

Crestron RoomView[®] Server Edition 7.2
Remote Asset Management Software

Installation Guide



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Remote Asset Management Software: RoomView® Server Edition Version 7.2

Introduction

This document is provided as an aid to the installation of RoomView® Server Edition Version 7.2, Remote Asset Management Software. For information regarding overall “best practices” for RoomView Server Edition 7.2, refer to the latest version of the RoomView Server Edition Version 7.2, Best Practices Guide (Doc. 7018) which is available from the website (www.crestron.com/manuals).

Prerequisites

The software or software components described in the following sections must be installed and/or available to the system where RoomView services are to be installed. RoomView, or parts of RoomView, must have access to these applications or components either directly or over a network. Be sure that all of the latest updates for these applications are also installed.

Prerequisites for a successful install are broken down into Operating System Requirements, Operating System Component Requirements, Lotus Notes Domino Requirements, Microsoft Exchange Requirements, E-mail Alert Requirements, Domain Service Account Requirements and Windows Active Directory Integration (Windows Authentication) Requirements.

NOTE: This guide assumes that the installer possesses a thorough knowledge of Windows Server 2003, Windows Server 2008 or Windows Server 2008 R2 and that the chosen Windows Server is correctly installed.

Operating System Requirements

RoomView Server Edition supports the following operating systems:

- Microsoft Windows Server 2003 (32 or 64-bit version)
- Microsoft Windows Server 2008 (32 or 64-bit version)
- Microsoft Windows Server 2008 R2 (64-bit version)

Operating System Component Requirements

These applications must be present on each server where RoomView Server Edition components are installed:

Windows Server 2003

- Microsoft Internet Information Server (IIS) 6.0
- Microsoft .NET Runtime Environment 3.5 Service Pack 1
- Microsoft ASP.NET 2.0
- ASP.NET AJAX Extensions 1.0

Windows Server 2008 (All Versions)

CAUTION: It is extremely important that the correct roles be installed on the Server 2008 machine *before* RoomView is installed. Failure to do so will result in a failed RoomView installation.

- Application Server Role
- Active Directory Lightweight Services (required for Lookup Room Alias feature)
- The Web Server (IIS) Role with the Web Server Role Service must be installed and it must include:
 1. Common HTTP Features including Static Content, Default Document, Directory Browsing and HTTP Errors
 2. Application Development including ASP.NET, .NET Extensibility, ISAPI Extensions and ISAPI Filters
 3. Health and Diagnostics including HTTP Logging and Request Monitor
 4. Security with Request Filtering
 5. Performance with Static Content Compression
 6. Management Tools including IIS Management Console, IIS 6 Management Compatibility, IIS 6 Metabase Compatibility, IIS 6 WMI Compatibility, IIS 6 Scripting Tools and IIS 6 Management Console
- The following Features must be installed:
 1. Remote Server Administration Tools including Role Administration Tools and Web Server (IIS) Tools
 2. Windows Process Activation Service including Process Model, .NET Environment and Configuration APIs
- Microsoft Internet Information Server (IIS) 7.0 (on machine(s) with web or security components installed)

NOTE: IIS 6 Management Compatibility Pack with all of its sub-options must be installed.

- Microsoft .NET Runtime Environment 3.5, Service Pack 1 for Server 2008 or .NET Runtime Environment 3.5.1 for Server 2008 R2.
- Microsoft ASP.NET 3.5.

NOTE: AJAX Extensions are now installed as part of ASP.NET 3.5.

Additional Requirements

- Microsoft SQL Server 2005 or 2008 (Standard or Enterprise versions only) available to RoomView over the network.
- Crestron Toolbox™ or Toolbox SE, version 1.12.133 or higher which is available from the Crestron website (www.crestron.com/software).

NOTE: Crestron Toolbox is required to support symbol auto-discovery and direct device assets.

One of these web browsers must be installed on workstations where the web client will be used:

- Microsoft Internet Explorer 7.0 or later
- Firefox 1.5 or later
- Safari 2.0.3 or later

Lotus Notes Domino Requirements

For installations integrating Lotus Notes Domino, versions 7.0, 8.0 or 8.5, as the scheduling calendar type, the following must be present *in addition to* the prerequisites for Operating System Component Requirements:

NOTE: The Lotus Notes Client is limited to 32-bit operating systems.

NOTE: User information must be entered in the *Domino Settings* tab of the Schedule Service settings of the RoomView Configuration Manager.

- Lotus Notes Client—if *Lotus Notes Domino* will be used as the scheduling calendar type. It must be the same release that is installed in your location.

Microsoft Exchange Requirements

For installations integrating Microsoft Exchange, the following must be available to RoomView over a network in addition to the prerequisites described in Operating System Component Requirements:

NOTE: LDAP information must be added in the Advanced Configuration Options of the Configuration Manager so a user's name can be resolved from their e-mail address and a room name can be resolved from its alias.

- Microsoft Exchange Server 2003 with Web DAV or 2007 with Exchange Web Services.
- Access to Exchange mailboxes via room-level mailbox credentials applied when editing a room or by running the Schedule Service under a domain account that has rights to all of the room mailboxes.

E-mail Alert Requirements

For installations where e-mail alerts will be sent, the following must be available to RoomView over a network *in addition to* the prerequisites described in Operating System Component Requirements:

- SMTP Mail Server must be available over the network.

Domain Service Account Requirements

By default, RoomView is installed with local system accounts. However it is recommended that RoomView's application services be run from a Domain Service Account . If you are going to install RoomView with Domain Service Account, the following procedure must be performed *in addition to* the prerequisites described in Operating System Component Requirements:

- Create a Domain Service Account
- Configure the RoomView services to run using this account
- Add the account to SQL with “db_owner” and “public” permissions mapped to the RoomView catalog
- Register the account with the application from the command line by using the following commands:
 1. `cd C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727`
 2. `aspnet_regiis -ga DomainName\AccountName`
- Using IIS, configure the identity of the RoomView Application Pool to use the Domain Service Account

Windows Active Directory Integration (Windows Authentication) Requirements

For installations using Windows Authentication, Active Directory domain groups and domain user accounts, such as those shown below, should be set up *in addition to* the prerequisites described in Operating System Component Requirements:

- Create three Active Directory Groups: DOMAIN\RoomViewAdmins, DOMAIN\RoomViewManagers and DOMAIN\RoomViewUsers.
- Add domain user accounts to the appropriate groups. Admins to the RoomViewAdmins group, users to the RoomViewUsers group and managers to the RoomViewManagers group.

NOTE: It may be possible to use existing groups already containing user accounts.

NOTE: Group names used for Windows Authentication are case sensitive when entered into RoomView.

NOTE: A domain account must be used for the RoomView services, particularly the RoomView Authorization service. This account must be a member of the Windows Authorization Access group.

Rights

The account installing RoomView Server Edition must have the following rights:

- Local Administrator's Rights on any server where RoomView Server Edition components will be installed.
- SQL Login with container creation rights and Database Owner Rights.
- SMTP Send Rights.
- Domino User Account with read access to the Domino Directory and Read/Write access to the Resource Reservations databases. *Only if Lotus Notes is being used for scheduling.*

NOTE: By default, the Resource Reservations database is named "Resource.nsf" and the Domino Directory is named "names.nsf", however in some installations these names may be changed and they may be composed of multiple databases spanning multiple Domino servers and or Domino domains. Therefore, the RoomView user that has access to Domino should have access to all necessary resource reservations databases and the main "Domino Directory Server".

Server Side Installation Procedure

RoomView Server Edition installation consists of a setup wizard and a configuration wizard.

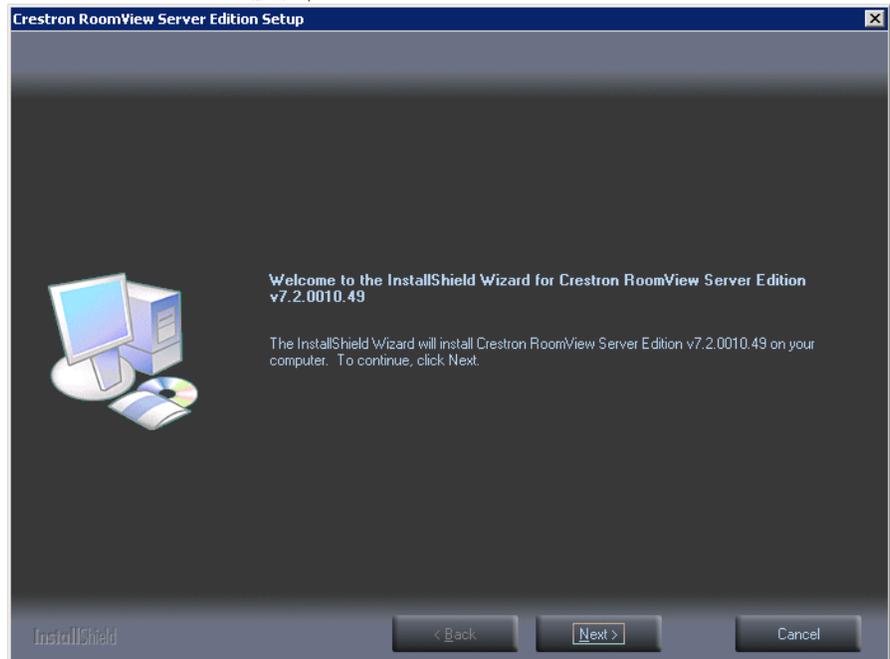
NOTE: A demo program for RoomView is copied to the server at the time of installation. Contact your administrator for more information.

1. Download the RoomView Server Edition installer from the Crestron website to your desktop. The file will be named **roomview_server_7_2_0010_xx.exe** (xx is the build number). Right-click the file and select **Run as Administrator** to start the installation.

The Crestron RoomView "Setup Welcome" window for the RoomView Server Edition installation will appear.

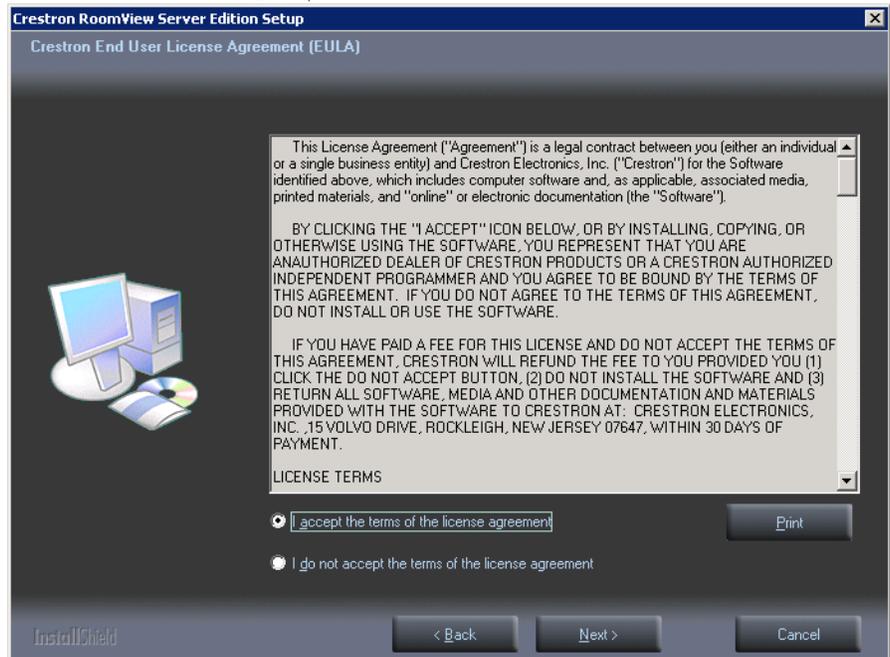
NOTE: For the sake of brevity, RoomView Server Edition will be referred to simply as RoomView. Where it is necessary to distinguish RoomView Server Edition from another version of RoomView, the full name will be used.

Crestron RoomView “Setup Welcome” Window



2. Click **Next** to display the “License Agreement” window where you will be prompted to accept (or not) the license agreement governing the RoomView application. Accept the agreement (if you want to continue) by clicking the appropriate radio button. You can also use the **Print** button to retain a copy for your records. Click **Next** to continue.

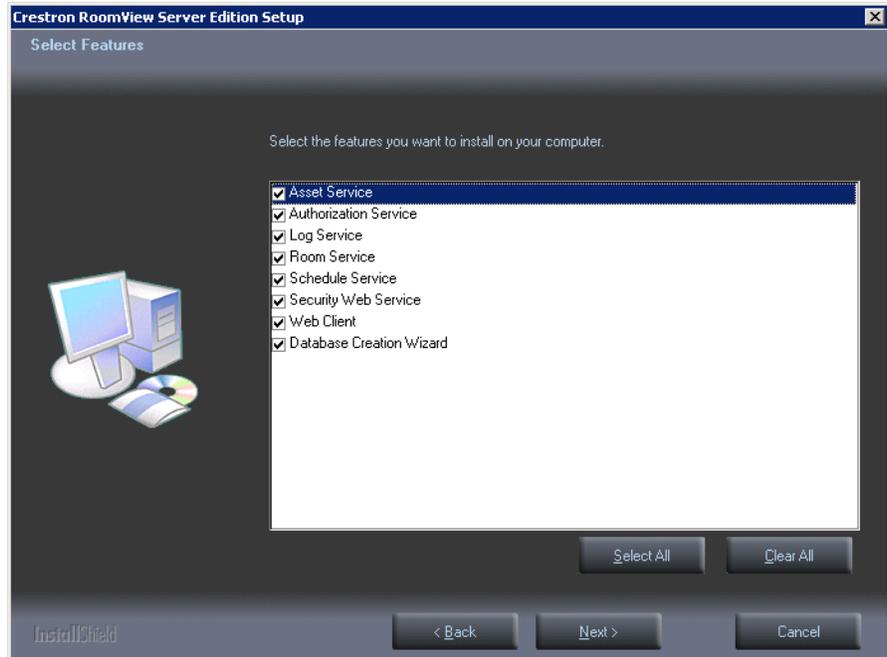
“License Agreement” Window



3. The “Select Features” window will be displayed. By default, all of the features and services are selected for installation because all services are

required for RoomView to run correctly. If more than one server will be employed, select the features and services to be installed on this server. Any features and services not selected for this server must be installed on a separate server that is a member of the same network.

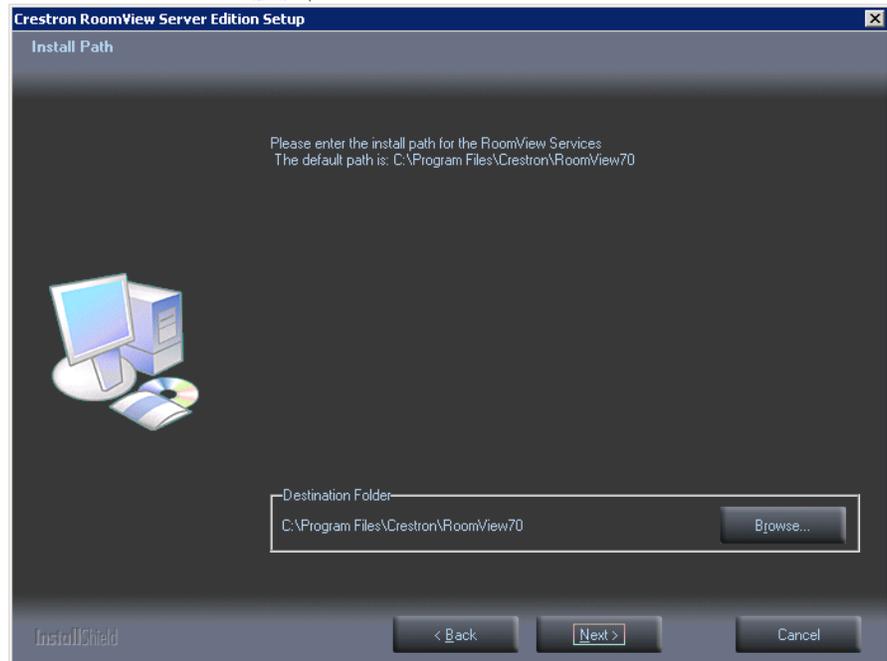
“Select Features” Window



NOTE: If some part of the installation fails, the “Select Features” window can be used to restart the installation process without affecting the services already installed.

4. The “Install Path” window will be displayed allowing you to choose where RoomView is installed on your server. It is suggested that you allow it to be installed to the displayed default location. Click the **Browse** button if you wish to install elsewhere. Click **Next** to continue.

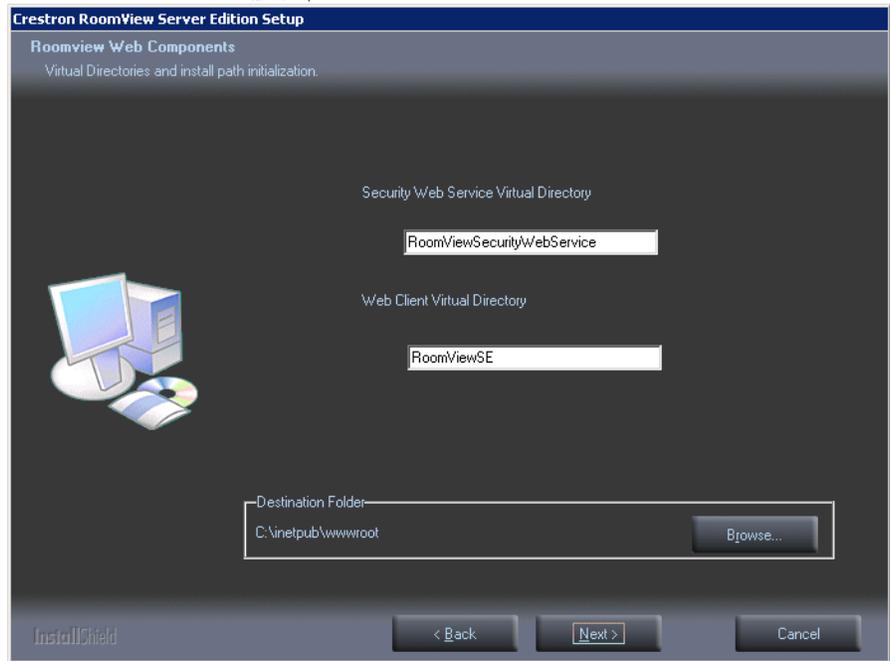
“Install Path” Window



5. When the “RoomView Web Components” window opens, ensure that it displays the proper names of the Security Web Service Virtual Directory and Web Client Virtual Directory in the appropriate fields. Click **Next** to continue.

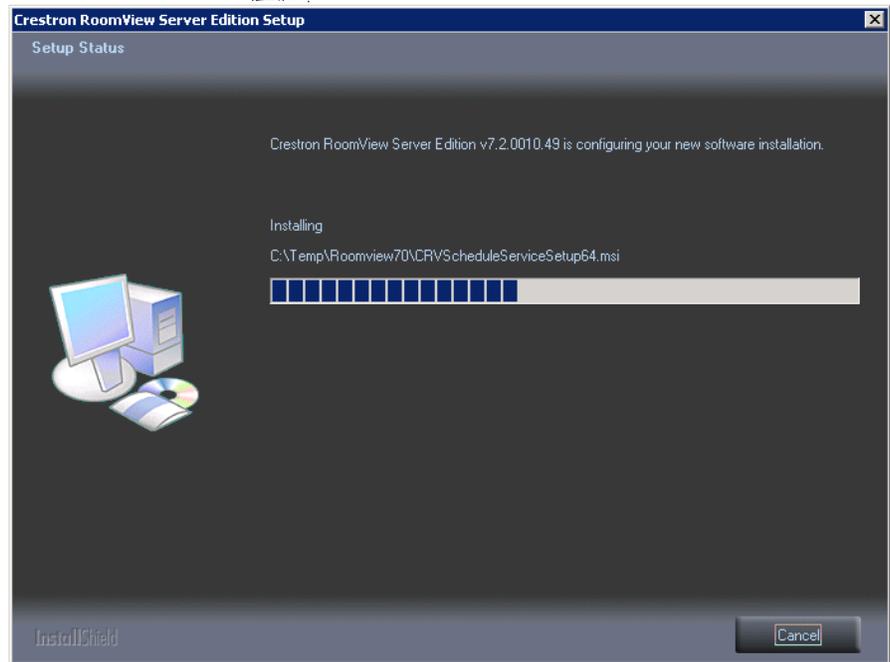
NOTE: The destinations for the Security Web Service Virtual Directory and the Web Client Virtual Directory shown on the “RoomView Web Components” window are the default destinations provided by the installer. If you need to install these virtual directories in a location other than C:\inetpub\wwwroot, such as another disk partition, use the **Browse** button to direct the installer accordingly.

“RoomView Web Components” Window



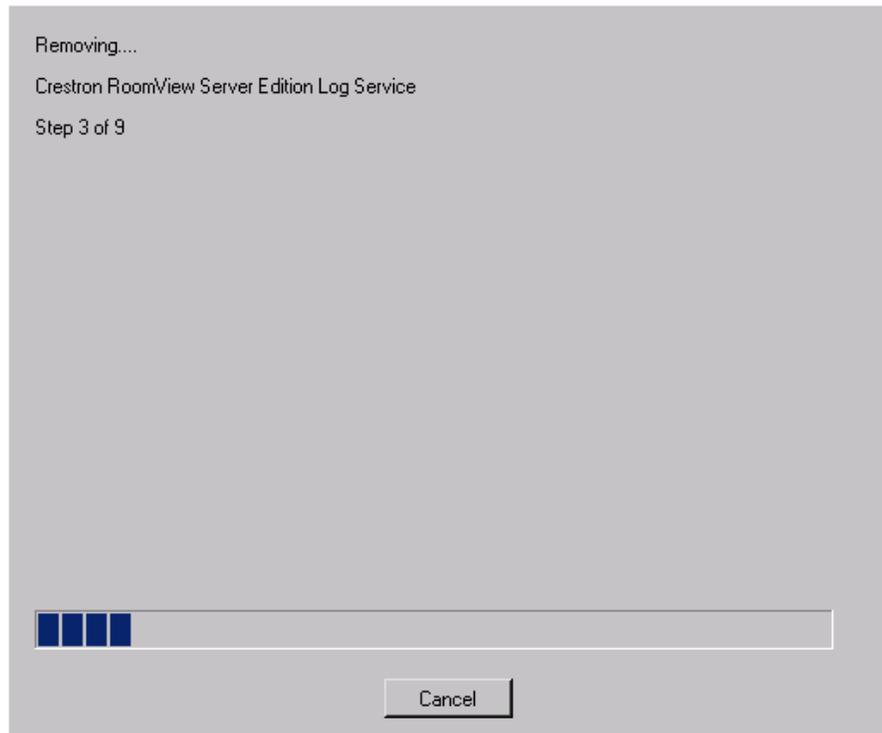
6. The “Setup Status” window is displayed as the setup progresses.

“Setup Status” Window



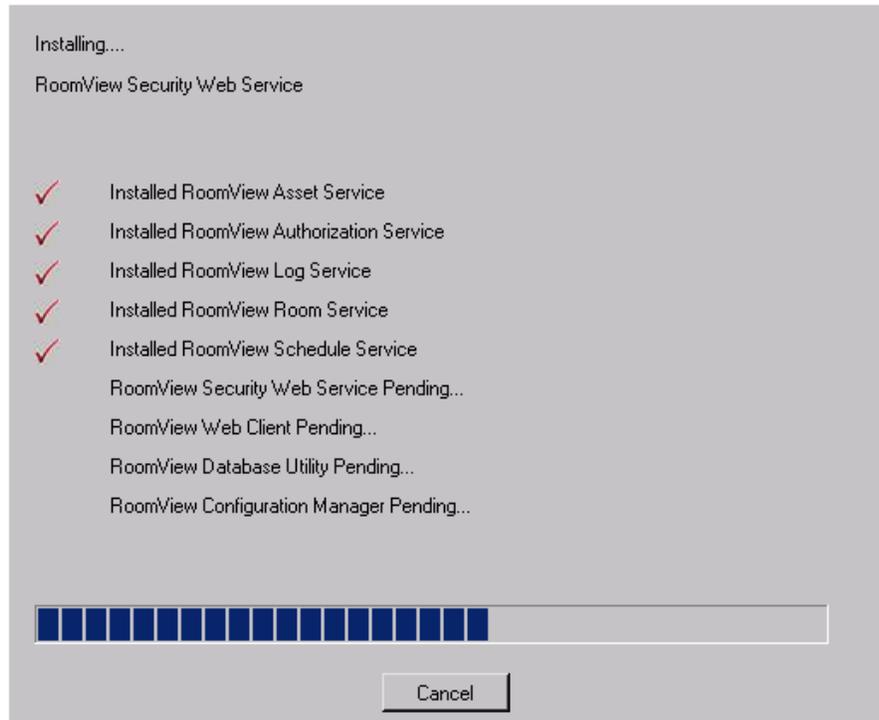
7. When the “Setup Status” window has been dismissed by the installer, the “Removing Service Progress” window will open *if there was a previous installation of RoomView on the server*. This part of the installer locates and removes any previously installed RoomView components. If the “Removing Service Progress” window opens, allow it to run to completion.

“Removing Service Progress” Window



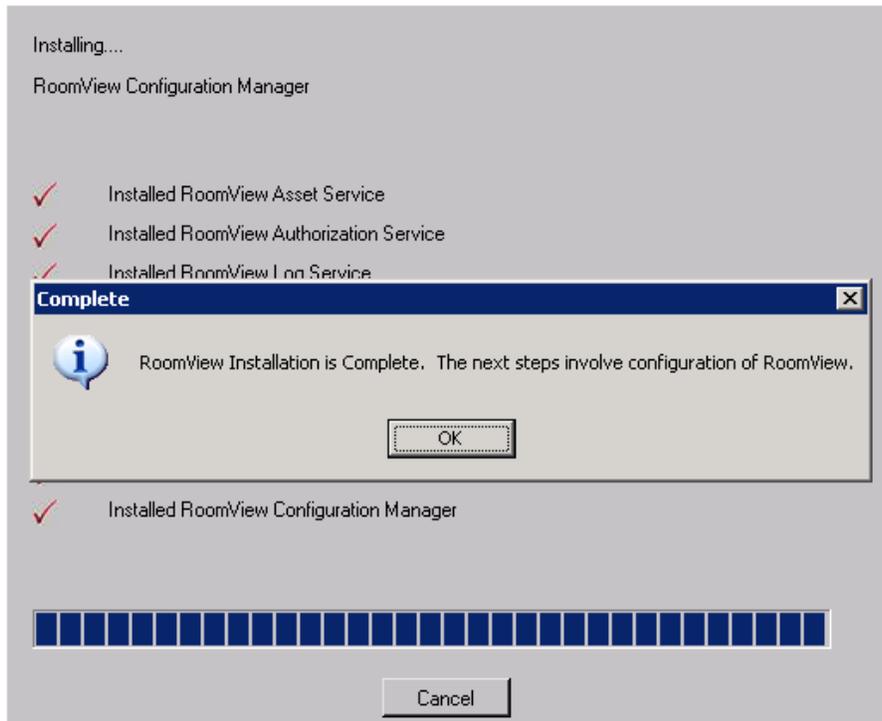
8. When all of the existing RoomView services are removed or there are no existing services because this is a fresh install, the “Installing Services Progress” window will open listing the services to be installed. When a service is completely installed it will be checked off in the list. Allow this process to run to completion.

“Installing Services Progress” Window



9. The “RoomView Installation Complete” alert is the next thing to open. This indicates that the installation is complete and you are about to begin the configuration stage of the process. Click **OK** to begin the configuration.

“RoomView Installation Complete” Alert



Configuration Manager Setup and Configuring RoomView

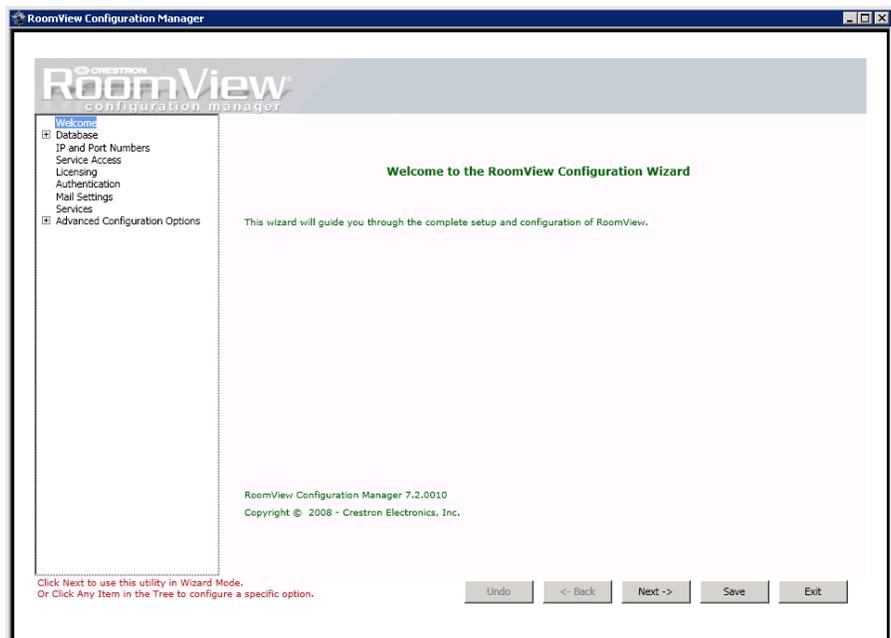
The Configuration Manager provides an easy-to-use interface for defining or changing the required settings that allow all installed RoomView components to interact. The Configuration Manager can be used as a wizard to step through the configuration process or as a tree to set specific variables required for your installation. Many of the fields on the Configuration Manager will be filled automatically upon installation, but the following procedures are provided in the event that a step-by-step manual configuration becomes necessary.

NOTE: When you have completed configuring RoomView to your installation, you must click the **Save** button before closing the Configuration Manager. It is unnecessary to click **Save** following changes to each individual step. After you click **Save** you will be prompted to restart services. Clicking **OK** will restart the RoomView services and your changes will take effect.

Welcome Window

The “Welcome” window of the Configuration Manager introduces you to the RoomView Configuration Wizard. From here you can step through the wizard using the **Next** buttons or choose the page you wish to reach by using the tree on the left.

“Welcome” Window



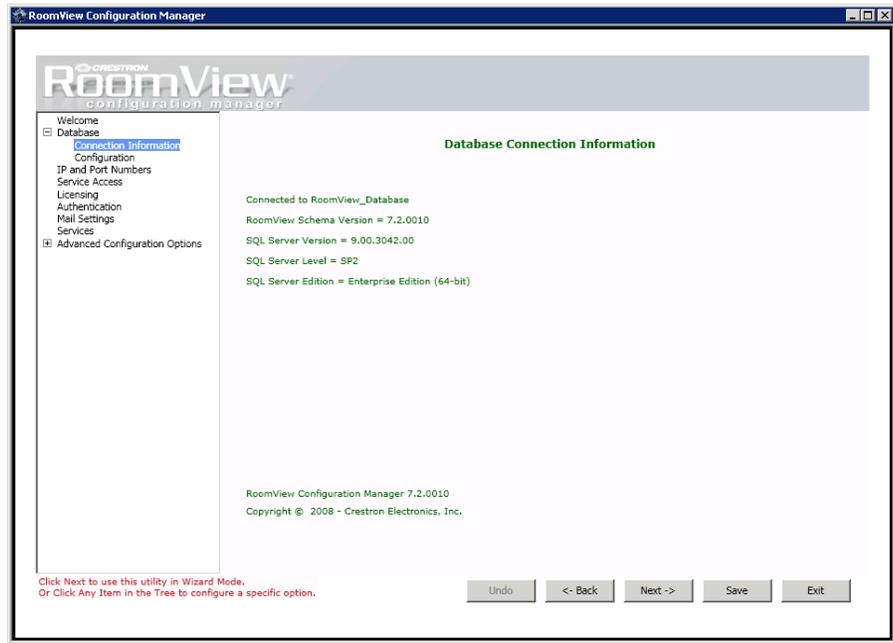
To begin stepping through the wizard, click the **Next** button. The “Database Connection Information” window is displayed.

Database Connection Information Window

The “Database Connection Information” window of the Configuration Manager displays database and SQL server information for your installation of RoomView. Connection status, schema version, SQL server version, SQL server level (installed service pack) and SQL server edition information are all displayed for the connected database.

NOTE: If the SQL database is new or has recently changed configuration, the “Database Connection Information” window will not display the information described. Instead, messages stating that a connection could not be made will be displayed.

“Database Connection Information” Window



Click the **Next** button. The “Database Configuration” window will be displayed.

Database Configuration Window

The “Database Configuration” window allows you to enter the information necessary to create or update a RoomView database, login credentials, import graphics and test the connection to the RoomView database.

- If your installation is new and there is no existing database, enter the IP address or hostname for the server where your database will be and give your database an appropriate catalog name.

NOTE: If you are using a Database that is running under a named instance, you must specify the instance name as part of the SQL Server IP Address/hostname field as follows: “ServerName\Named Instance”.

NOTE: If you are accessing a Database on a non-standard port, you must specify the port number as part of the SQL Server IP Address/hostname field as follows: “ServerName,Port Number”.

- Set your database login credentials. If you are using Windows Authentication, your Windows username and password will be used to access the RoomView database. If you are using SQL Authentication, enter the appropriate User Name and Password.

NOTE: For Windows Authentication, a domain user account must be specified for RoomView services and the IIS Application Pool with Database Owner rights to the

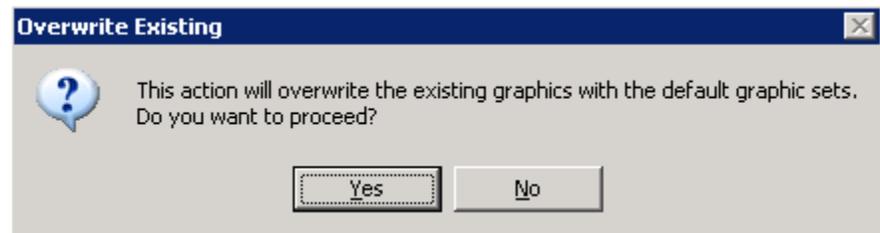
database. The domain account specified for the services will be used for all authentication requirements when the services are running. Note that Configuration Manager operations are run under the user account of the currently logged in user.

- Click the **Create Database** button. RoomView will go through several steps while it creates the required database elements based on the connection parameters specified on this window. **Do not interrupt this process.**

NOTE: If your database already exists you will see the following alert when you click the **Create Database** button.



- If you want to keep the existing data, click the **Update Database** button. (A DOS window will open as the action is performed.) If you want to replace the existing database, you must delete it using the appropriate tool (e.g., SQL Server Management Studio). If neither is acceptable, select another database or server and try again.
- If you have imported custom graphics into RoomView or it simply becomes necessary to restore the default graphics for one reason or another, click the **Import Graphics** button. The following alert will be displayed.

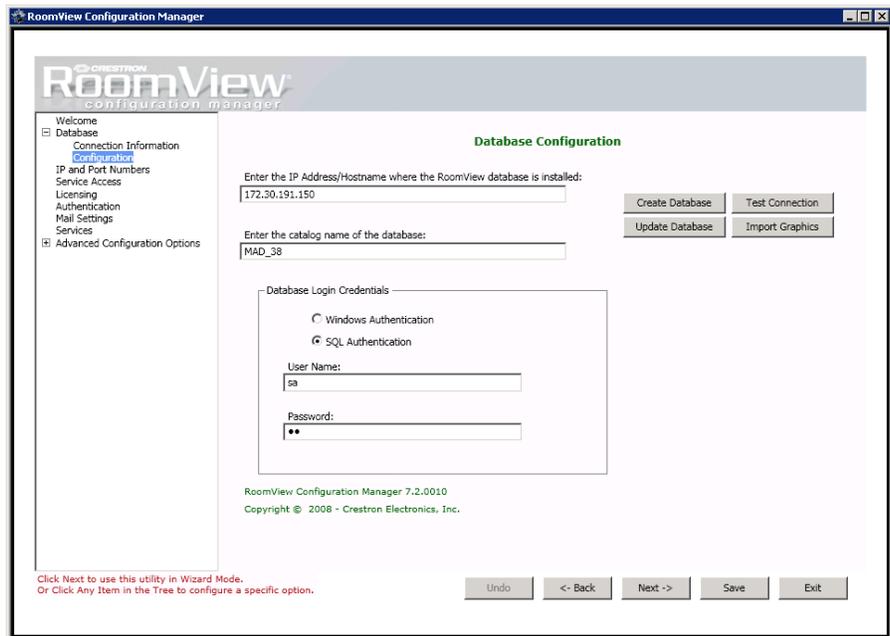


Clicking **Yes** will open a DOS window where you'll see the action being performed on a command-line level. Click **No** to escape without proceeding. When the import is complete, press any key to close the DOS window and return to the Configuration Manager.

NOTE: If you have questions about importing graphics, contact Crestron's True Blue Support, by logging in at www.crestron.com/support. First-time users will need to establish a user account.

- The **Test Connection** button provides you with feedback on the status of your connection with the server. The results of the test are printed immediately below the buttons.

“Database Configuration” Window



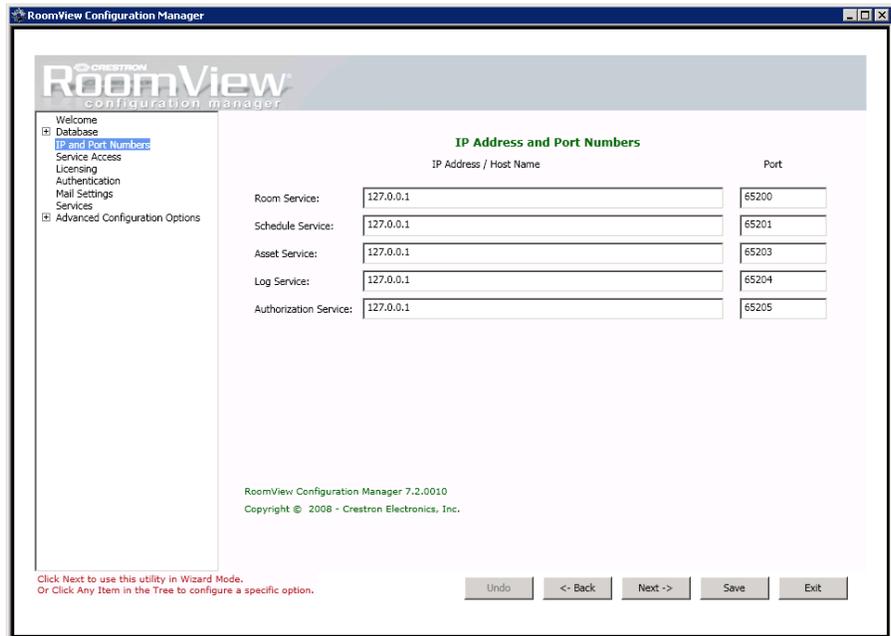
Click the **Next** button to continue. The “IP Address and Port Numbers” window will display.

IP Address and Port Numbers Window

The “IP Address and Port Numbers” window displays the IP addresses for the Room Service, Schedule Service, Asset Service, Log Service and Authorization Service.

NOTE: The default addresses shown (i.e., 127.0.0.1) are the addresses of the local machine where you are installing RoomView Server Edition. You must enter addresses appropriate to your installation.

“IP Address and Port Numbers” Window



Click the **Next** button to continue to the “Services Access Control” window.

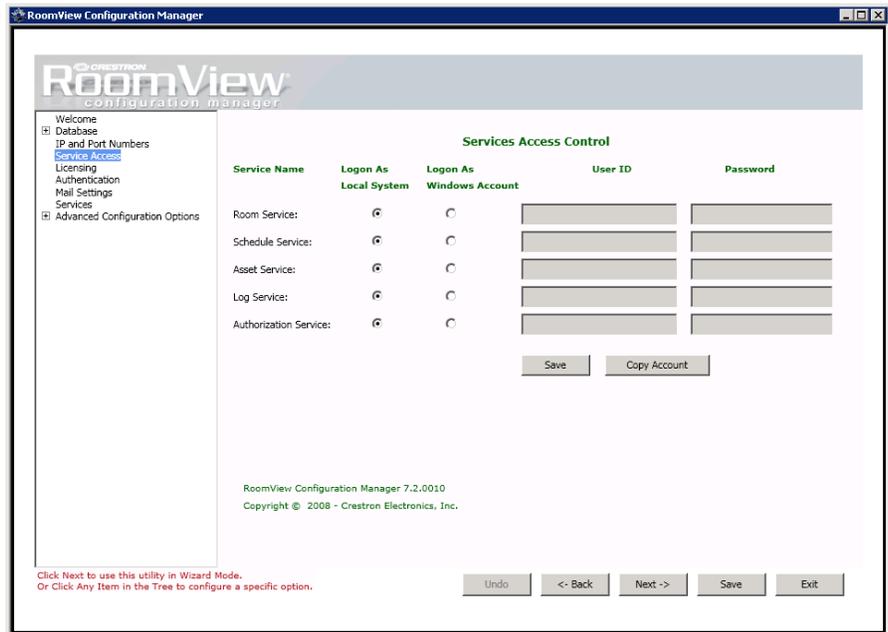
Services Access Control Window

The “Services Access Control” window allows you to run RoomView services as local system accounts or Windows accounts. By default the **Logon as Local System** radio button is selected and is recommended for most installations. If your installation has special requirements select the **Logon As Windows Account** radio button and enter the appropriate User ID and Password. Click **Save** to commit your choices.

NOTE: If you are using Logon As Windows Account and all of your required User ID and Passwords are the same, you can enter them into the fields for the first service and then click the **Copy Account** button. This will paste the User ID and Password information you enter into every service you select with the **Logon As Windows Account** radio buttons.

NOTE: A Service Account must have **Logon As Service** rights in order to work correctly.

“Service Access Control” Window

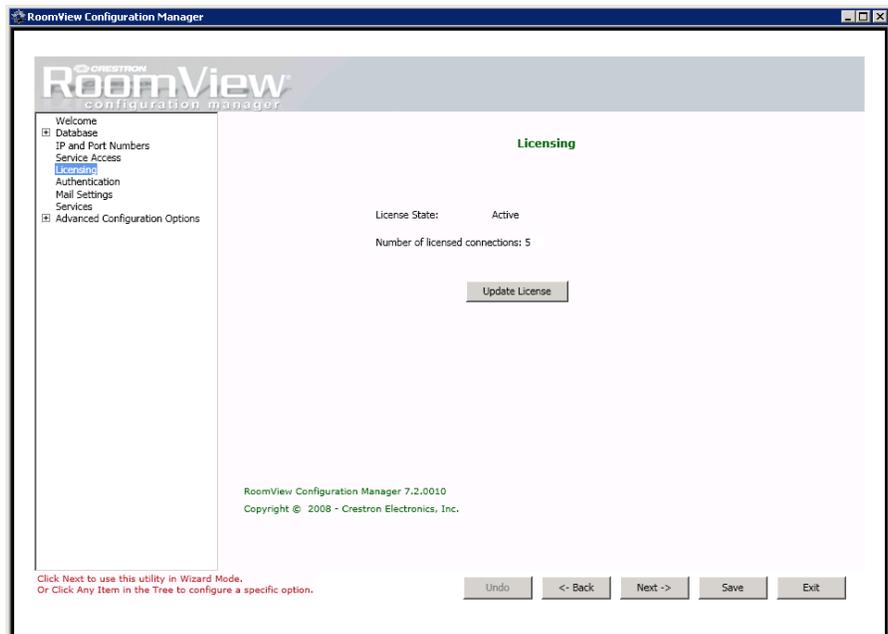


Click the upper **Save** button if you made changes and then **Next** to continue to the “Licensing” window.

Licensing Window

The “Licensing” window displays the RoomView license status for the server. An unlicensed server is allowed 5 SIMPL Windows symbol connections. Once properly licensed, the number of connections is unlimited.

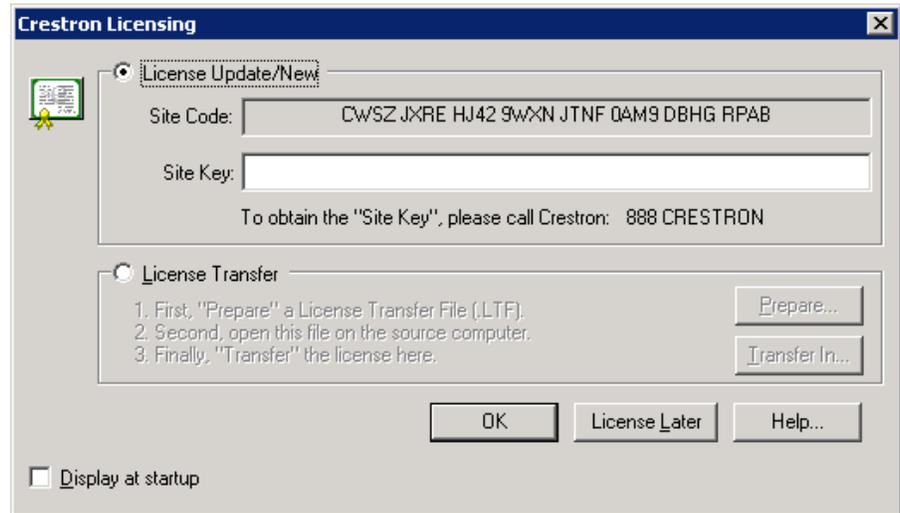
“Licensing” Window



To set a license, click the **Update License** button. The “Crestron Licensing” window will display.

NOTE: If a previous license exists on the server where you are now installing RoomView Server Edition, the required License Site Key will be automatically picked up during installation.

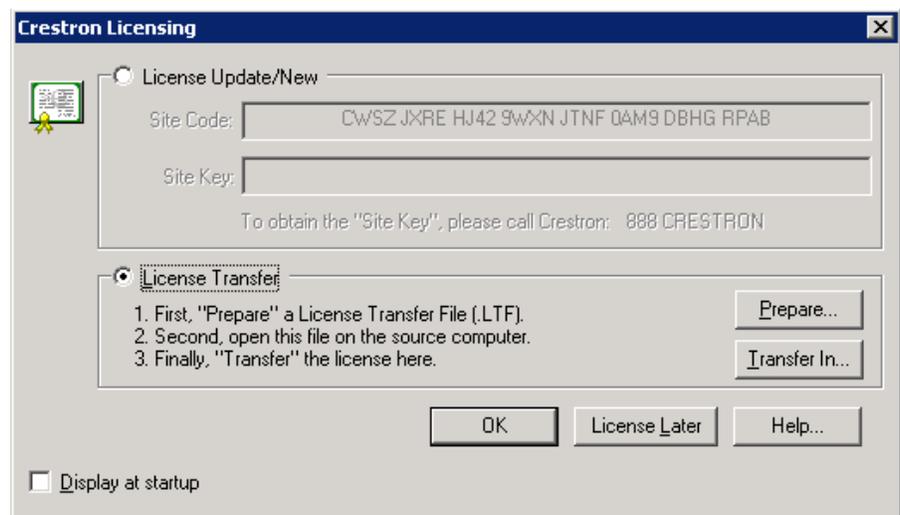
“Crestron Licensing” Window



If you already have a site key on another computer and wish to transfer it, proceed as follows:

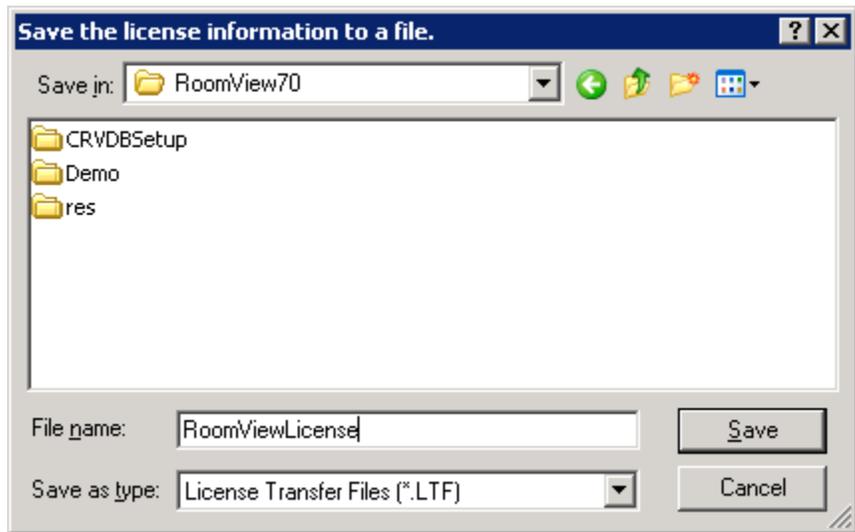
- On the **unlicensed** or destination server, go to RoomView’s *Licensing* tab on the Configuration Manager and click the **Update License** button. This will open the “Crestron Licensing” window as shown below. Click the **License Transfer** radio button and then the **Prepare** button.

“Crestron Licensing” Window on the Unlicensed Server



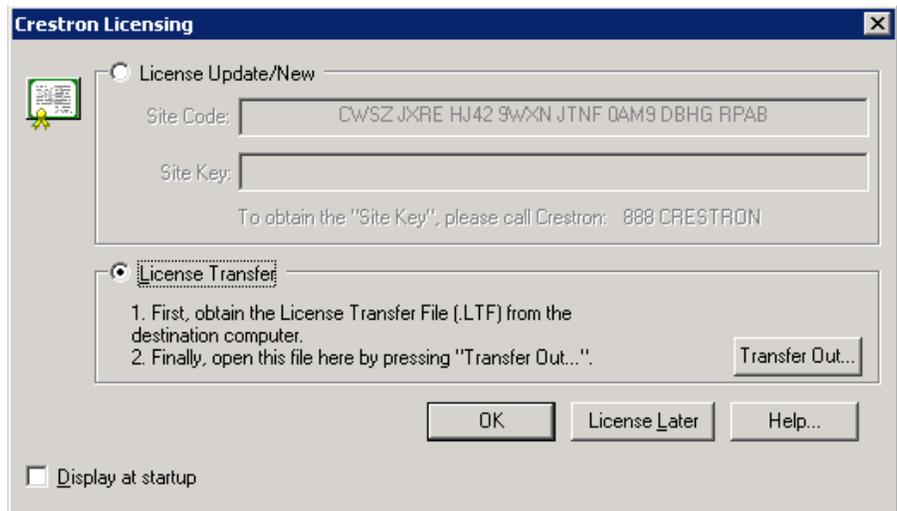
- The “Save License” window will open. Enter a name for the License Transfer File in the *File Name* field and click **Save**.

“Save License” Window



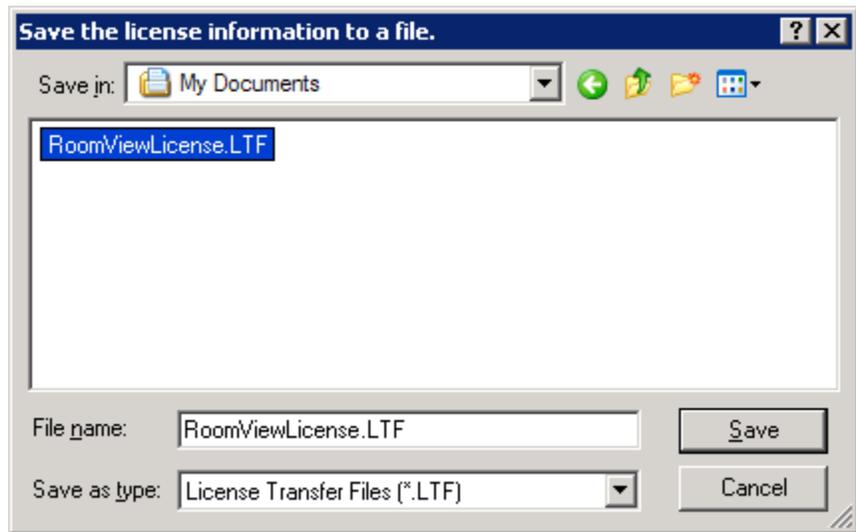
- Move the newly created License Transfer File to the server with the licensed installation of RoomView and copy it to the Desktop. Open the Configuration Manager and click the **Update License** button. This will open the “Crestron Licensing” window as shown below.

“Crestron Licensing” Window on the Licensed Server



- Click the **Transfer Out** button. Browse to the new License Transfer file and click **Open**.

“Open the file with the license information” Window

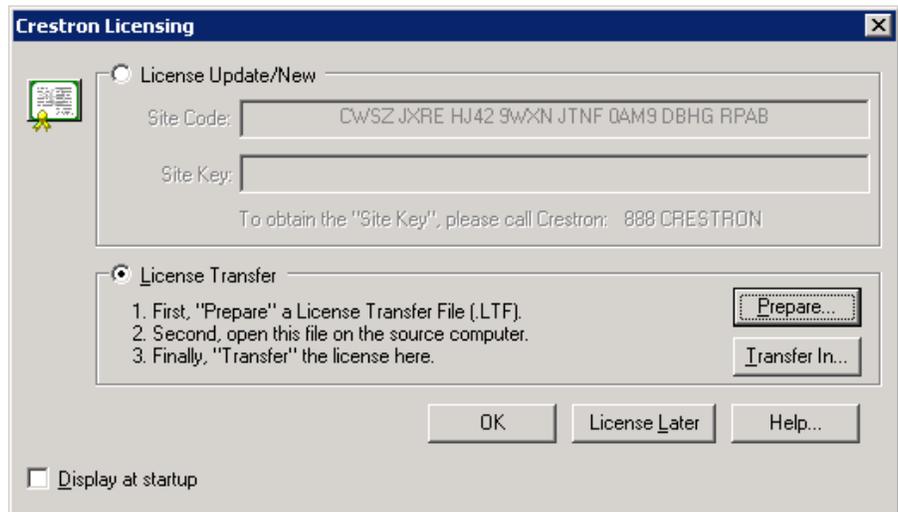


- The new License Transfer file is prepared and ready to be transferred back to the unlicensed computer.

NOTE: Be sure not to click the **Transfer In . . .** button when it becomes enabled.

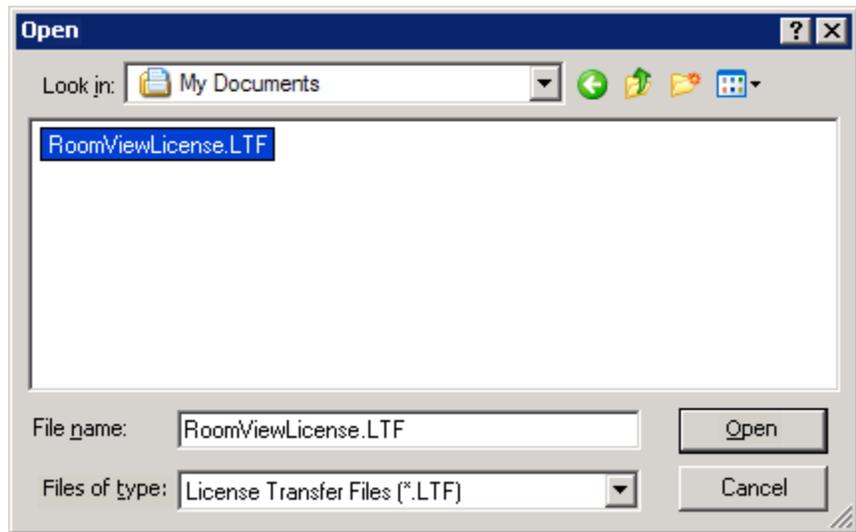
- Transfer the file to the unlicensed server via your network, USB stick or floppy disk.
- On the unlicensed server, click **Transfer In** on the “Crestron Licensing” window.

“Crestron Licensing” Window on the Unlicensed Server



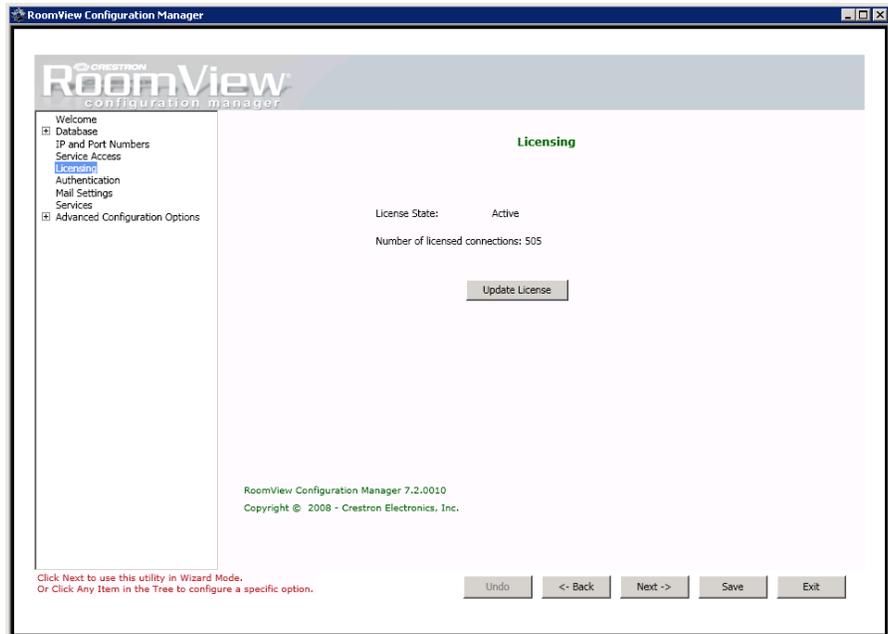
- When the “Open” window appears, navigate to the saved License Transfer file, select it, and click **Open**.

“Open” Window



- When the “Open” window closes, click **OK** on the “Crestron Licensing” window. Your license has been transferred. You will see, as in the figure that follows, the Number of licensed connections increase to the number of symbol connections you are allowed to use.

“Licensing” Window with Increased Number of Licensed Connections

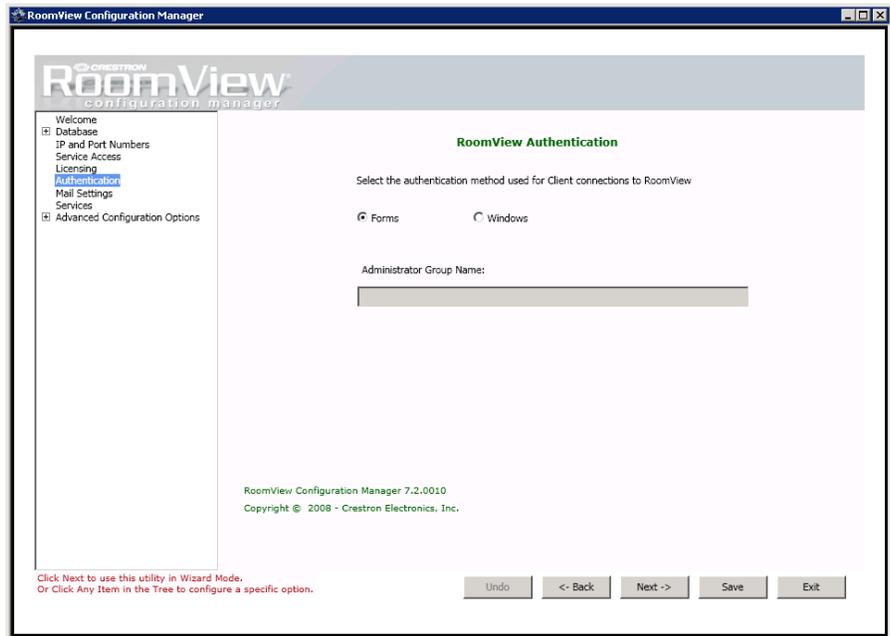


Click **Save** and then **Next** to proceed to the “RoomView Authentication” window.

RoomView Authentication Window

The “RoomView Authentication” window displays the authentication method options for client connections to RoomView. Forms authentication (the default) will authenticate using the username and password supplied by the user, Windows authentication will authenticate against the current user’s Windows OS credentials.

“RoomView Authentication” Window



NOTE: If Windows Authentication is chosen, the default Administrator Group Name is the Windows default administrators domain group: **BUILTIN\Administrators**. This domain group can be changed to anything your installation requires.

NOTE: If Windows Authentication is selected the RoomView server must be part of a domain.

NOTE: Group Names used for Windows Authentication are case sensitive when being entered into RoomView.

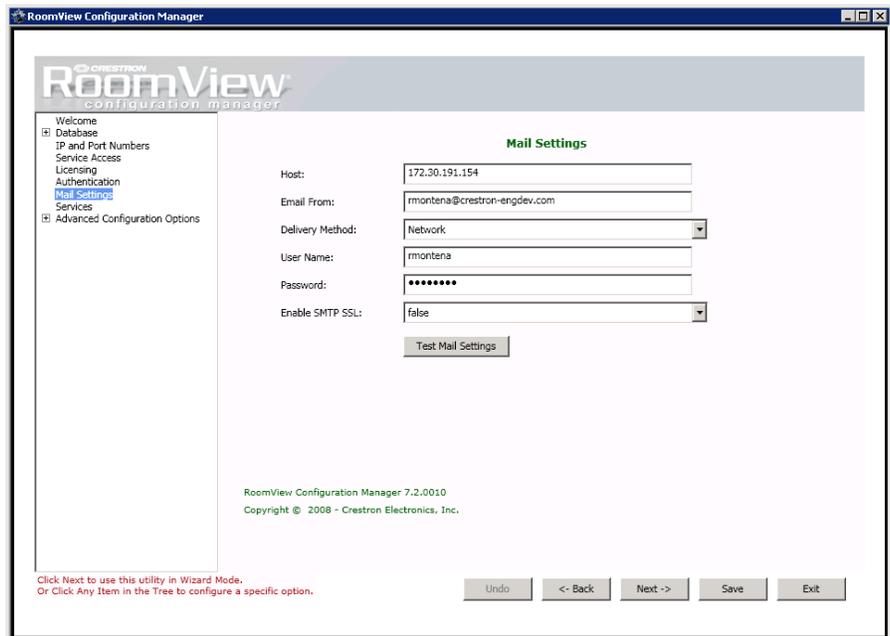
To change the authentication method, click the **Forms** or **Windows** radio button. Click **Save** and then **Next** to continue to the “Mail Settings” window.

Mail Settings Window

The “Mail Settings” window displays server settings that the log service uses to send e-mail notifications via Microsoft Exchange. It should be configured as follows:

NOTE: Lotus Notes Domino settings are covered in the “Schedule Service Information” window later in this document.

“Mail Settings” Window



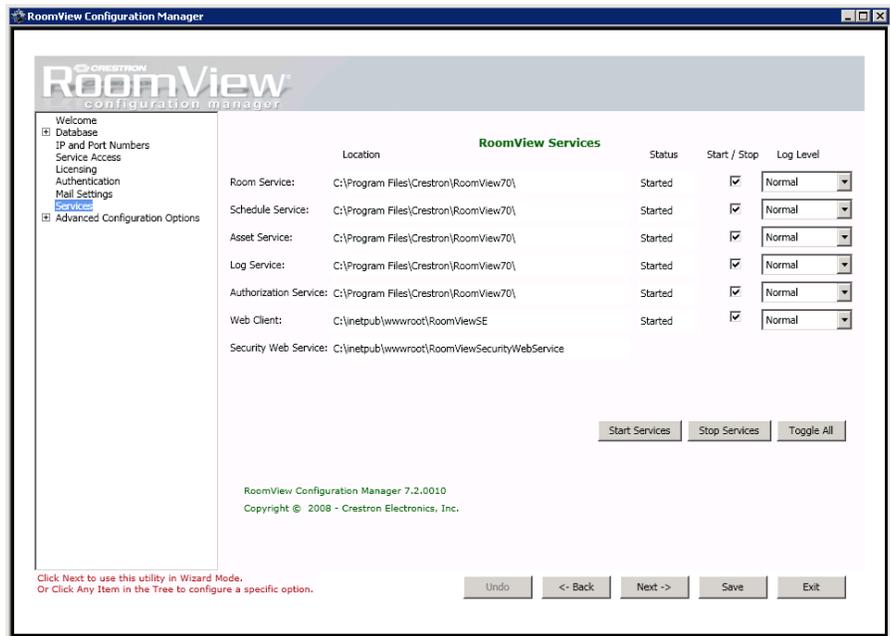
- Enter the host name or IP address of your SMTP server in the *Host* field.
- Enter the e-mail address of the person responsible for sending e-mail notifications in your installation.
- Select the delivery method from the drop down in the *Delivery Method* field.
- Enter the user name and password for the person administering e-mail notifications in the fields by the same name.
- If you are in a SMTP SSL environment, select **True** from the Enable SMTP SSL drop down.
- Click the **Test Mail Settings** button to test your selections. A pop-up will open with fields for both the intended e-mail address and message. Enter the appropriate e-mail address and some text and click Send. An alert stating that the message was sent successfully will appear if everything is set up properly. An error will display if not. Click **OK** to dismiss the alert and pop-up. If an error occurred, click **Exit**.

Click **Save** if you made changes and then **Next** to reach the “RoomView Services” window.

RoomView Services Window

The “RoomView Services” window shows the location, status and logging setting for each of RoomView’s services. Services can be stopped or started using the **Start Services** and **Stop Services** buttons and various levels of system logs can be chosen from the *Log Level* drop downs.

“RoomView Services” Window

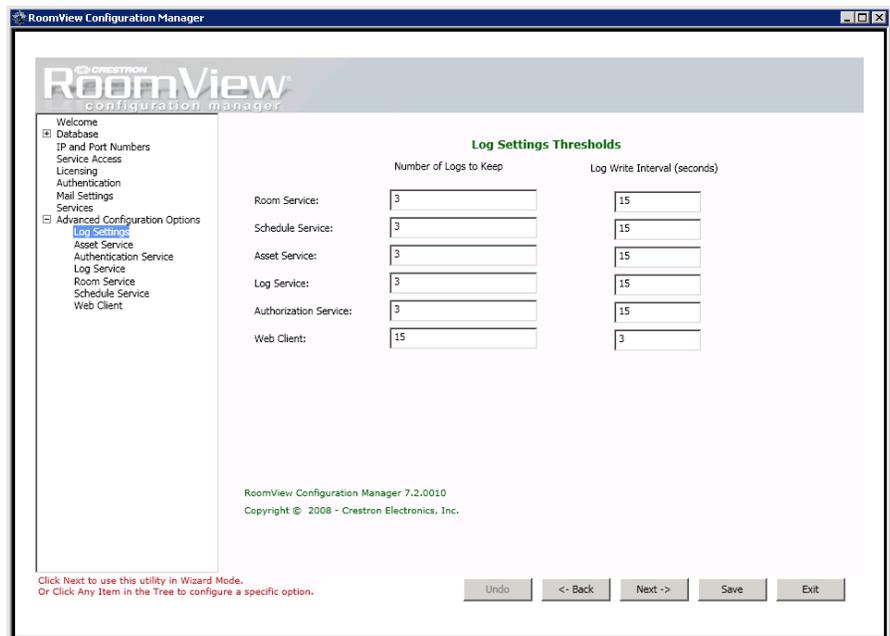


Click **Save** if you made changes and then **Next** to enter the Advanced Configuration Options starting with the “Log Settings Thresholds” window.

Log Settings Thresholds Window

The “Log Settings Threshold” window allows the number of log files for each service and the write interval for those logs to be set. The defaults are usually adequate. Changes are made by editing the desired field.

“Log Setting Thresholds” Window

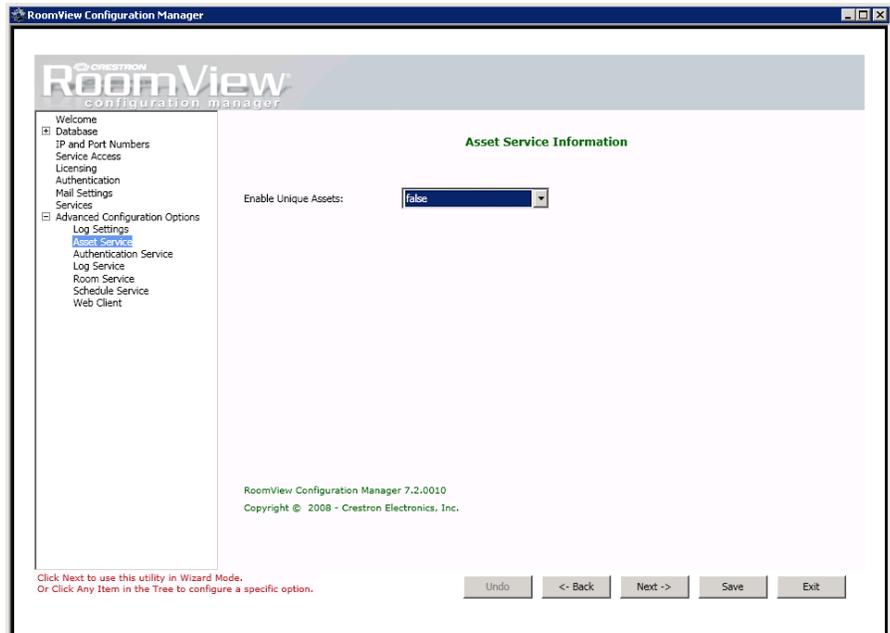


Click **Save** if you made changes and then **Next** to go to the “Asset Service Information” window.

Asset Service Information Window

When this service is enabled, RoomView forces the user to enter a unique asset tag value for each asset. To enable this service, select **true** from the drop down.

“Asset Service Information” Window

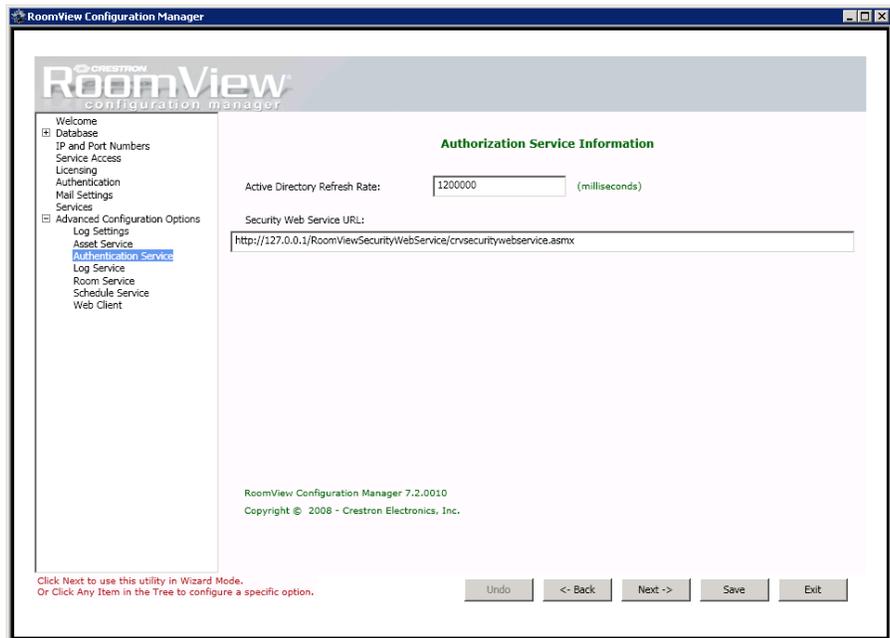


Click **Save** if you made changes and then **Next** to go to the “Authorization Service Information” window.

Authorization Service Information Window

This windows allows the Active Directory Refresh Rate (in ms) to be set and the Security Web Service URL to be modified if necessary. The defaults should be sufficient for most installations.

“Authorization Service Information” Window



Click **Save** if you made changes and then **Next** to go to the “Log Service Information” window.

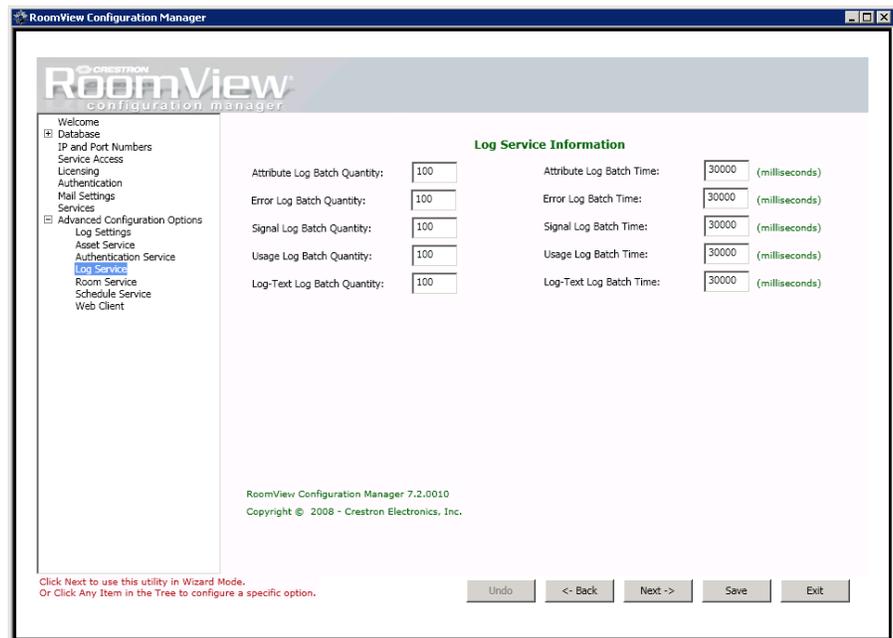
Log Service Information Window

The “Log Service Information” window displays editable fields for log batch quantities and times for the Attribute, Error, Signal, Usage and Log-Text logs.

- Batch Quantities are the number of records to be written to the applicable log table.
- Batch Times are the amount of time to wait before sending batched records to the applicable log.

The Log Service uses whichever setting is reached first. For example, if the Attribute Log Service is set to log 100 records or thirty seconds, then the service will write to the database when it has batched 100 records or after a 30 second interval has passed - whichever comes first.

“Log Service Information” Window

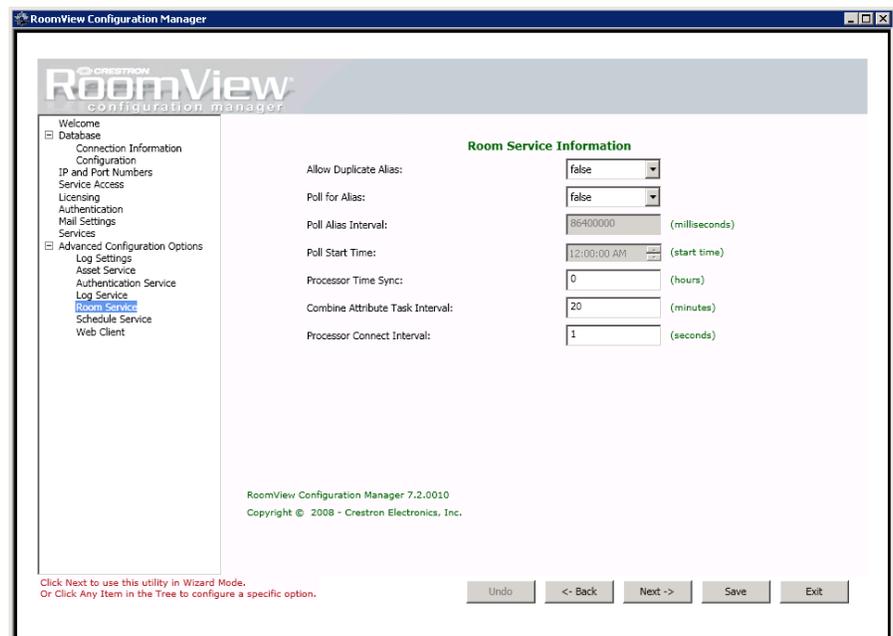


Click **Save** if you made changes and then **Next** to go to the “Room Service Information” window.

Room Service Information Window

The “Room Service Information” window allows you to tailor certain settings for your installation.

“Room Service Information” Window



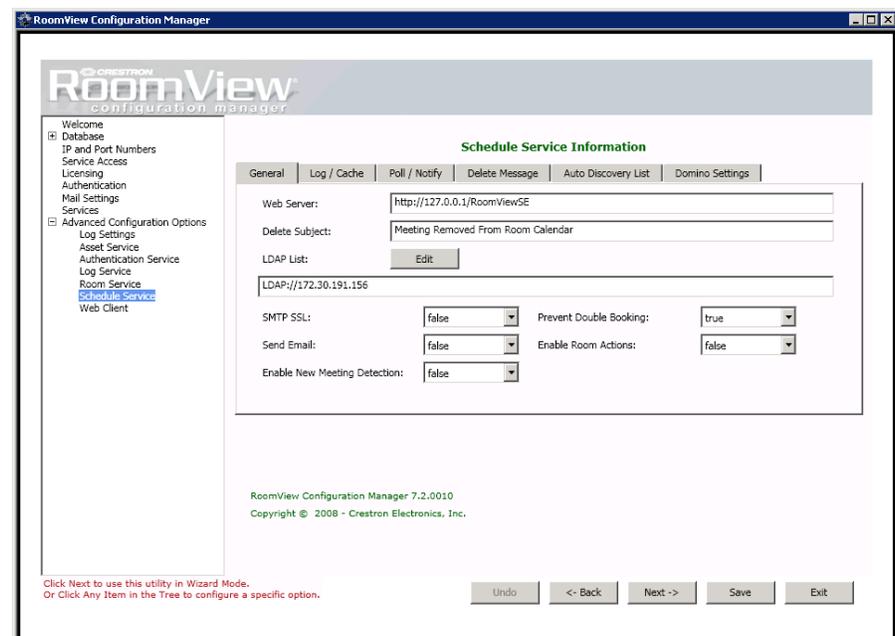
- **Allow Duplicate Alias drop down:** When **True** is selected, allows RoomView to save a new room with a room alias that already exists in the database.
- **Poll for Alias drop down:** When **True**, RoomView will poll for alias rooms.
- **Poll Alias Interval:** This field contains the time interval (in milliseconds) for polling for alias rooms.
- **Poll Start Time:** This field allows you to select the time you want RoomView to begin polling for alias rooms.
- **Processor Time Sync:** Specifies how often (in hours) RoomView will update the current time of connected processors. A zero in this field disables the feature.
- **Combine Attribute Task Interval:** This field controls the amount of time (in minutes) between RoomView refreshes of attribute IDs in the log tables that have changed as a result of the Combine Attribute feature. A -1 in this field disables this feature.
- **Processor Connect Interval:** The time interval in seconds that RoomView waits between attempting processor connections at start up. A zero in this field removes any delay between connection attempts.

Click **Save** if you made changes and then **Next** to go to the “Schedule Service Information” window.

Schedule Service Information Window

This window is divided into six tabs: *General*, *Log/Cache*, *Poll/Notify*, *Delete Message*, *Auto Discovery List* and *Domino Settings* allowing you to tailor the Schedule Service to your needs.

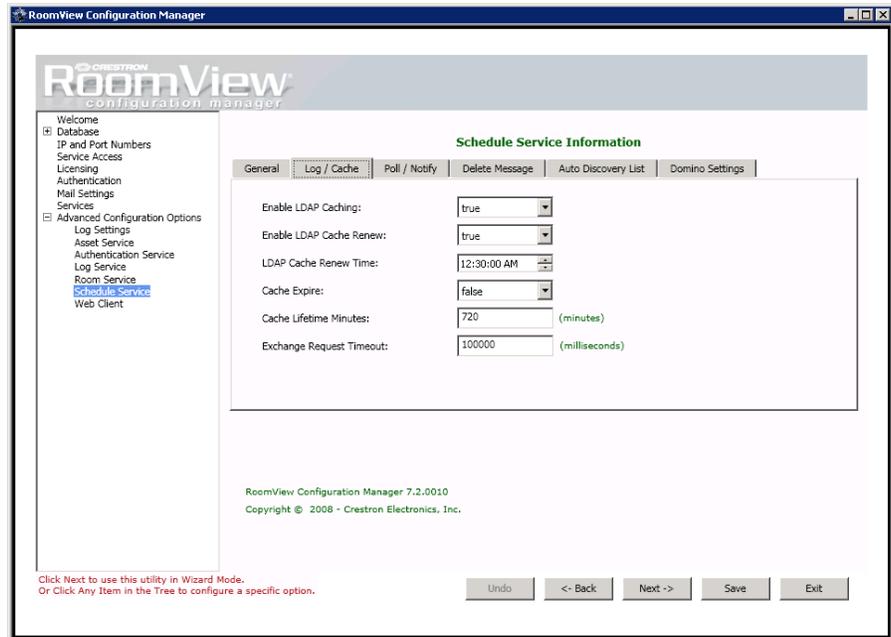
“Schedule Service Information” Window-General Tab



The *General* tab is divided into the following fields and controls:

- **Web Server:** This is the URL where RoomView is accessed. This is where RoomView is installed on the server.
- **Delete Subject:** This is the subject for the default meeting deleted e-mail sent from RoomView.
- **LDAP List:** Clicking the Edit button here will open a pop-up allowing you to add or remove IP addresses of LDAP servers that RoomView uses to resolve Active Directory user and room information.
- **SMTP SSL:** This drop down allows you to choose whether RoomView will use SSL for its SMTP.
- **Send Email:** This drop down allows you to specify whether the default e-mail will be sent or not.
- **Enable New Meeting Detection:** When enabled, this allows RoomView to scan a room's calendar for new meetings added by an external mail client.
- **Prevent Double Booking:** When enabled, this prevents a new meeting from being added to the room's calendar if there is already a meeting scheduled for the same time and date. This feature is only applied to meetings scheduled through RoomView.
- **Enable Room Actions:** When enabled RoomView will send actions to rooms for scheduled meetings and events.

“Schedule Service Information” Window-Log/Cache Tab

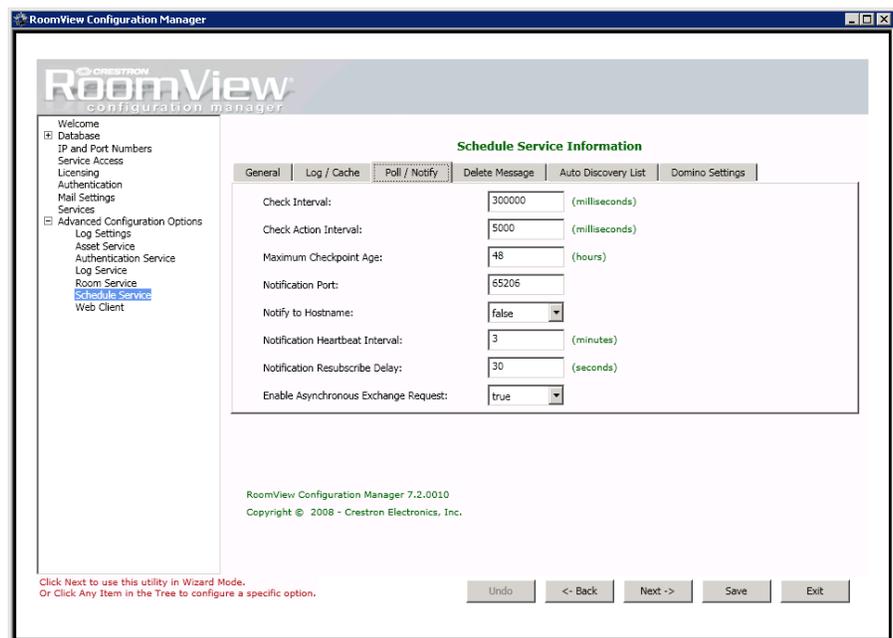


The *Log/Cache* tab is divided into the following fields and controls:

- **Enable LDAP Caching:** When enabled, information from LDAP queries is saved for later use.
- **Enable LDAP Cache Renew:** When enabled RoomView will delete all cached LDAP query information and rebuild a new cache on a daily basis.

- **LDAP Cache Renew Time:** This sets the time for the daily LDAP Cache Renew.
- **Cache Expire:** When enabled, RoomView will delete and renew the LDAP cache according to the settings in the *Cache Lifetime Minutes* and *Exchange Request Timeout* fields.
- **Cache Lifetime Minutes:** The time in minutes RoomView keeps the LDAP cache in memory.
- **Exchange Request Timeout:** The time in seconds before an Exchange request time out. This applies only to WEBDAV rooms.

“Schedule Service Information” Window-Poll/Notify Tab

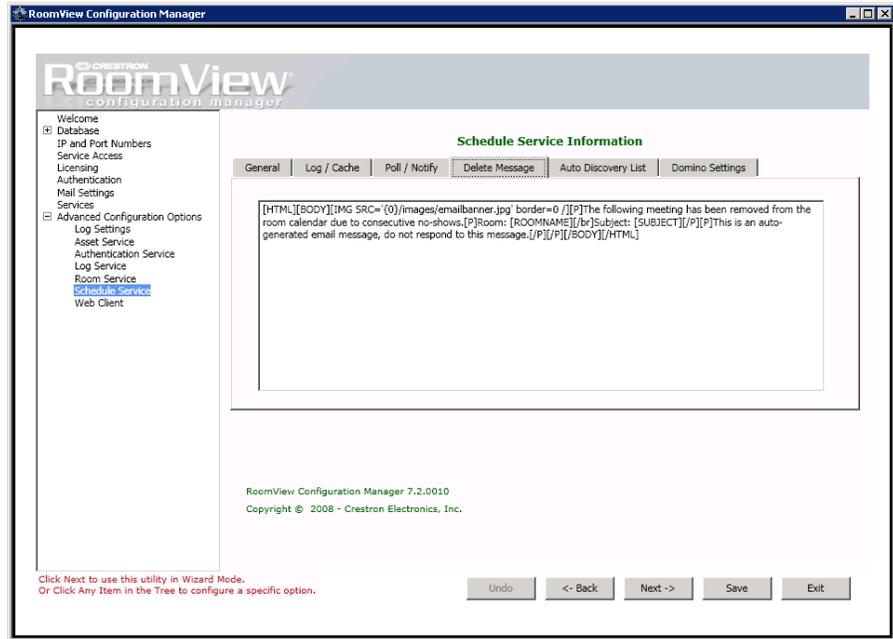


The *Poll/Notify* tab is divided into the following fields and controls:

- **Check Interval:** Checks for new meetings, actions and missing notifications at the entered time interval (in milliseconds).
- **Check Action Interval:** Checks for pending actions at the entered interval (in milliseconds).
- **Maximum Checkpoint Age:** The age, in hours, of the oldest checkpoint record which will be processed at start up. Any record found to be older will be discarded. Applies only to Exchange and EWS scheduled rooms.
- **Notification Port:** This is the specified TCP/IP port on which RoomView will listen for notifications from the scheduling provider. Valid values are 1025 to 65534. Avoid ports being used by other services.
- **Notify to Hostname:** When enabled (**true** is selected from the drop down) the scheduling provider will provide notification of use via the hostname instead of IP address.
- **Notification Heartbeat Interval:** The number of minutes RoomView expects to wait between change of status notifications.
- **Notification Resubscribe Delay:** The extension of the Notification Heartbeat Interval, in seconds, before RoomView resubscribes to a room.

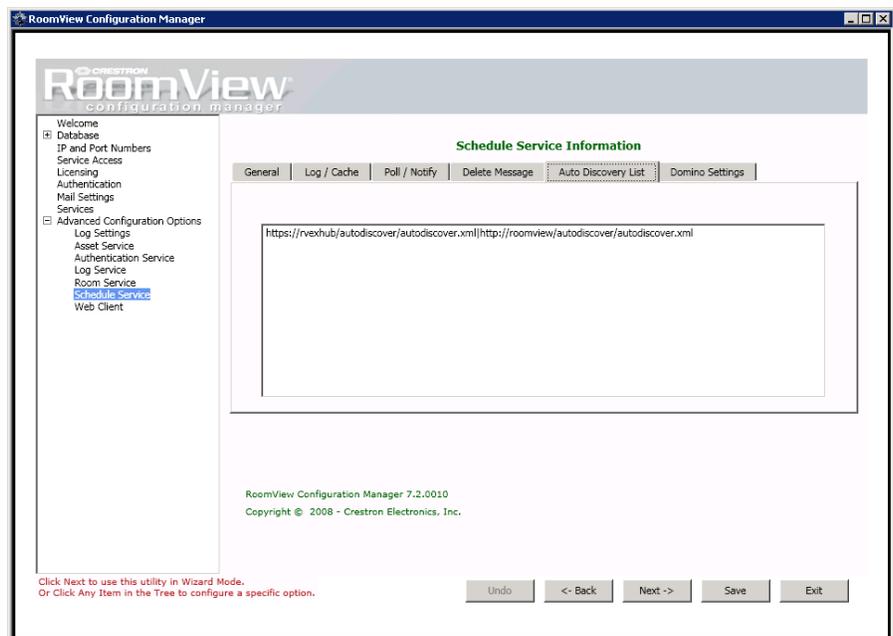
- **Enable Asynchronous Exchange Request:** When enabled (**true** selected from the drop down) Exchange-WebDAV rooms communicate asynchronously with RoomView.

“Schedule Service Information” Window-Delete Message Tab



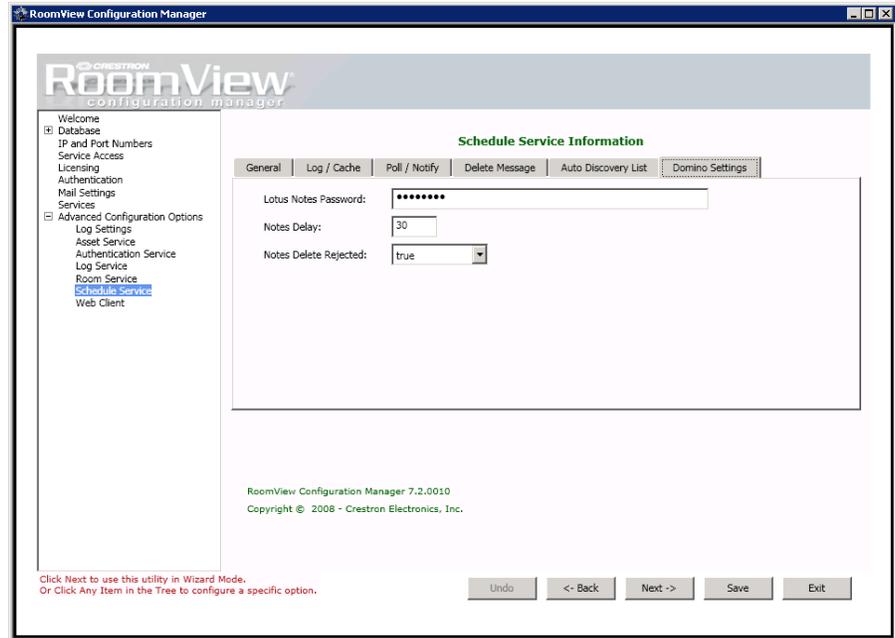
The *Delete Message* tab contains a single field with the text and HTML code for the default outgoing Meeting Deleted message for the room. This message can be edited as desired.

“Schedule Service Information” Window-Auto Discovery List Tab



The *Auto Discovery List* tab contains a single field where URLs for Exchange auto discovery can be added. Individual URLs must be separated by a pipe (|) character. By default, this field is blank.

“Schedule Service Information” Window-Domino Settings Tab



The *Domino Settings* tab contains settings required for Lotus Notes Domino to be used as a calendar type for RoomView’s scheduler.

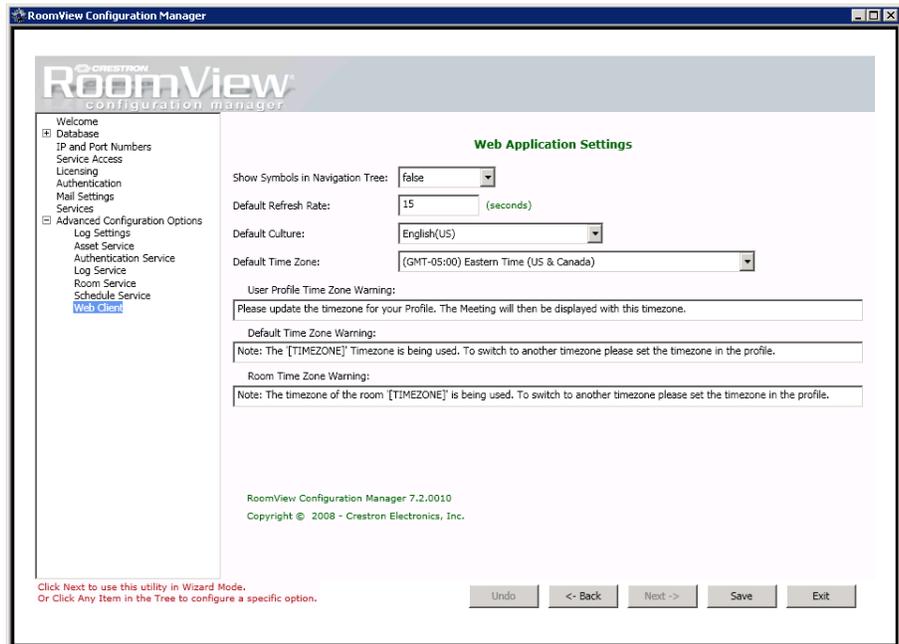
- **Lotus Notes Password:** The password to access the Domino servers from Lotus Notes is entered in this field. This applies only when Lotus Notes—as opposed to Exchange—is the scheduling provider in RoomView.
- **Notes Delay:** The number of seconds RoomView waits for Domino to accept the room reservation.
- **Notes Delete Rejected:** When enabled (**true**) RoomView can delete the reservation if it is rejected by Domino.

Click **Save** if you made changes and then **Next** to go to the “Web Applications Settings” window.

Web Applications Settings Window

This window allows you to make certain application settings that are important to the RoomView web interface.

“Web Applications Settings” Window



- **Show Symbols in Navigation Tree:** When enabled (**True** selected from the drop down) the navigation tree will display symbols when processors are also included in the tree.
- **Default Refresh Rate:** The refresh rate, expressed in seconds, for the RoomView web interface.
- **Default Culture:** The selection made with this drop down specifies the initial culture setting in the RoomView user profile.
- **Default Time Zone:** The selection made in this drop down specifies the initial time zone setting in the user profile.
- **User Profile Time Zone Warning:** The text in this field will be displayed when the user has not selected a time zone in their profile. The default can be left or it can be edited as desired.
- **Default Time Zone Warning:** The text in this field is used in the warning displayed notifying the user of the default time zone.
- **Room Time Zone Warning:** The text in this field is used in the warning displayed notifying the user of the current room time zone.

Click **Save** if you made changes and then **Exit**. RoomView is ready for use.

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