

Quick Start

# Enhanced Communication Server [ECS] Version 7.0

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# Quick Start

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## WHAT'S INSIDE

The [Enhanced Communication Server \[ECS\] Quick Start](#) provides the basic steps required for getting your ECS up and running. The suggested order of operation is as follows:

- [Licensing \(Standalone version only\)](#)
- [Initial License \(Standalone version only\)](#)
- [Prerequisites \(Standalone version only\)](#)
- [Preparing for Installation](#)
- [Installing an Initial Copy](#)
- [Updating to a Permanent License](#)
- [Upgrade Procedures](#)
- [Uninstalling the ECS \(Standalone Version Only\)](#)
- [ECS Web Interface](#)
- [Default Configuration](#)

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**Note** For more detailed information, refer to the installation and configuration chapters in the [Enhanced Communication Server \[ECS\] User Guide](#).

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## LICENSING (STANDALONE VERSION ONLY)

The ECS supports up to 2,000 calls and 10,000 registrations. You will receive an initial copy of the ECS that supports the number of ports you require.

## INITIAL LICENSE (STANDALONE VERSION ONLY)

The initial license is valid for one month. For information about receiving a permanent license, see the [To update to a permanent licensed copy of the ECS](#) section.

The initial license allows full operation of the ECS for one month from the date of installation. The initial license must be updated to a permanent license at any time during this month.

If you update to a permanent license

- The sales channel of the ECS supplies RADVISION with the customer MAC address at which the ECS is installed. RADVISION then supplies the permanent license number.

or

- You may register at the RADVISION web site (<http://www.radvision.com/CustomerSupport/ProductSupport/ProductRegistration/ECS/EC S+Upgrade.htm>) to receive your permanent license by e-mail.

## PREREQUISITES (STANDALONE VERSION ONLY)

To use the standalone version of the ECS, you require the following:

- Pentium IV at 2 GHz with 512 MB memory (2 GB for 2,000 calls).
- Recommended disk space: 80 MB for installation + 5 GB for the CDR and log files.
- Microsoft Windows 2000 Professional, Windows 2000 Server or Windows 2003 Server.
- Ports 80, 1719 and 1720 must be free.
- Microsoft IIS FTP server.

## PREPARING FOR INSTALLATION

Before installing the standalone software version of the ECS, you should note the following:

- Ensure that you install the SNMP *before* installing the ECS. If not, installation is aborted. For more information about installing the Microsoft SNMP service on Windows 2000 and Windows 2003, see Appendix A of the Enhanced Communication Server [ECS] User Guide.
- ECS installation is on port 80 by default. Port 80 is unavailable to any HTTP server.

Before installing the RADVISION server version or the standalone software version of the ECS, you should note the following

- RADVISION recommends that you do not allow any additional software programs on the ECS host machine.
- You can change the default ECS installation port by modifying the *webs.ini* file located after installation by default at C:\Program Files\RADVISION\Shared Applications\Web Server.

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**Warning** Consult RADVISION Customer Support before installing additional Microsoft software packages.

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## INSTALLING AN INITIAL COPY

### RADVISION SERVER VERSION

The RADVISION server version of the ECS comes pre-installed on the RADVISION.

### STANDALONE VERSION

This procedure describes how to install an initial copy of the ECS.

#### BEFORE YOU BEGIN

Before installing the ECS, you should note the following:

- Ensure that you install the ECS *only* on the local drive and not on the network.
- Ensure that your computer has the required disk space. If not, installation is aborted.
- Ensure that you install the SNMP *before* installing the ECS. If not, installation is aborted.

For more information about installing the Microsoft SNMP service on Windows 2000, see Appendix A of the Enhanced Communication Server [ECS] User Guide.

- ECS installation is on port 80 by default. Port 80 is unavailable to any HTTP server.

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**Warning** Consult RADVISION Customer Support before installing additional Microsoft software packages.

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#### To install an initial copy of the ECS

1. Copy the *RADVISION\_ECS\_Setup.exe* file from the ECS CD-ROM to your local machine, and then run the file.

The **Welcome** screen displays.

2. Click **Next**.  
The **License Agreement** dialog box displays.
3. Select the **I accept the terms of the license agreement** option, and click **Next** to continue.  
The **Setup Type** dialog box displays.
4. To perform the standard installation procedure, select the **Typical** option, and click **Next**.  
The **License Key** dialog box displays.
5. If you have not already received a license key from RADVISION Customer Support, go to [step 6](#).  
If you have already received a version 7.0 license key from RADVISION Customer Support, select the **I have a license key** option and copy your version 7.0 license key into the **Please enter your license key** text box. Then click **Next** and go to [step 7](#).
6. If you have not already received a license key from RADVISION Customer Support, select the **I want to evaluate RADVISION Enhanced Communication Server** option, and select the type of evaluation license required from the drop-down list. Then click **Next**.  
The evaluation license is valid for 30 days only. At the end of the 30-day period, you must update to a permanent license. For more information, see [To update to a permanent licensed copy of the ECS on page 6](#).

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**Warning** Do not install a license for a version of the ECS which supports fewer calls and registrations than your current ECS.

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7. The **Summary** screen displays. Click **Next** to continue.  
Installation begins and the installation status screen displays.
8. When the installation process finishes, the **Installation Complete** screen displays. Click **Finish** to exit the installation wizard.

## UPDATING TO A PERMANENT LICENSE

This procedure describes how you update an initial copy of the ECS to a permanent licensed copy, or update a permanent licensed copy to support more calls and registrations.

### BEFORE YOU BEGIN

Before updating the ECS, you should note the following:

- You must stop the RADVISION Enhanced Communication Server service in the **Services** panel before you begin the update procedure and start the service again after you have completed the update procedure.
- You do not need to reboot your computer after completing the update procedure.



### To update to a permanent licensed copy of the ECS

1. Run the MACFinder executable file located on your ECS CD-ROM.
2. In the RADVISION MAC Address Finder window, click **Show MAC** to display the MAC address of your server.
3. Copy the MAC address to your clipboard and click the link to the RADVISION web site. Complete the form and submit it to RADVISION. A RADVISION representative will send your permanent license to you by e-mail.
4. From the **Start** menu select **Programs > RADVISION > Enhanced Communication**

## Server > RADVISION Enhanced Communication Server License.

The **License Update** dialog box displays.

5. Enter the new license number and select **Update** to display the **License Update** window. If the license number entered is incorrect, the update procedure is aborted.

The licensed number of calls and registrations is displayed.

6. Select **Yes** to continue or **No** to stop the update procedure. If the update is successful, selecting **Yes** opens another **License Update** window. Select **OK** to complete the update procedure.

The update procedure automatically updates a license and retains all configured information.

## UPGRADE PROCEDURES

This section includes the following topics:

- [Upgrading from Version 5.x to Version 7.0](#)
- [Importing Your Saved Configuration](#)

## UPGRADING FROM VERSION 5.X TO VERSION 7.0

Before you begin the upgrade procedure, use the **Export** button in the ECS Administrator toolbar to save your current ECS configuration.

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**Note** RADVISION recommends that no endpoints are registered to the ECS while exporting configuration details including predefined endpoint information.

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## Procedure

1. (Standalone software version) Copy the *RADVISION\_ECS\_Setup.exe* file from the ECS CD-ROM to your local machine, and then run the file.

(RADVISION server version) Start the VNC Viewer and log in to view the RADVISION server. On the RADVISION server, locate and double-click the *RADVISION\_ECS\_Setup.exe* file.

The **Welcome** screen displays.

2. Click **Next**.

The **License Key** dialog box appears showing your existing license key.

Installation begins and the installation status screen displays.

3. When the installation process finishes, the **Installation Complete** screen displays. Click **Finish** to exit the installation wizard.

## IMPORTING YOUR SAVED CONFIGURATION

After the installation process is complete and you have exited the installation wizard, import your saved configuration settings.



## Procedure

1. Click the **Import** button in the ECS Administrator toolbar to restore your saved ECS configuration settings.
2. In the **Import a Configuration File** window, browse to your saved configuration file.
3. Click **Import** to upload your configuration file settings.

## UNINSTALLING THE ECS (STANDALONE VERSION ONLY)

This procedure describes how you uninstall both an initial copy of the ECS and a permanent licensed copy.



### To uninstall the ECS

1. From the **Start** menu select **Settings > Control Panel > Add/Remove Programs**.  
The **Add/Remove Programs Properties** dialog box displays.
2. Select the **Install/Uninstall** tab and from the scrolled list, select RADVISION Enhanced Communication Server.
3. Click **Add/Remove** and then **Yes** to confirm.

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**Note** RADVISION recommends that you reboot your computer after uninstalling the ECS.

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## ECS WEB INTERFACE

To use the ECS Administrator web interface you require the following:

- A Java-compliant web browser. Microsoft Internet Explorer version 5.5 or later is recommended.
- The IP address or name of the RADVISION server and the user name and password of the RADVISION server administrator (RADVISION server version only).

## ACCESSING THE WEB INTERFACE

You access the ECS Administrator web interface for a specific ECS simply by clicking on the IP address of the ECS you want to manage in the **Product Family Entry Point** web interface. A separate window is opened to display the web interface of the ECS you selected.



### To access the ECS Administrator configuration interface

1. In your browser, enter the IP address or the name of the device on which the ECS resides.

For example: **http://125.221.23.44** or **Board\_name**.

Press **Enter** to display the **Login** screen.

2. Enter your user name and password and click **OK** to proceed to the **Product Family Entry Point** web interface. The default user name is *admin* and the default password is null.

The **Product Family Entry Point** interface displays.

3. Click the IP address of the device you want to manage or click **Local Administrator** to access the ECS Administrator configuration interface.

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**Note** If you try to log in as an **Administrator** in the **Login** screen and another **Administrator** is currently logged in, the ECS logs you in as a **Read only** user. **Read only** users cannot modify any of the ECS settings.

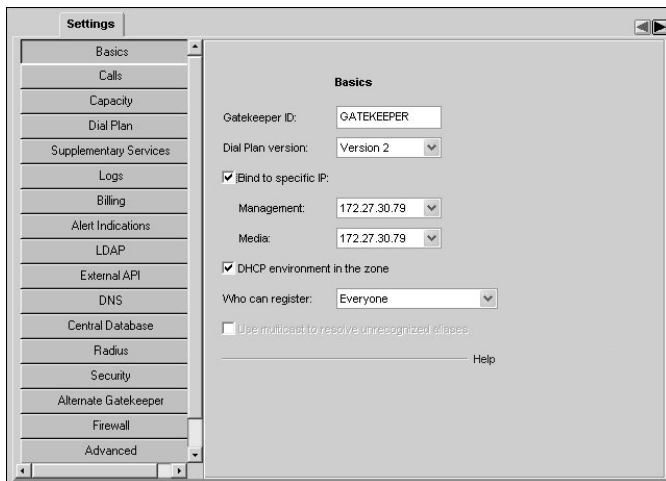
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## DEFAULT CONFIGURATION

The essential ECS Administrator screens that you must configure are the **Basics** and **Calls** sections of the **Settings** tab. The default settings for these screens are shown in [Figure 1](#) and [Figure 2](#).

### BASICS

The **Basics** section of the **Settings** tab enables you to define ECS registration policy and specify the way the ECS resolves addresses.



**Figure 1** Settings Tab: Basics

### WHAT YOU CAN CONFIGURE

The following options are available for configuring basic ECS policies:

## Gatekeeper ID

Enter the ECS identifier name. You can use any combination of characters and/or digits up to a maximum of 64. If you are using LDAP:

- The ECS identifier must be unique for each ECS.
- The ECS identifier must be the same as the name you enter in the **Full name** field in the LDAP Online Information Tree.

## Dial Plan version

Set to **Version 2** by default. Select the version of the Dial Plan you want to use. For more information about version 2 of the Dial Plan, see the Dial Plan section of the Settings Tab chapter and the ECS Dial Plan version 2 appendix of the Enhanced Communication Server [ECS] User Guide.

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**Note** Selecting Dial Plan version 1 disables the **Dial Plan** section of the **Settings** tab and prevents you accessing the hierarchy information configured in the **Dial Plan** section. You can access this information by selecting **Version 2** in the **Dial Plan version** field.

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## Bind to specific IP

Check to enable the ECS to bind to a specific NIC card on the host computer, where the host contains more than one NIC card. Specify the IP address of the required NIC card in the **Management** or **Media** field.

Restart the ECS to apply this setting.

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**Note** When working with two NIC cards in your server, do not disable the IP address belonging to the NIC used for generating the license key.

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For more information, see [Binding to the ECS to a Specific Network Interface Card](#) on page 14.

### DHCP environment in the zone

Select this option to instruct the ECS to refer to the network as a Dynamic Host Configuration Protocol (DHCP) environment. In this environment, IP Policy is dynamic.

### Who can register

Available only if the ECS is licensed to receive registrations. Set to **Everyone** by default. Select the ECS registration policy from the following options in the drop-down list:

- **Everyone** sets an open zone policy that allows the ECS to accept any legal registrations from any endpoint. This is useful for enabling the ECS to operate in a “plug-and-play” mode.
- **Only predefined endpoints** sets a strict zone policy where the ECS only accepts registration from predefined endpoints. This provides tighter control over the usage of network resources and services.
- **No endpoints** sets a closed zone policy that prevents the ECS from accepting any registration. This is useful for the orderly shutdown of the ECS.

### Use multicast to resolve unrecognized aliases

Checked by default. When checked, instructs the ECS to resolve unrecognized aliases by using multicast to send a Location Request message (LRQ) to other gatekeepers. This may be in addition to using unicast. This option is disabled when **Version 2** is selected in the **Dial Plan version** field.

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**Note** Selecting the **Use multicast to resolve unrecognized aliases** option may result in heavy traffic on the IP network due to multicast messages.

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## BINDING TO THE ECS TO A SPECIFIC NETWORK INTERFACE CARD

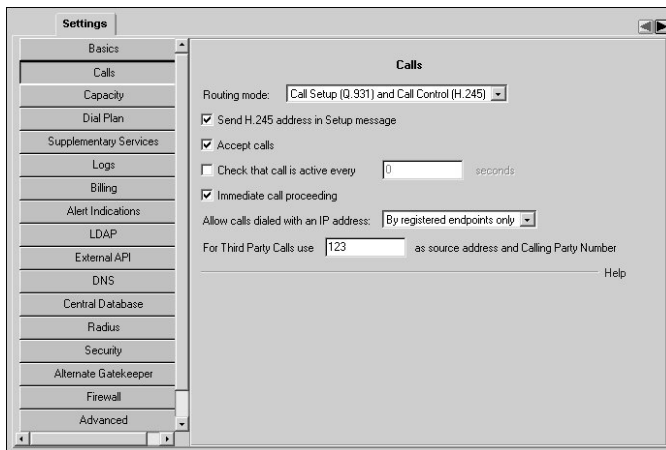


### Procedure

1. Check the **Bind to specific IP** option.
2. Enter the IP address of the management and media NIC cards on the ECS host that you want to bind to.
3. Click **Upload**.
4. If you receive the a warning that IP configuration has changed, go to **Settings > Control Panel > Administrative Tools > Services**.
5. Right-click **SNMP Services** and select **Properties**.
6. Click **Security**.
7. Select **Accept packets from these hosts**.
8. Click **Add**.
9. Enter the IP address of the management NIC cards on the ECS host that you want to bind to.
10. Click **Add**.
11. Click **Apply**.

## CALLS

The **Calls** section of the **Settings** tab enables you to define various call options including call routing modes with or without the H.245 Proxy.



**Figure 2** Settings Tab: Calls

## WHAT YOU CAN CONFIGURE

The following options are available for configuring the **Calls** section:

### Routing mode

Select **Direct** to route calls directly without ECS intervention, **Call Setup (Q.931)** to route the Call Setup channel through the ECS, or **Call Setup (Q.931) and Call Control (H.245)** to enable the H.245 Proxy to route the Call Setup channel and the Control channel through the ECS.

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**Note** Direct call mode forms a connection directly between the Setup and Control channels of two endpoints. In this mode the ECS does not provide call control functions for regular calls. *Regular* calls are calls which are not made to services (such as a gateway or MCU). Direct call mode uses fewer ECS resources.

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**Warning** You must disconnect all calls before modifying the routing mode.

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### Send H.245 address in Setup message

Unchecked by default. Select this option to include the H.245 address allocated by the H.245 Proxy in the outgoing Setup message. Selecting this option enables H.245 channels to connect before the call is actually connected. The **Send H.245 address in SETUP message** field is enabled only when the **Call Setup (Q.931) and Call Control (H.245)** option is selected in the **Routing mode** field.

### Accept calls

Checked by default. Select this option to enable the ECS to accept calls. Clear the checkbox to prevent the ECS accepting calls. This option is only relevant when the Control channel is routed via the ECS. This option is useful for orderly ECS shutdown.

### Check that call is active every *n* seconds

Unchecked by default. Enter an interval value in seconds. This value represents the interval at which the ECS queries whether a call is still active using the H.323 polling mechanism (IRQ/IRR).

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**Warning** Endpoints which do not support IRQ/IRR messages will not respond to H.323 polling. In such cases, the ECS will disconnect calls.

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**Note** The **Check that call is active every *n* seconds** option is enabled only when the **Routing mode** field is set to **Direct**.

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### **Immediate call proceeding**

Checked by default. Select this option to enable the immediate sending of a Call Proceeding message by the ECS during Call Setup for calls that are routed via the ECS. Otherwise, the ECS sends the Call Proceeding message only after the Call Proceeding message arrives from the destination endpoint.

### **Allow calls dialed with an IP address**

Select an option from the drop-down list to instruct the ECS when to block incoming calls dialed using an IP address only, with no alias.

### **For Third Party Calls use ... as source address and Calling Party Number**

Enter the Fixed Calling Party Number alias for calls initiated by the ECS. The alias will appear as the ECS Fixed Calling Party Number in the CDR.

For more information about the Fixed Calling Party Number feature, see Configuring a Fixed Calling Party Number Alias in the Calls section of the Settings Tab chapter of the Enhanced Communication Server [ECS] User Guide.



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#### About RADVISION

RADVISION (NASDAQ: RVSN) is the industry's leading provider of market-proven products and technologies for unified visual communications over IP and 3G networks. With its complete set of standards based video networking infrastructure and developer toolkits for voice, video, data and wireless communications, RADVISION is driving the unified communications evolution by combining the power of video, voice, data and wireless – for high definition video conferencing systems, innovative converged mobile services, and highly scalable video-enabled desktop platforms on IP, 3G and emerging next generation networks. For more information about RADVISION, visit [www.radvision.com](http://www.radvision.com)

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