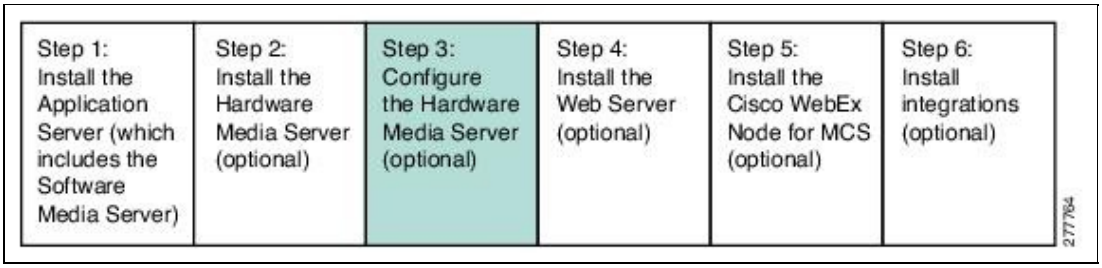
Main page: Cisco Unified MeetingPlace, Release 8.0

Up one level: Installation, Upgrade and Migration



- This is step 3 of the installation and configuration process. See the Quick Start for Installing and Configuring Cisco Unified MeetingPlace Release 8.0 module for information about the order in which to install and configure the Cisco Unified MeetingPlace Release 8.0 components.
- The steps in this module are optional and should only be performed if you are installing a Hardware Media Server and not an Express Media Server. (You selected the type of media server when you installed the Application Server.)

You perform initial monitoring and administration of the Cisco Unified MeetingPlace 3500 Series Media Server from a remote PC via a serial connection. This allows you to access the boot configuration menu of the Cisco Unified MeetingPlace 3500 Series Media Server. At power-up, the Cisco Unified MeetingPlace 3500 Series Media Server goes through the following boot phases:

- Auto-boot- The embedded operating system initializes and displays basic information.
- Configuration menu- A six-second countdown allows you to enter the configuration menu.
- Initialization- The Cisco Unified MeetingPlace 3500 Series Media Server completes its boot sequence and is ready for operation.

Note: You can perform serial port configuration of the Cisco Unified MeetingPlace 3500 Series Media Server only at startup, during a short period indicated by a six-second countdown. Once the initialization phase is complete, the only way you can access the configuration menu is by restarting the Cisco Unified MeetingPlace 3500 Series Media Server.

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Accessing the Audio Blade Using a Serial Port

The PC terminal must have a terminal emulation application, such as HyperTerminal, installed on it.

Procedure

1. Turn on the power to the Audio Blade.
2. Locate the RS-232 terminal cable that shipped with the Cisco Unified MeetingPlace 3500 Series Media Server.
3. Connect the end labeled PC to the serial port on the computer.

4. Connect the end labeled Unit to the upper serial port connector on the front panel of the Audio Blade.
5. Start the terminal emulation application (such as Hyper Terminal) on the PC.
6. Set the communication settings in the terminal emulation application as follows:
    - Baud rate: 57600
    - Data bits: 8
    - Parity: None
    - Stop bits: 1
    - Flow control: None
7. Select **OK**.
    The system displays a log of the auto-boot events.
8. Press **Enter** a few times to bring up the command prompt.
    You can now enter commands.
9. Enter **modifyTargetDevice**.
    The system displays the network configuration Main menu as follows:
    ```
    Main menu
    N: Configure default network port values
    P: Change the configuration software password
    S: Configure network security mode
    T: Configure TFTP server
    A: Advanced configuration menu
    Q: Quit
    Select:
    ```
10. Enter **Q** to save your changes and reboot the Audio Blade.
    Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Setting Network Values for the Audio Blade

Use the serial port on the front panel of the Audio Blade to assign a new IP address to your Audio Blade. You can assign the IP address before or after you connect the Audio Blade to the network.

Before You Begin

Determine the following:

- Dedicated IP address for the Audio Blade
- IP address of the default router that the Audio Blade uses to communicate over the network
- Subnet mask for the Audio Blade (if applicable)
- Domain Name Server and domain name for the Audio Blade (if applicable)

Procedure

1. Access the Audio Blade using a serial port.
2. Enter **modifyTargetDevice**.
    The system displays the network configuration Main menu as follows:
    ```
    Main menu
    ```

```
N: Configure default network port values
P: Change the configuration software password
S: Configure network security mode
T: Configure TFTP server
A: Advanced configuration menu
Q: Quit
Select:
```

3. Enter **N**.
4. Enter the IP address that you want to assign to the Audio Blade when you see the prompt to enter the IP address for interface number 1.
   Note: Do not use leading zeros in the IP address.
5. Enter the IP address of the router that you want the Audio Blade to use when you see the prompt to enter the default router IP address.
   Note: Do not use leading zeros in the IP address.
6. Enter the subnet mask in decimal form when you see the prompt to enter the IP mask. Press **Enter** if you are not using a subnet mask.
   The system updates the boot line parameter and reboots. The system starts a new emulator session.
7. Enter **Q** to save your changes and reboot the Audio Blade.
   Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Related Topics

- Accessing the Audio Blade Using a Serial Port

Setting Ethernet Speed and Duplex Values for the Audio Blade

Note: We recommend that you manually set these parameters so that the Audio Blade uses auto negotiation and full duplex settings. The auto negotiation setting is the only option that works with 1000 Mbps. The same speed and duplex settings should be applied on both the Audio Blade and the network switch; otherwise, the Audio Blade will not be accessible on the network.

Procedure

1. Access the Audio Blade using a serial port.
2. Enter **modifyTargetDevice**.
   The system displays the network configuration Main menu as follows:

```
Main menu
N: Configure default network port values
P: Change the configuration software password
S: Configure network security mode
T: Configure TFTP server
A: Advanced configuration menu
Q: Quit
Select:
```

3. Enter **A**.
4. Enter **3** to select Change LAN Port Settings.
5. Enter one of the following, depending on your settings:
   - **1** - 10 Mbps Half Duplex
   - **2** - 100 Mbps Half Duplex
   - **3** - 10 Mbps Full Duplex
   - **4** - 100 Mbps Full Duplex
   - **5** - Auto
   - **Q** - Quit

   The default setting is **5** - Auto, which is also the only setting that works with 1000 Mbps.
6. Enter **Q** to save your changes and reboot the Audio Blade.

   Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Related Topics

- Accessing the Audio Blade Using a Serial Port

Connecting the Audio Blade to the LAN

To connect the Audio Blade to the LAN, connect the supplied LAN cable from your network switch to the 10/100/1000 Mbps Ethernet port on the front panel of the Cisco Unified MeetingPlace 3500 Series Media Server. The 10/100/1000 Mbps port accepts an RJ-45 connector.

Note: For the Cisco Unified MeetingPlace 3545 Media Server, connect the cable to Ethernet port 1, which is the port on the right.

Accessing the Audio Blade Main Menu via Telnet

Once you have established network connectivity, you can use Telnet to connect to the Audio Blade to remotely administer the blade or view events on the blade.

Procedure

1. Go to **Start > Run** on your PC.
2. Enter **cmd**.
3. Enter **telnet** *IP_address_of_the_blade*, where *IP_address_of_the_blade* is the IP address of the blade that you wish to configure.
4. Enter the user name for this blade.
5. Enter the password for this blade.
6. Enter **modifyTargetDevice**.
7. Press **Enter** to view the network configuration Main menu.

Changing the Password for the Audio Blade

Use the user name and password to access the configuration web page for the Audio Blade. This user name and password are also used for the following:

- Starting a Telnet session to monitor the Audio Blade
- Upgrading the Audio Blade software

The default user name is *admin*. The default password is *password*.

Procedure

1. Access the Audio Blade using a serial port.
2. Enter **modifyTargetDevice**.
   The system displays the network configuration Main menu as follows:
   ```
   Main menu
   N: Configure default network port values
   P: Change the configuration software password
   S: Configure network security mode
   T: Configure TFTP server
   A: Advanced configuration menu
   Q: Quit
   Select:
   ```
3. Enter **P**.
4. Enter the name "admin."
5. Enter the password that you want to use.
   Note: We recommend that you change the default password to a strong password.
6. Enter **Q** to save your changes and reboot the Audio Blade.
   Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Related Topics

- Accessing the Audio Blade Using a Serial Port

Setting Values for the Video Blade

- Accessing the Video Blade Using a Serial Port
- Setting the IP Address for the Video Blade
- Pointing the Video Blade to the Controlling Audio Blade
- Changing Advanced Configuration Settings for the Video Blade
- Connecting the Video Blade to the LAN
- Accessing the Video Blade Main Menu via Telnet
- Changing the Configuration Software User Name and Password for the Video Blade
- Changing the Security Level of the Video Blade

Accessing the Video Blade Using a Serial Port

The PC terminal must have a terminal emulation application, such as HyperTerminal, installed on it.

Procedure

1. Locate the RS-232 terminal cable that shipped with the Cisco Unified MeetingPlace 3500 Series Media Server.
2. Connect the end labeled PC to the serial port on the computer.
3. Connect the end labeled Unit to the upper serial port connector on the front panel of the Audio Blade.
4. Connect the power cable.
5. Start the terminal emulation application (such as Hyper Terminal) on the PC.
6. Set the communication settings in the terminal emulation application as follows:
    - Baud rate: 57600
    - Data bits: 8
    - Parity: None
    - Stop bits: 1
    - Flow control: None
7. Select **OK**.
8. Turn on the power to the Video Blade.
   The system displays a log of the auto-boot events.
9. Press the enter key a few times to bring up the command prompt.
   You can now enter commands.
10. Press any key as soon as you see the message "Press any key to start configuration" on the screen. You only have six seconds.
    The system displays the network configuration Main menu as follows:
    ```
    Main menu
    N: Configure default network port values
    P: Change the configuration software password
    S: Configure network security level
    M: Change Media Controller (MCU\GW) IP address
    R: Enable/Disable RS232 Console
    A: Advanced configuration menu
    Q: Quit
    Select:
    ```
11. Enter **Q** to save your changes and to allow the Video Blade to complete the boot process.
    Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Setting the IP Address for the Video Blade

The IP address of the Video Blade must be different than the IP address configured for the Audio Blade.

For the Cisco Unified MeetingPlace 3515 Media Server, you use the lower serial port on the front panel of the Media Server to access the console, in order to assign an IP address to a new Video Blade. You can

assign the IP address before or after you connect the hardware to the network. The IP address is associated with the network port.

For the Cisco Unified MeetingPlace 3545 Media Server, you use the serial port on the front panel of the Video Blade to assign an IP address to a new Video Blade. You can assign the IP address before or after you connect the hardware to the network.

Procedure

1. Access the Video Blade using a serial port.
2. Enter **modifyTargetDevice**.
   The system displays the network configuration Main menu as follows:
   ```
   Main menu
   N: Configure default network port values
   P: Change the configuration software password
   S: Configure network security level
   M: Change Media Controller (MCU\GW) IP address
   R: Enable/Disable RS232 Console
   A: Advanced configuration menu
   Q: Quit
   Select:
   ```
3. Enter **N** to configure the default network port values.
4. Enter the IP address that you want to assign to the Video Blade followed by the subnet mask, in the format *IP_address:subnet_mask*. The subnet mask IP must be a decimal number.
5. Enter the IP address of the default gateway that you want the Video Blade to use.
   Allow the Cisco Unified MeetingPlace 3500 Series Media Server to complete the reboot process. A new emulator session begins.
6. Enter **Q** to save your changes and reboot the Video Blade.
   Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Related Topics

- Accessing the Video Blade Using a Serial Port

Pointing the Video Blade to the Controlling Audio Blade

Note: You cannot point more than four Video Blades to an Audio Blade. The system ignores any extra Video Blades.

Procedure

1. Access the Video Blade using a serial port.
2. Enter **modifyTargetDevice**.
   The system displays the network configuration Main menu as follows:
   ```
   Main menu
   N: Configure default network port values
   P: Change the configuration software password
   S: Configure network security level
   M: Change Media Controller (MCU\GW) IP address
   R: Enable/Disable RS232 Console
   A: Advanced configuration menu
   Q: Quit
   Select:
   ```
3. Enter **M**.
4. Enter the IP address of the Audio Blade to which you want to attach.
5. Enter **Q** to save your changes and reboot the Video Blade.
   Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Related Topics

- Accessing the Video Blade Using a Serial Port

Changing Advanced Configuration Settings for the Video Blade

You can use the serial port to change the following advanced configuration settings:

- Web server port (for future use)
- Restore factory configuration (for future use)
- LAN port settings
- Disable DSP reset

Procedure

1. Access the Video Blade using a serial port.
2. Enter **modifyTargetDevice**.
   The system displays the network configuration Main menu as follows:
   ```
   Main menu
   N: Configure default network port values
   P: Change the configuration software password
   S: Configure network security level
   M: Change Media Controller (MCU\GW) IP address
   R: Enable/Disable RS232 Console
   A: Advanced configuration menu
   Q: Quit
   ```

`Select:`

3. Enter **A**.
4. Enter **1** to configure the web server port.
   The system displays the current web port server setting and returns you to the Advanced Configuration menu.
5. Enter **2** to restore the factory configuration settings.
   The system asks you to confirm your choice.
6. Enter **y**.
   The system returns you to the Advanced Configuration menu.
7. Enter **3** at the prompt to change Ethernet speed and duplex parameters.
8. Enter one of the following, depending on your settings:
   - **1** - 10 Mbps Half Duplex
   - **2** - 100 Mbps Half Duplex
   - **3** - 10 Mbps Full Duplex
   - **4** - 100 Mbps Full Duplex
   - **5** - Auto

   The system returns you to the Advanced Configuration menu.
9. Enter **4** at the Main network configuration menu prompt to disable the DSP reset facility.
   Note: Only qualified technical personnel should modify the DSP reset function settings.
   The system returns you to the Main network configuration menu.
10. Enter **Q** to save your changes and reboot the Video Blade.
    Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Related Topics

- Accessing the Video Blade Using a Serial Port

Connecting the Video Blade to the LAN

To connect the Video Blade to the LAN, connect the supplied LAN cable from your network switch to the 10/100 Mbps Ethernet port on the front panel of the Video Blade. The 10/100 Mbps port accepts an RJ-45 connector.

Accessing the Video Blade Main Menu via Telnet

Once you have established network connectivity, you can use Telnet to connect to the Video Blade to remotely administer the blade or view events on the blade.

Procedure

1. Go to **Start > Run** on your PC.
2. Enter **cmd**.

3. Enter **telnet** *IP_address_of_the_blade*, where *IP_address_of_the_blade* is the IP address of the blade that you wish to configure.
4. Enter the user name for this blade.
5. Enter the password for this blade.
6. Enter **modifyTargetDevice**.
7. Press **Enter** to view the network configuration Main menu.

Changing the Configuration Software User Name and Password for the Video Blade

Procedure

1. Access the Video Blade using a serial port.
2. Enter **modifyTargetDevice**.
   The system displays the network configuration Main menu as follows:
   ```
   Main menu
   N: Configure default network port values
   P: Change the configuration software password
   S: Configure network security level
   M: Change Media Controller (MCU\GW) IP address
   R: Enable/Disable RS232 Console
   C: Enable/Disable Strong Password
   A: Advanced configuration menu
   Q: Quit
   Select:
   ```
3. Enter **P**.
4. Enter a user name.
5. Enter the password that you want to use.
   Note: We recommend that you change the default password to a strong password.
6. Press any key to return to the Video Blade Main menu.
7. Enter **Q** to save your changes and reboot the Video Blade.
   Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Related Topics

- Accessing the Video Blade Using a Serial Port

Changing the Security Level of the Video Blade

The security levels are as follows:

- 0 (low)-Allows Telnet, FTP and Internet Control Message Protocol (ICMP) to access the Video Blade.
- 1 (medium)-Allows only ICMP access to the Video Blade.
- 2 (high)-Allows no access to the Video Blade.

Procedure

1. Access the Video Blade using a serial port.
2. Enter **modifyTargetDevice**.
   The system displays the network configuration Main menu as follows:
   ```
   Main menu
   N: Configure default network port values
   P: Change the configuration software password
   S: Configure network security level
   M: Change Media Controller (MCU\GW) IP address
   R: Enable/Disable RS232 Console
   C: Enable/Disable Strong Password
   A: Advanced configuration menu
   Q: Quit
   Select:
   ```
3. Enter **S**.
4. Enter the new security level.
   The system displays the updated security level and then displays the Video Blade Main menu.
5. Enter **Q** to save your changes and reboot the Video Blade.
   Note: If you enter Q, the blade reboots, which affects all users who are currently on the blade. If you need to exit without saving your changes, and without rebooting, enter **Ctrl-C** instead.

Related Topics

- Accessing the Video Blade Using a Serial Port