Fusion RV® Demo Program:
Enterprise Management Platform

User Guide

Crestron Electronics, Inc.

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Fusion RV® Demo Program: Enterprise Management Platform

Overview

The Crestron® Fusion® demo program is intended to provide a fast and simple way to connect control systems to Crestron Fusion and demonstrate the typical features of Fusion RV®.

The demo program is downloaded from the Crestron website, loaded on to a processor, and discovered using Fusion RV®. Use the XPanel interface and Fusion RV to run the demo program.

This document is written for Crestron Fusion version 10 and provides instructions on how to set up and use the Crestron Fusion demo program. This document also provides instructions on how to add a room and an asset using Fusion RV running on a server.

Prerequisites

The following should be available before installing the Crestron Fusion demo program:

- A Windows® based PC with the current version of Crestron Toolbox™ installed
- A Crestron Fusion or Crestron Fusion Cloud Edition server and the URL address for the Crestron Fusion web interface
- A login ID and password for the Crestron website (required to download the Crestron Fusion demo program)
- A network-connected MC3 located on the same network as the Crestron Fusion server, or in the case of Crestron Fusion Cloud Edition, on a network with Internet access

NOTE: Be sure to make note of the IP address or hostname of the MC3 before proceeding with the installation.

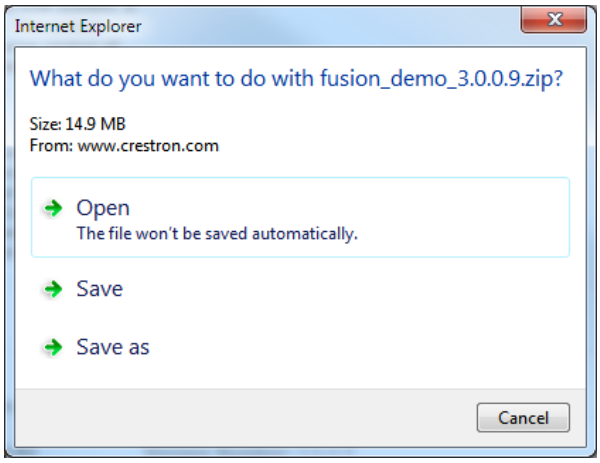
This document is intended for people who are familiar with compiling SIMPL programs and loading compiled programs to control systems.

Downloading the Demo Program

This section explains how to download the demo program from the Crestron website.

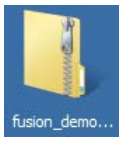
1. From the Crestron website, download the demo program to your computer's desktop. Click the following link to access the Fusion_Demo_Program http://www.crestron.com/resources/product_and_programming_resources/example_programs
2. Click the **Example Program** link, and then click **Save as** to save the fusion_demo_3.0.0.9.zip file to the desktop.

   Saving the Crestron Fusion Zip File

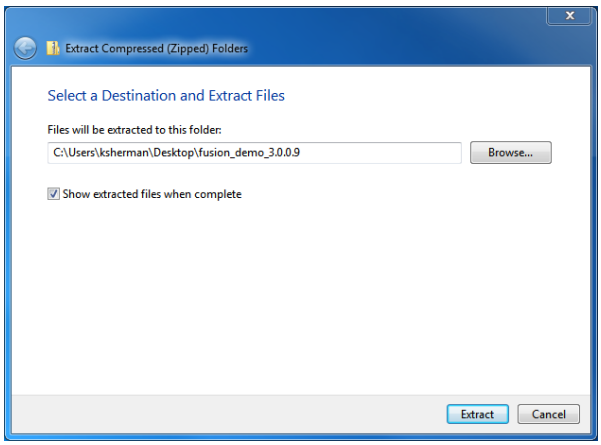
3. From the desktop, right-click the **fusion_demo_3.0.0.9.zip** icon and select **Extract All**.

   Crestron Fusion Demo Program Icon

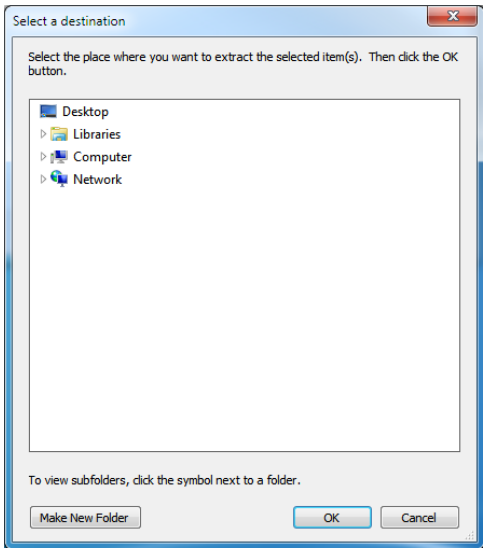
   The **Extract Compressed (Zipped) Folders** window opens.

   Extract Compressed (Zipped) Folders Window

4. Click the **Extract** button to extract the files to the desktop. The **Select a Destination** window opens.

   Select a Destination Window



5. Save the extracted files to the desktop, and then click **OK**.

   Refer to the next section for instructions on how to load the demo program on to a processor.

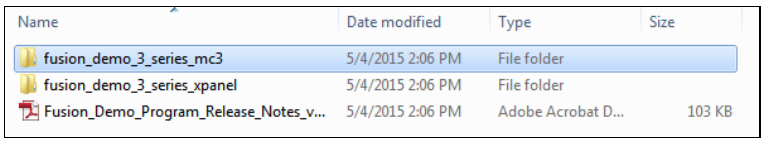
Loading the Demo Program on to a Processor

This section describes how to load the demo program on to an MC3 processor.

NOTE: This document only covers how to load the demo program on to an MC3 processor. If you have a different processor, replace the processor in the program and recompile. For further information, refer to the SIMPL online help or contact Crestron True Blue Support for further assistance at 1-888-273-7876.

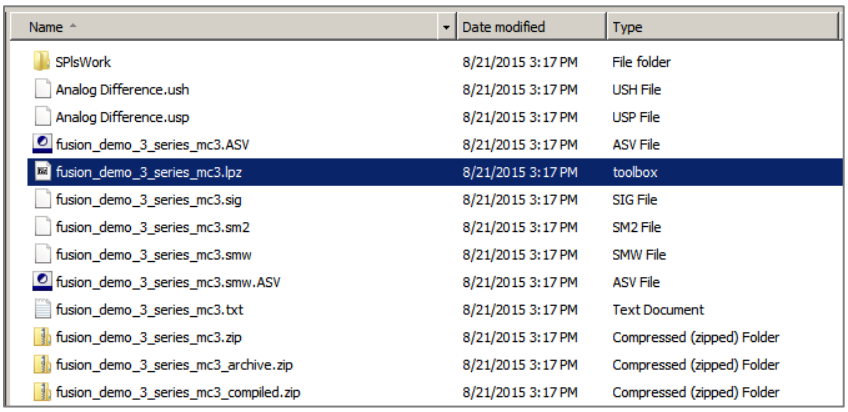
1. From Windows Explorer, double-click the **fusion_demo_3_series_mc3** folder.

   Crestron Fusion Demo Extracted Files



2. From the list of files, locate the **fusion_demo_3_series_mc3.lpz** file.

LPZ File



3. Use Crestron Toolbox to upload the .lpz file to the processor.

NOTE: This document assumes that no other programs are running on the processor.

Refer to the next section for instructions on how to discover the demo program room.

Discovering the Demo Room

This section describes how to discover the demo program room using the symbol discover feature in Fusion RV.

NOTE: In the Crestron Fusion Cloud Edition, it is not necessary to discover the demo room. The demo room is automatically discovered into the Root node. If using the Crestron Fusion Cloud Edition, skip this section and proceed to the "Editing the Room and Setting the Calendar Type" section.

1. Enter the following URL into a browser: http://<*Server Name*>/Fusion/webclient. The **Crestron Fusion Login** window opens.

Crestron Fusion Login Window

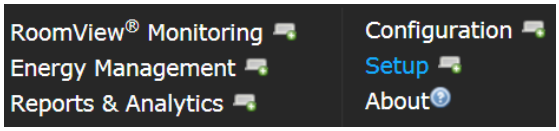
2. In the **Username** field, enter **admin**.
3. In the **Password** field, enter **admin**, and then click **Login**. The Crestron Fusion web interface opens.

4. From the **Crestron Fusion Header** tab, click **Open**.

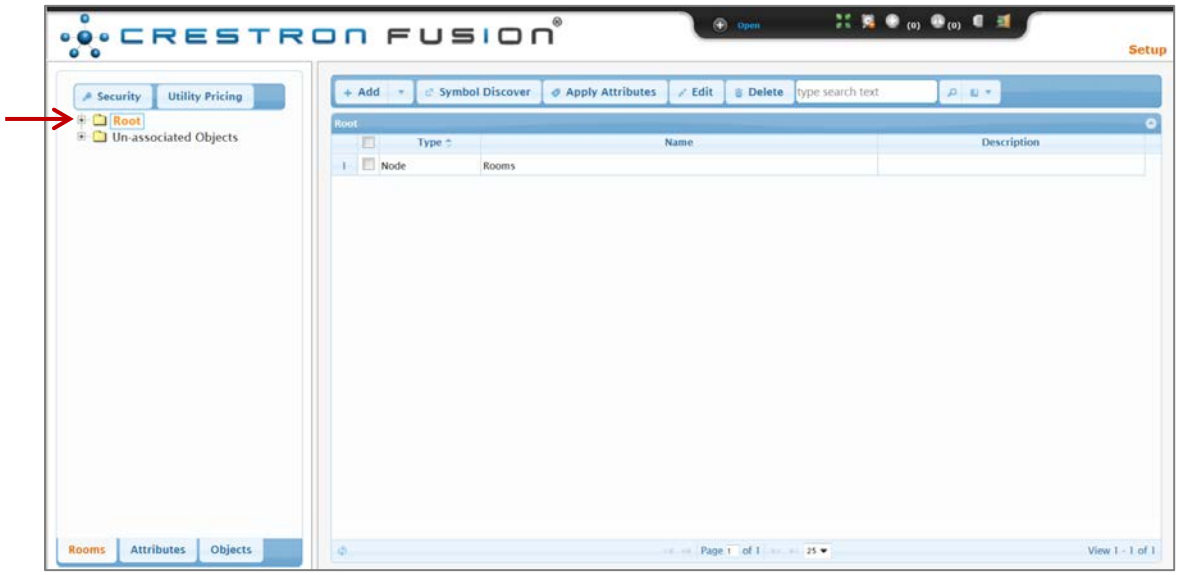
Crestron Fusion Header Tab

5. From the pull-down tab, click **Setup** to open the **Setup** window.

Pull-Down Tab

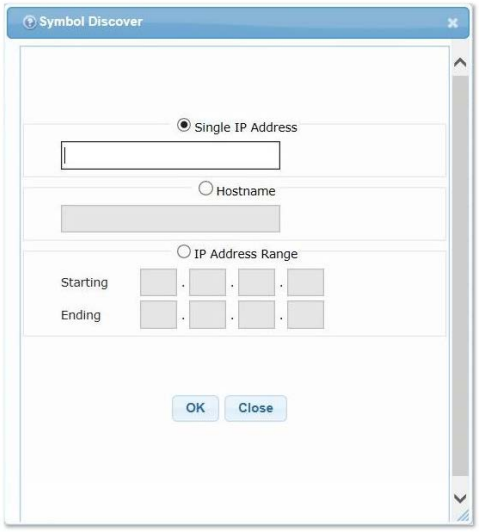


Setup Window



6. Click the **+** symbol next to the **Root** node to expand the tree. Click the **Rooms** node to expand the tree again.
7. Click the **Symbol Discover** button to open the **Symbol Discover** window.

Symbol Discover Window



8. Click the **Single IP Address** radio button, and enter the IP address of the processor. You can also click the **Hostname** radio button and enter a hostname.

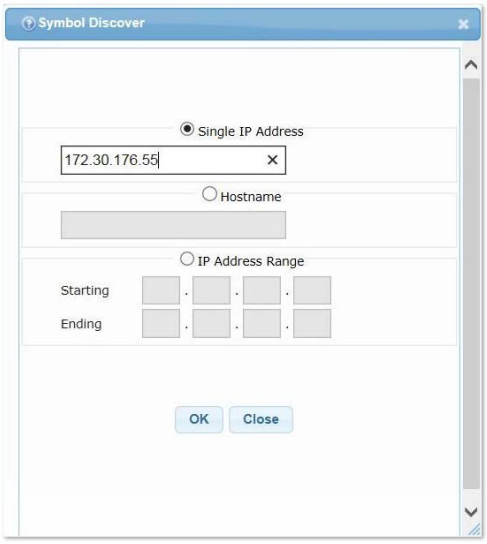
NOTE: Do not enter both a hostname and IP address.

9. Click **OK** to run the discovery. The **Confirm Auto-discover** message box opens.

Confirm Auto-Discover Message Box

10. Read the information carefully, and then click **Yes** to start the discovery process. When the processor is discovered, "**Success**" is displayed in the **Result** column of the **Symbol Discover** window.

Symbol Discover Results



11. Click **Close**. The demo program room is now created in Fusion RV.
12. From the **RoomView Monitoring** window, click the **Rooms** tab to see if the room is online. If the room is online, a green-circled check mark is displayed in the **Online Status** column.

RoomView Monitoring Window

Note: After discovery, you may have to wait several minutes until the room is online.

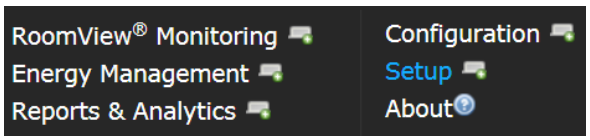
Editing the Room and Setting the Calendar Type

1. From the **Crestron Fusion Header** tab, click **Open**.

Crestron Fusion Header Tab

2. From the pull-down tab, click **Setup** to open the **Setup** window.

Pull-Down Tab

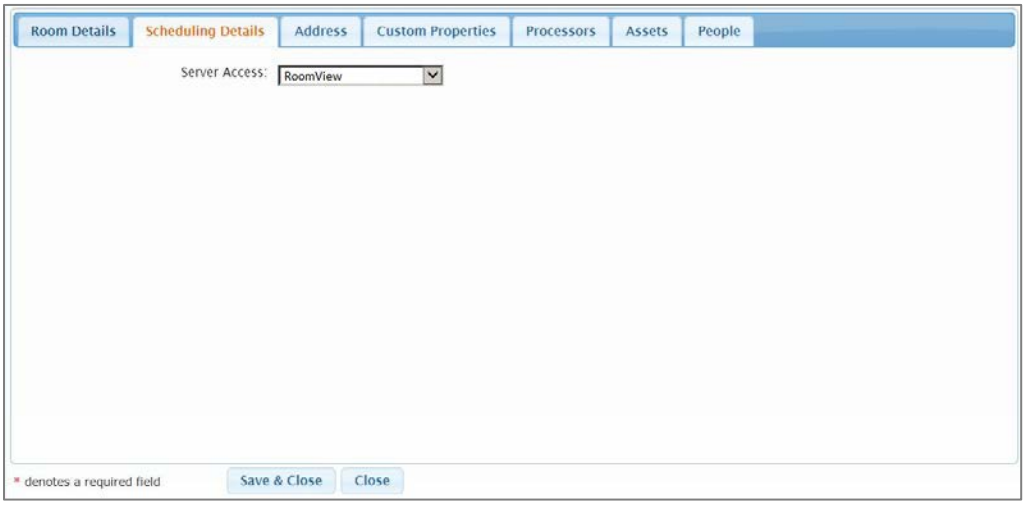


3. Locate and double-click the **Fusion Demo Room.**

Fusion Demo Room in the Setup Window

The **Edit Room** window opens.

Edit Room Window



4. Click the **Scheduling Details** tab. From **Server Access**, verify that **RoomView** is selected as the calendar type.
5. Click **Save & Close**.

   Refer to the next section for instructions on how to start using the XPanel interface and Fusion RV to run the demo program.

Using the Fusion RV Demo

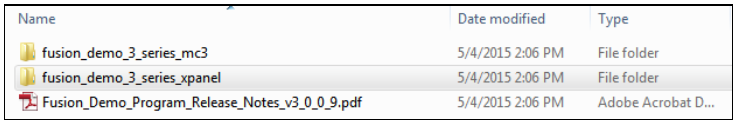
Use the XPanel interface (included with the demo) to interact and experiment with the demo features. Use Fusion RV to see how each feature can be an integral part of managing an in-room experience.

This section provides instructions on how to use XPanel and Fusion RV to set the calendar type, add a calendar entry, adjust attributes, use logging, create custom joins, and use the help interface.

NOTE: There are other features available in the demo program that are not documented in this guide.

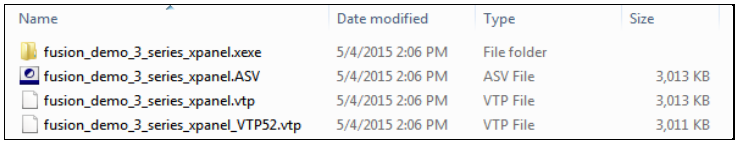
1. From Windows Explorer, double-click the **fusion_demo_3_series_xpanel** folder.

   Crestron Fusion Demo Extracted Files



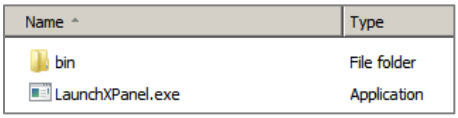
2. From the list of files, double-click the **fusion_demo_3_series_xpanel.xexe** folder.

   XEXE Folder



3. Double-click the **LaunchXPanel** application file. The Crestron Fusion Demo program opens in XPanel.

   LaunchXPanel Application



   Crestron Fusion Demo Window: Not Connected

4. From the menubar, click **Options** > **Settings** to open the **Gateway Settings** window.

   Gateway Setting Window

5. Enter the **IP Address** of the processor, and then click **OK**.

   The Crestron Fusion Demo window displays a **Crestron Fusion Connected** message to indicate that Crestron Fusion is connected to the demo program.

6. From XPanel, click the **Room Details** tab to open the **Room Details** window.

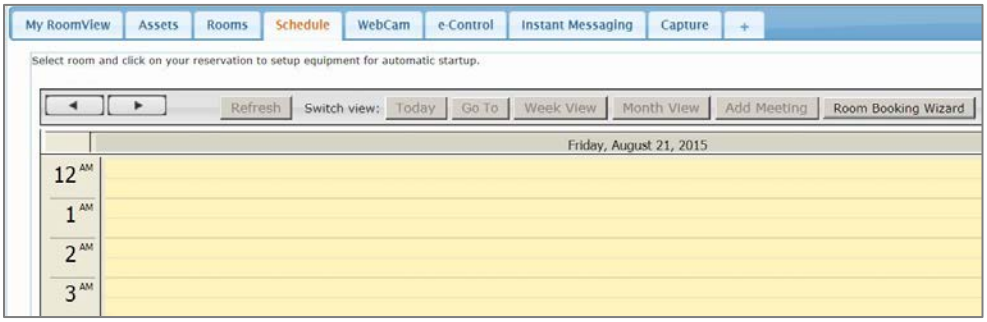
Crestron Fusion Demo Verification

7. Click the **Refresh Data** button to confirm that the room name displays **Fusion Demo Room**.

Adding a Calendar Entry

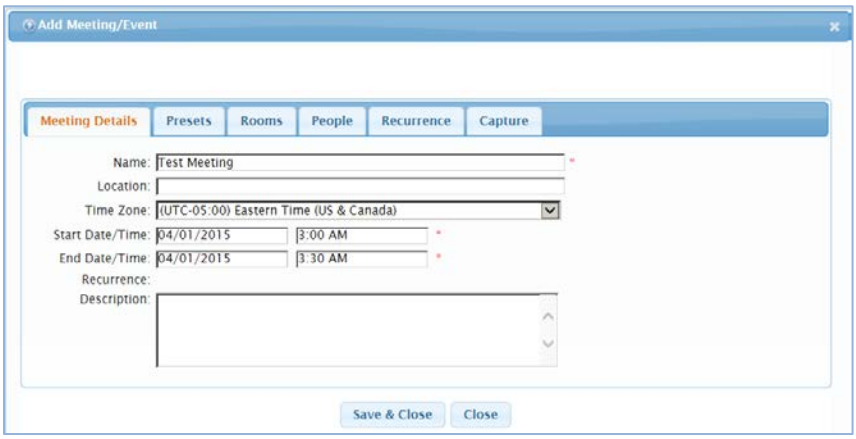
1. From the Crestron Fusion **RoomView Monitoring** window, click the **Fusion Demo Room**.
2. Click the **Schedule** tab to open the **Schedule** window.

Schedule Window



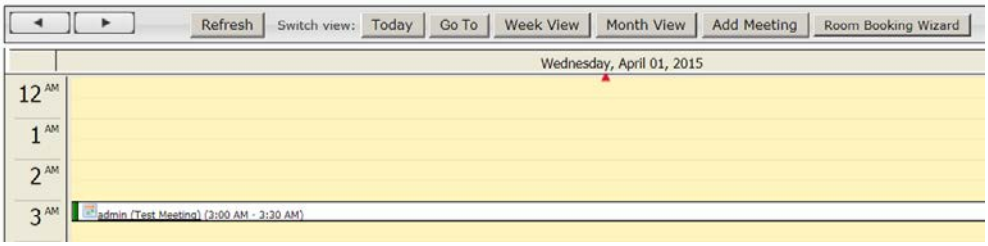
3. Pick a meeting time that is closest to the current time of day. The **Add Meeting/Event** window opens.

Add Meeting/Event Window



4. Enter a name for the meeting.
5. Click **Save & Close**. The meeting information displays in the **Schedule** window.

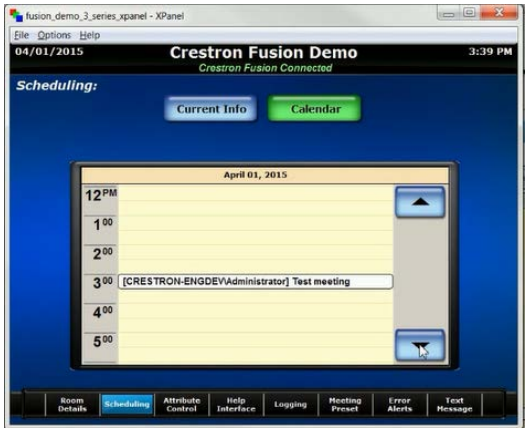
Schedule Window



6. From XPanel, click the **Scheduling** tab.
7. Click the **Calendar** button to verify that the meeting is on the schedule.

NOTE: The meeting information may take up to a minute to update in XPanel.

Scheduling Window



8. Click the **Current Info** button to view meeting information.

Current Meeting Information

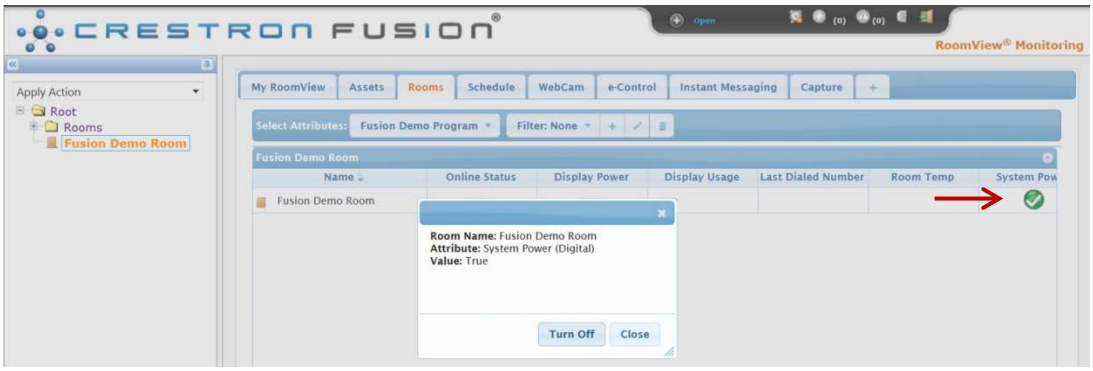
Adjusting Attributes

1. From XPanel, click the **Attribute Control** tab.
2. Click the **Reserved** button, and then click the **System Power** button to turn the system power on and off.

   Attribute Control: System Power Button

3. From Crestron Fusion, under **System Power**, click the check mark to turn the system power on or off.

Adjusting System Power



4. From XPanel, click the **Display Power** button to turn the display on and off.
5. Click the up and down arrows to set the values for display usage. View the XPanel screen to see how the display values have changed.

Display Usage before Adjustment

Display Usage after Adjustment

6. From Crestron Fusion, view the display usage changes. Click the check mark in the **Display Power** field to turn the display power on or off.

   Display Usage Status

   View the XPanel screen to see how the display power status has changed.

Creating Custom Attribute Views

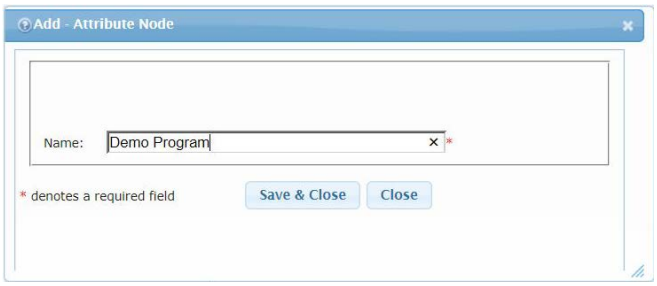
Each custom attribute that is defined in the demo program should also appear in Crestron Fusion.

1. From the Crestron Fusion Setup web interface, click **Attributes**.

   Setup Window - Attributes

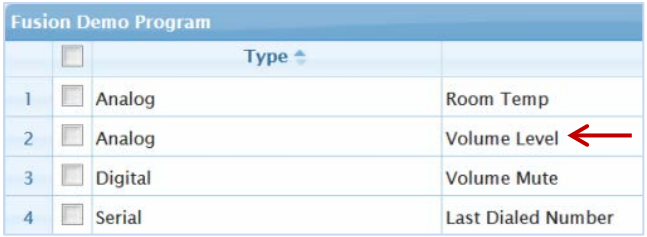
2. To add a container for a collection of attributes, click **Add** > **Add Node** to open the **Add - Attribute Node** window.

   Add - Attribute Node Window

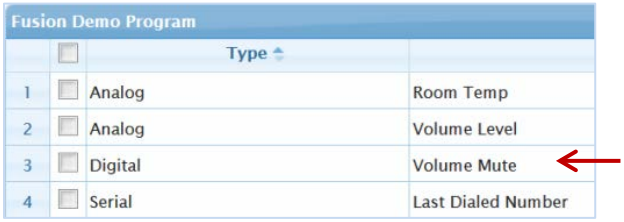
3. Enter the name "**Demo Program**" (*or a name of your choosing*), and then click the **Save & Close** button.
4. From Crestron Fusion, click and drag the **Volume Level** attribute (Analog type) into the node created above.

   Analog: Volume Level

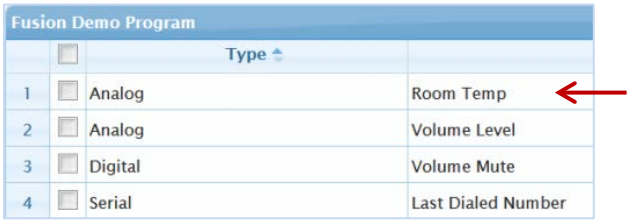
5. Click and drag the **Volume Mute** attribute (Digital type) into the node created above.

Digital: Volume Mute



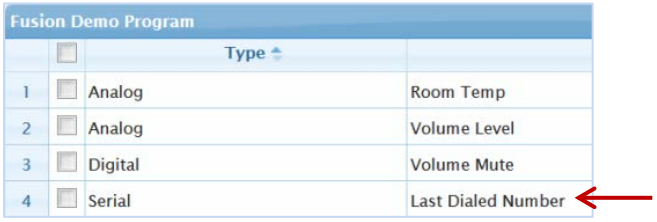
6. Click and drag the **Room Temp** attribute (Analog type) into the node created above.

Analog: Room Temp



7. Click and drag the **Last Dialed Number** attribute (Serial type) into the node created above.

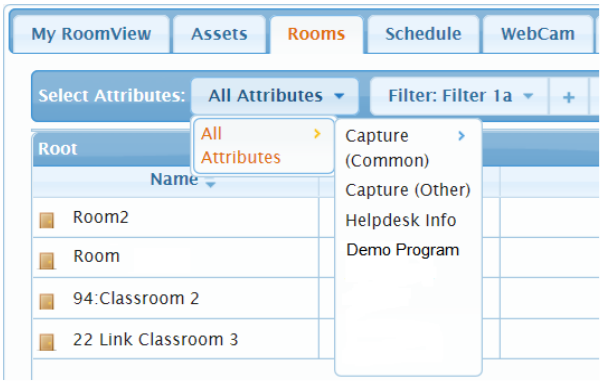
Serial: Last Dialed Number



You have now created a view for the attributes used in the demo program. In the **Demo Program** node, the four attributes (Room Temp, Volume Level, Volume Mute, and Last Dialed Number) that were just created are displayed.

8. Open the **Roomview Monitoring** window, and click the **Rooms** tab.

Selecting a Custom Attribute

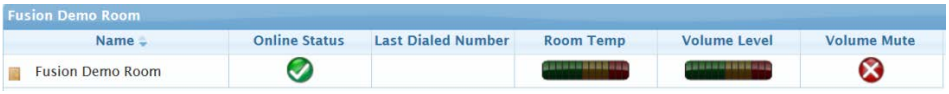


9. Click **All Attributes** > **Demo Program**.
10. In XPanel, click the **Custom** button.

Attribute Control Window

The custom attributes are displayed in the Fusion Demo Room.

Fusion Demo Room Custom Attribute



NOTE: If attribute values are changed in XPanel, the changes are reflected in the Crestron Fusion web interface. The values are refreshed every 15 seconds by default.

Using the Logging Feature

The demo program provides three examples of logging: custom attributes, device usage, and call statistics. Follow the steps below to try out the examples.

NOTE: For more information on logging, refer to the Crestron Fusion online help.

Custom

1. From XPanel, click the **Logging** tab to open the **Logging** window.
2. Click the **Custom** button.

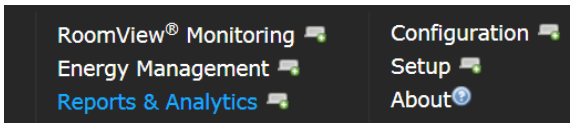
Logging Window – Custom Selected

3. Press any of the **Select** buttons to send log text attribute data to Crestron Fusion.
4. To review log data, from the **Crestron Fusion Header** tab, click **Open**.

Crestron Fusion Header Tab

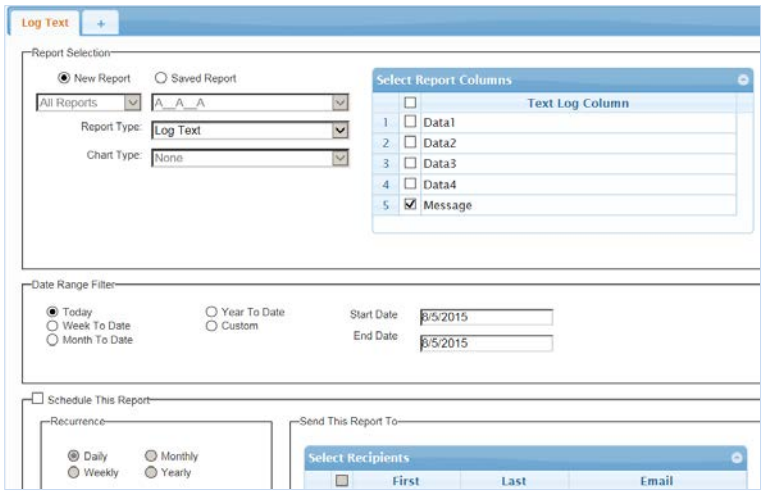
5. From the pull-down tab, click **Reports & Analytics**.

Pull-Down Tab



The **Reports & Analytics** window opens. From this window, access the Log Text Report.

Log Text Report Window



NOTE: To run reports on custom attributes, be sure logging is enabled for those attributes.

Device Usage

1. From XPanel, click the **Logging** tab to open the **Logging** window.
2. Click the **Device Usage** button.

   Logging Window - Device Usage

3. From the **Device Usage** window, connected devices can be started and stopped, and device usage reports can be run.

   NOTE: You must wait for at least one minute to pass for the session to be recorded.

Call Statistics

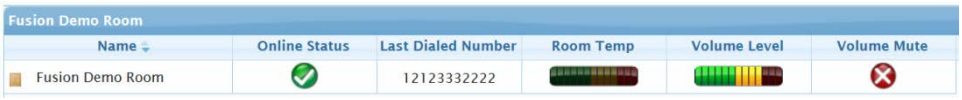
1. From XPanel, click the **Logging** tab to open the **Logging** window.
2. Click the **Call Statistics** button.

   Logging Window - Call Statistics

3. From the **Call Statistics** window, enter a phone number, and click the **Connect** button.
4. To save the phone number, click the **Disconnect** button.

View the saved information in the Crestron Fusion web interface.

Last Dialed Number



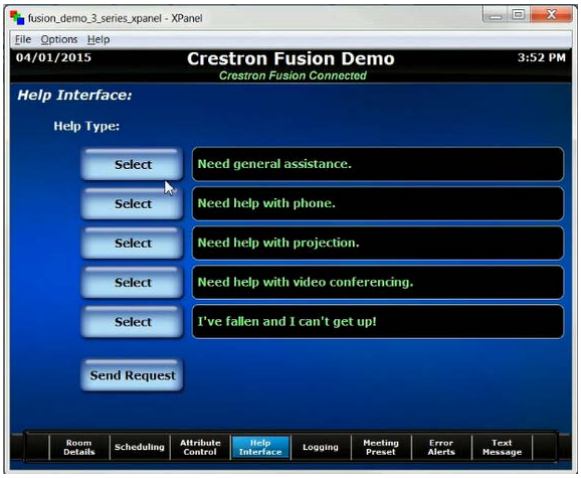
NOTE: You must wait for at least one minute to pass for the session to be recorded.

Using the Help Interface

The help interface allows the user to send a help request to Crestron Fusion.

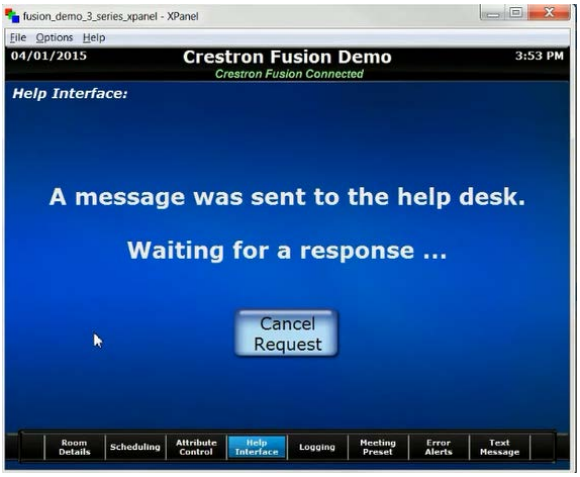
1. From XPanel, click the **Help Interface** button to open the **Help Interface** window.

   Help Interface Window



2. Click the **Select** button next to the type of help needed.
3. Click the **Send Request** button to send the help request. A message displays stating the message was sent to the help desk.

   Message Sent to Help Desk



After the help request is sent, the information is displayed in the **Help Request** section of the **My RoomView** window in the Crestron Fusion Monitoring web interface.

Help Request View

The **Help Request** view displays the list of rooms that contain pending help requests. The severity, date, room, message, organizer, and username for each help request received are displayed. Click the request to respond to a particular room.

On the left side of the screen, a red-circled plus sign is displayed to show there is an active help request.

Help Request Icon - Active Status

4. From XPanel, click the **Cancel Request** button to cancel the help request.
5. From Crestron Fusion, the help request and the icon are removed from the **My RoomView** window.

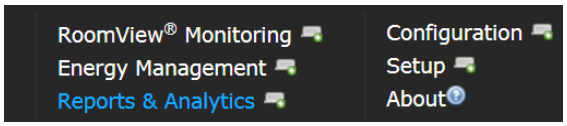
   Standard Icon without an Active Help Request

6. To view a report of historical help requests, click **Open** from the **Crestron Fusion Header** tab.

   Crestron Fusion Header Tab

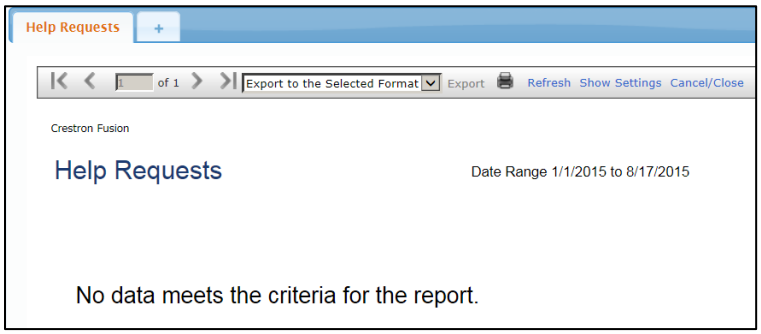
7. From the pull-down tab, click **Reports & Analytics**.

   Pull-Down Tab



   The **Reports & Analytics** window opens. From this window, generate a Help Request Report.

Help Request Report



NOTE: For more information on the help request feature, refer to the Crestron Fusion online help.

Additional Features

XPanel can also be used to demonstrate additional Crestron Fusion features such as meeting presets, error alerts, and text messaging.

Meeting Preset

Meeting presets identify the type of meeting being booked, such as a presentation or audio call. Meeting information such as passwords, phone numbers, and document links can be provided to attendees.

Error Alerts

Error alerts identify rooms that are currently experiencing an in-room error. The name of the room, severity (by icon), and the associated message with a time stamp are displayed.

Text Message

Text messaging allows the user to send a text message to the Fusion RV administrator. The message(s) is displayed in Crestron Fusion in the **Instant Messaging** tab accessed from the **RoomView Monitoring** window.

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