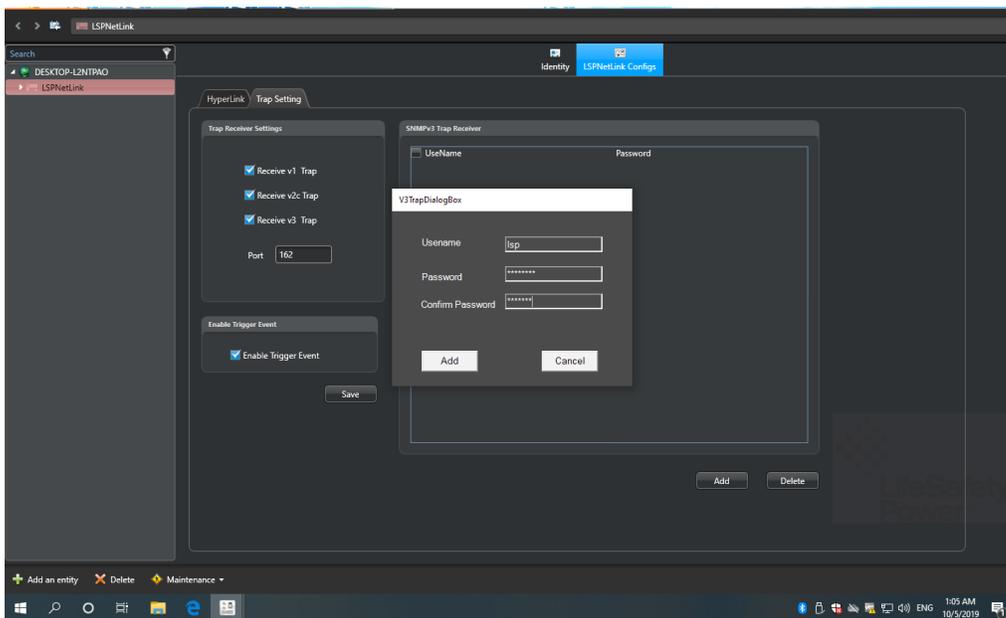


Figure 26

- Open the NetLink's reporting page and select the events to reported. (Figure 27).

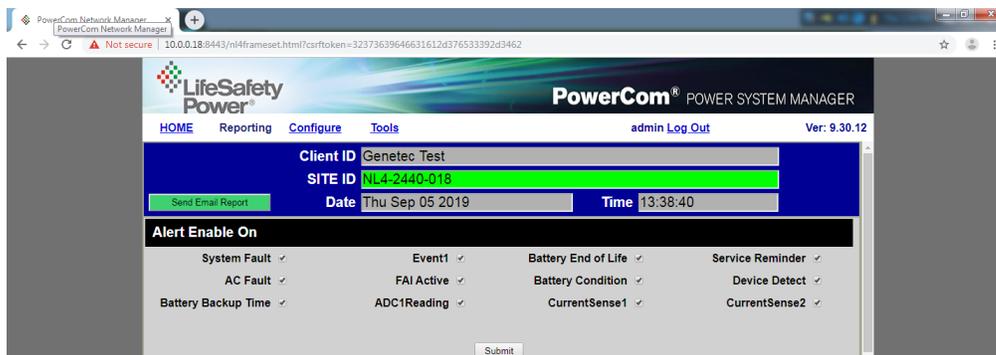


Figure 27



# Section 3 – Adding NetLink modules to Security Center (continued)

12. Open the NetLink's Configure page. In the SNMP Settings section, enter the SNMP Trap Receiver IP address and port number and select the trap version. The receiver IP is the IP address of the PC which is running Security Center. Ensure any firewall will allow the SNMP trap connections. Note that the SNMP traps use the UDP protocol. (Figure 28).



Figure 28

13. From the Security Desk home page, open the Monitoring task and select LSPNetLink to monitor. SNMP traps will be received automatically and events will be generated in Security Center if "Enable Trigger Event" is selected. Click "Event Test" to generate a test event. (Figure 29).



Figure 29

## Section 3 – Adding NetLink modules to Security Center (continued)

14. To allow LSPNetLinkAlert events to automatically trigger an action, go to the Area View page in the config tool, select the LSPNetLink Entity, and click the Identity Tab. Select "Actions" and click "+" to create an Event-to-Action as shown. (Figure 30).

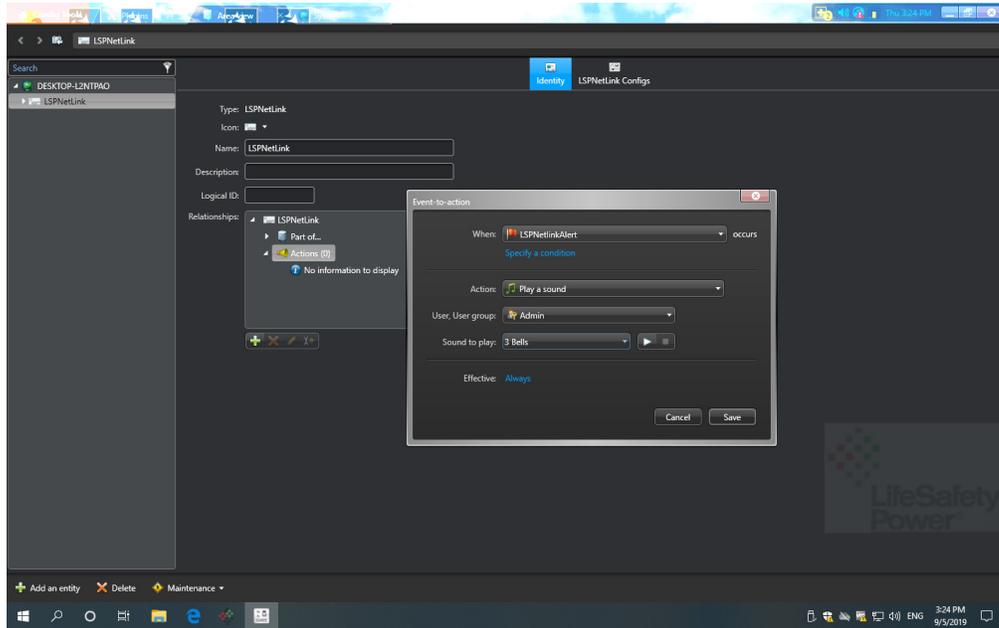


Figure 30



## Section 3 – Adding NetLink modules to Security Center (continued)

### 3.5 Configure SQL

After configuring the SNMP traps, the SQL settings should be configured.

15. Open the "LSPNetLink Configs" page, select the "SQL Settings" tab, and enter the SQL server's IP address, the save path for the SQL server machine (or select another folder), and enter a name for the database. If the SQL server is on the local host, login with Windows Authentication, otherwise you must choose an SQL server account to log into by entering a user name and password. Click the save button to save the SQL settings. (Figure 31)

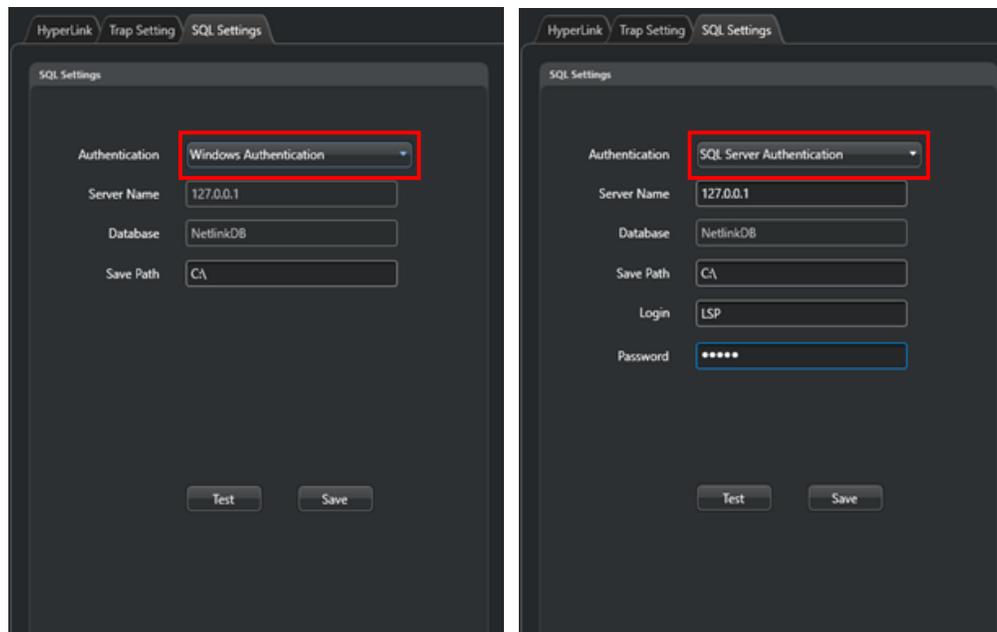


Figure 31

## Section 3 – Adding NetLink modules to Security Center (continued)

16. Configure the SQL Server to support remote access. (Figure 32)

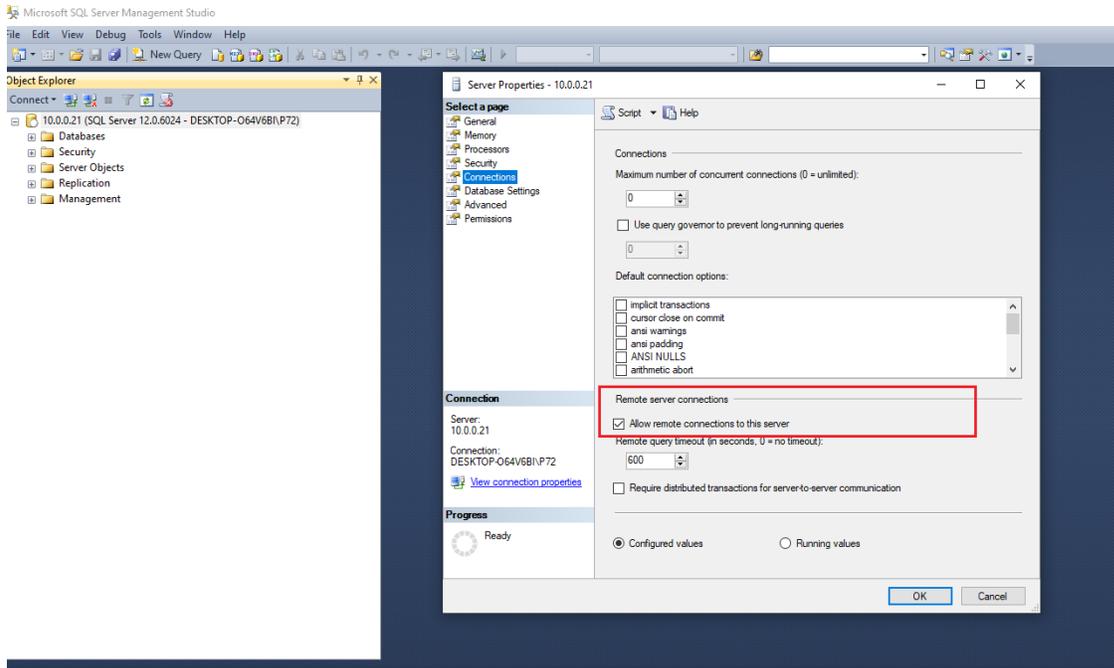


Figure 32

17. Add the SQL account to the sysadmin group. (Figure 33)

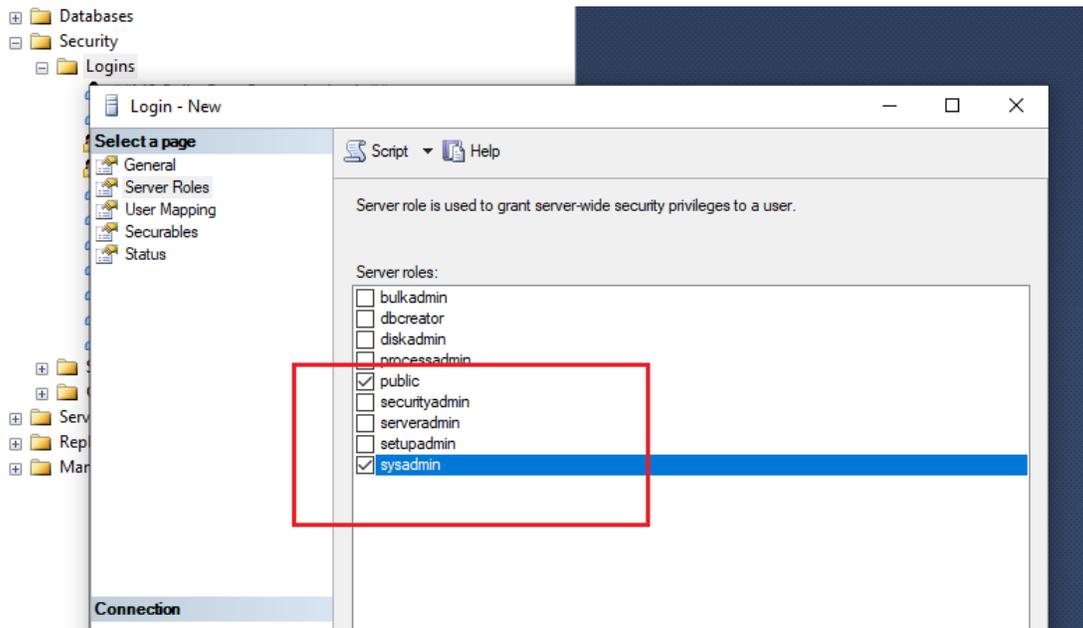


Figure 33



# Section 3 – Adding NetLink modules to Security Center (continued)

18. Enable TCP/IP and add port 1433 to all IPs. (Figure 34)

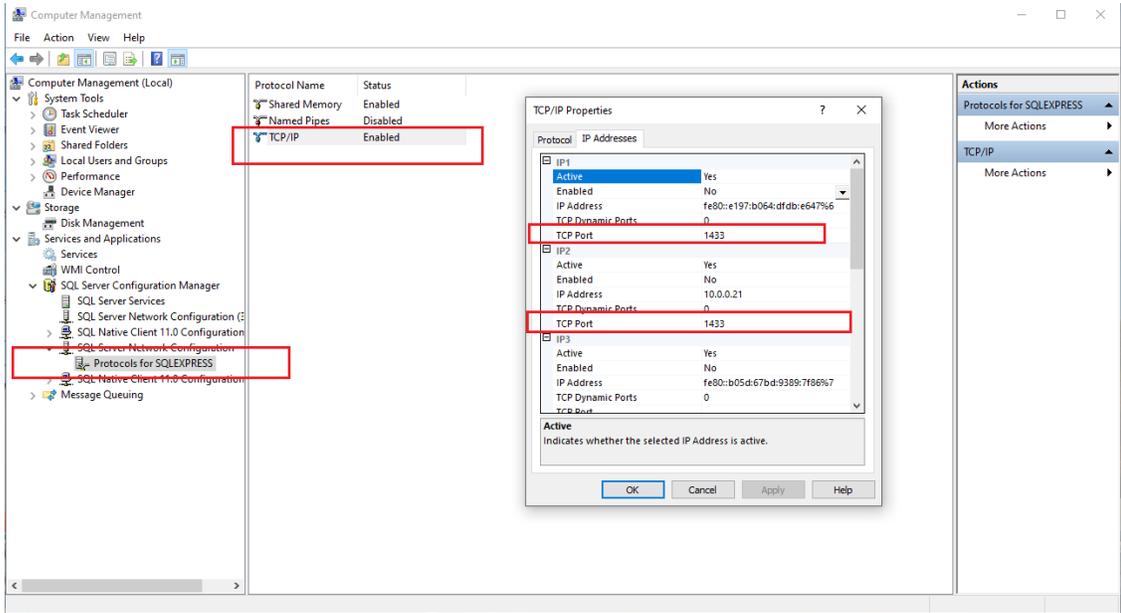


Figure 34

19. Configure an inbound rule on the firewall to allow TCP port 1433. (Figures 35 and 36)

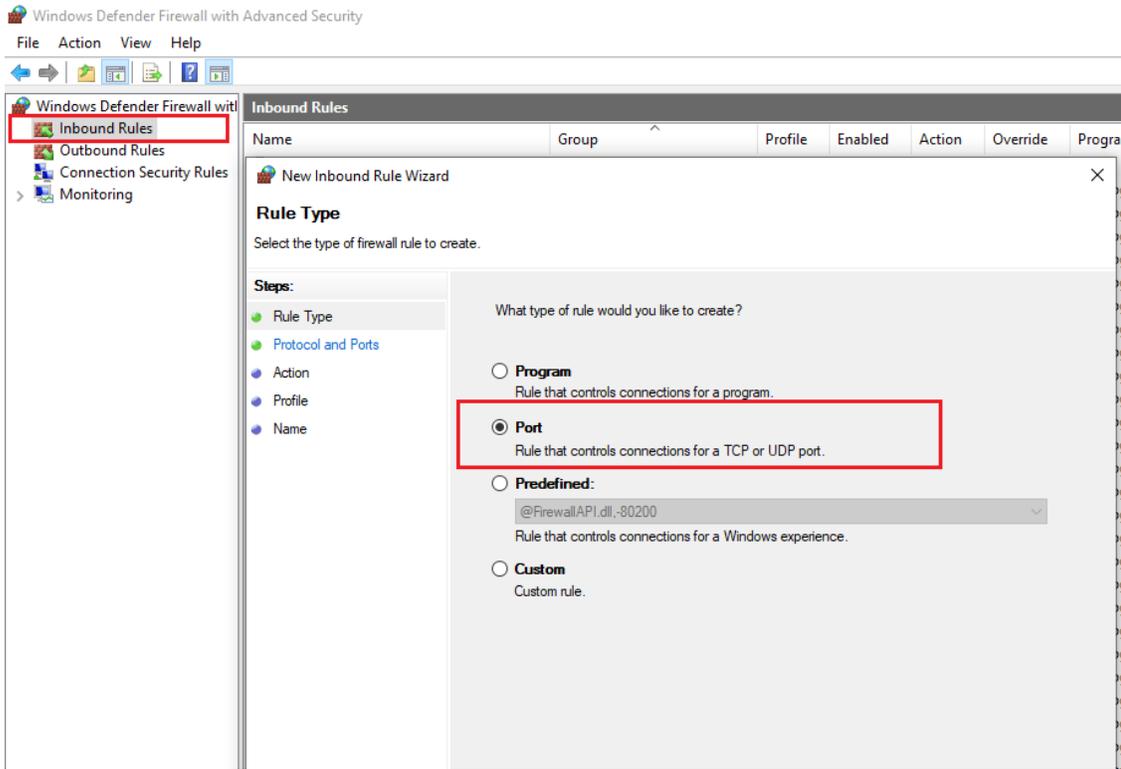


Figure 35

## Section 3 – Adding NetLink modules to Security Center (continued)

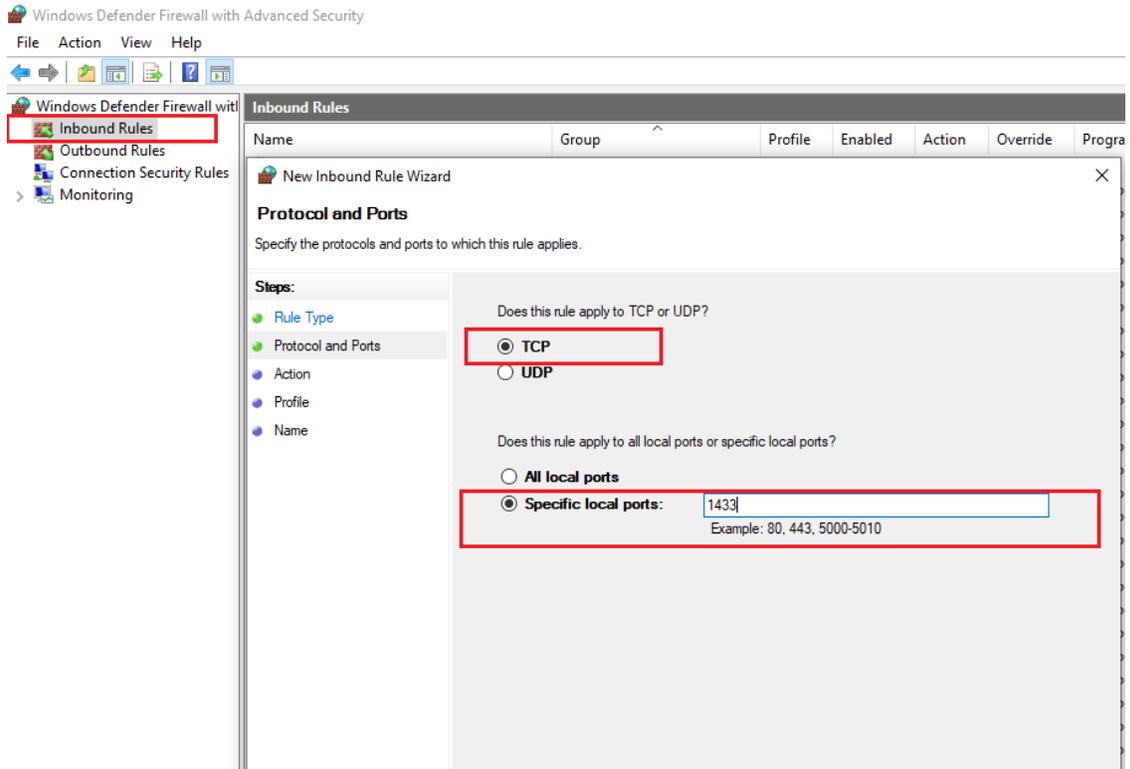


Figure 36



# Section 4 – Using the Integration

## 4.1 System Status

Once configured, the power supply system status and data may be read through Security Center.

1. Before receiving SNMP data for the first time, only the NetLink tab will be shown with an empty parameter table. (Figure 37)

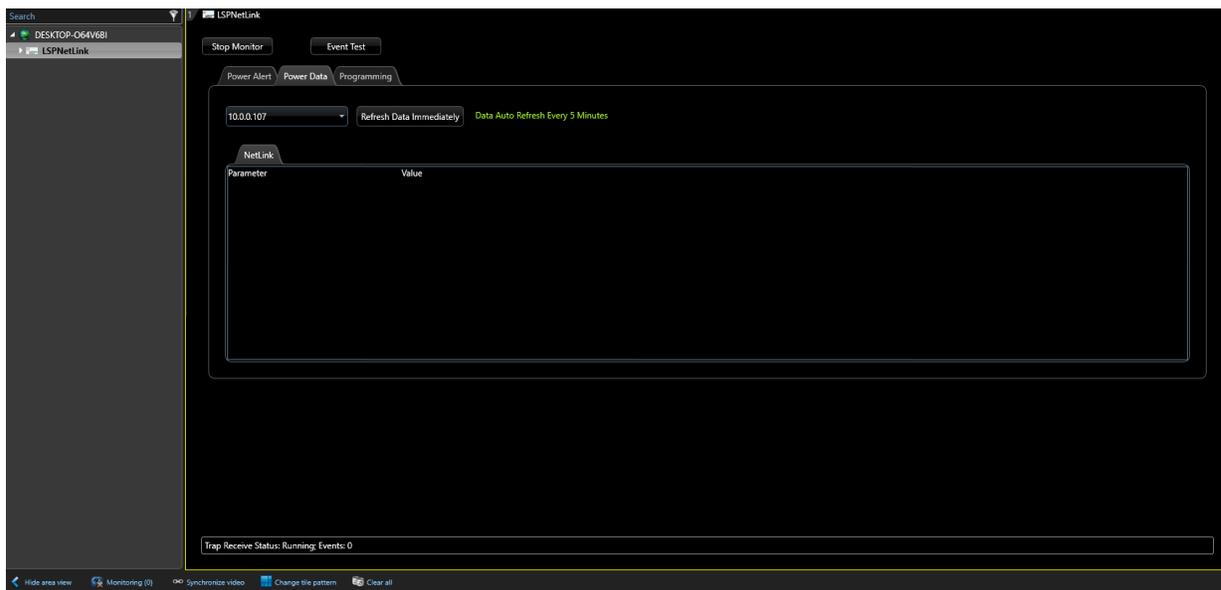


Figure 37

2. Once data is received, tabs for any connected power supply and M8 boards will display. (Figures 38, 39, and 40)

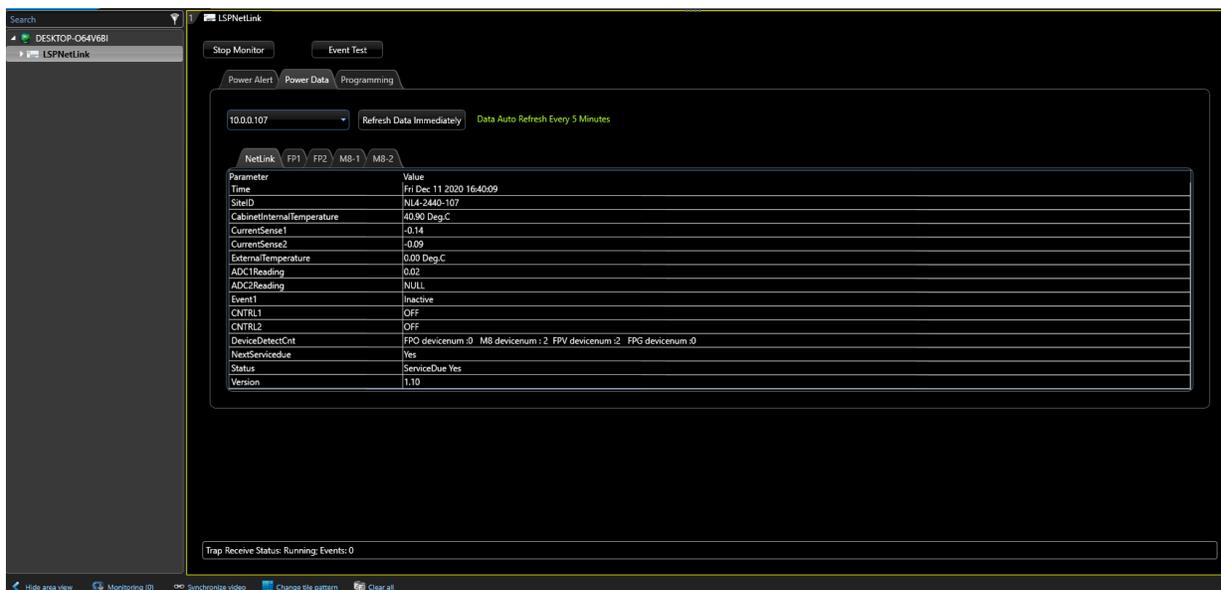


Figure 38

## Section 4 – Using the Integration (continued)



Figure 39



Figure 40



# Section 4 – Using the Integration (continued)

3. To change the available parameters, navigate to the Programming tab, select the tab for the board to configure, and enter the appropriate value(s). (Figure 41)

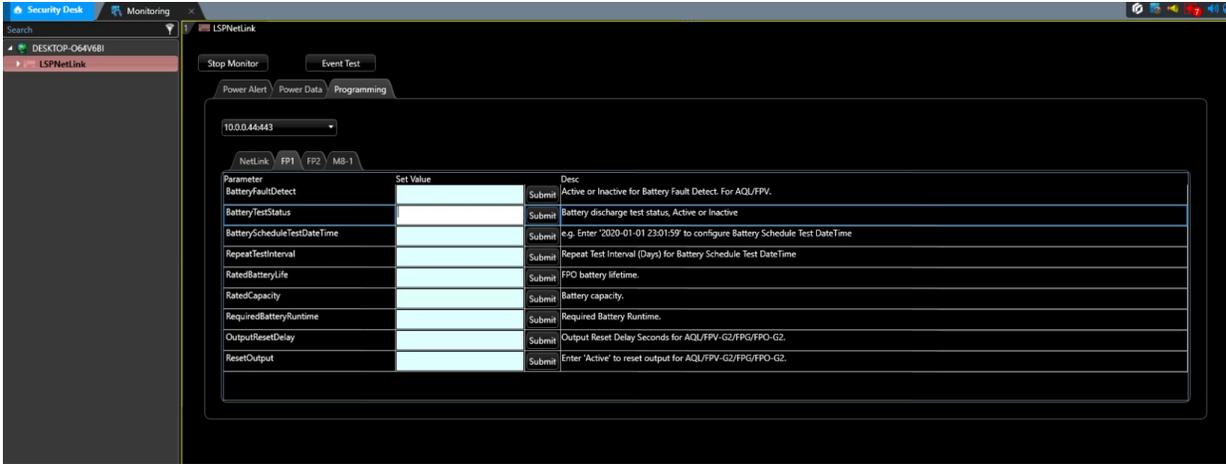


Figure 41

Available parameters and their values are:

- Battery Fault Detect (Active or Inactive) - Enables or disables battery presence detection. This setting is for AQL or FPV power supplies only.
- Battery Test Status (Testing or Inactive) - Starts an automated battery test.
- Battery Schedule Test Date Time - Enter a date and time in the format of "2020-01-01 23:01:59" to schedule an automated battery test.
- Repeat Test Interval - Enter a number in Days to repeat the battery test. Example: Enter "365" to run the scheduled battery test once per year.
- Rated Battery Life - Enter a number in Years for battery replacement. Example: Enter "4" to set the battery replacement time to four years.
- Rated Capacity - Enter a number in Amp Hours to indicate the installed battery size. Example: Enter "12" to indicate a 12 amp-hour battery set.
- Required Battery Runtime - Enter a number in Hours to indicate the minimum required standby time for the system. Example: Enter "4" to indicate four hours of required standby.
- Output Reset Delay - Enter a number in Seconds to indicate the length of the power cycle of the main output for power supply with a main output reset feature.
- Reset Output (Active) - Setting this field to Active will begin the main output reset.

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