Job Aid

Pre-Installation Information--S8700 Multi-Connect

Avaya S8700 Media Server for Multi-Connect Configuration

This job aid provides information, hardware, and tools required for installing an Avaya S8700 Media Server for Multi-Connect Configuration. It covers the following items:

- Required information
- Site Requirements
- Required hardware
- Computer specifications

Required information

Before going on site, make sure the customer has a local area network set up and running and a network administrator available the day of the installation. Before beginning the process, refer to the filled-out job aid entitled *Pre-Installation Network Worksheet—S8700 Multi-Connect*.

If the customer has a maintenance contract with Avaya, use the following return route IP addresses and subnet masks.

Table 1. Avaya-provided services return routes

Information	IP address	Subnet mask
Services return route for PPP dial-up connection (if Avaya supports)	135.9.0.0 135.17.0.0 135.39.0.0 135.60.0.0 198.152.171.0 198.152.171.0	255.255.0.0 255.255.0.0 255.255.0.0 255.255.0.0 255.255.255.0 255.255.255.0

Site Requirements

The Avaya S8700 Media Server for Multi-Connect Configurations is designed to be mounted in a standard 19-inch (48 cm) *open* data rack—not a cabinet. We do not recommend a rack cabinet.

The customer is responsible for providing sturdy racks built to the EIA 310D (or equivalent) standard and installing, securing, and grounding them per local code and rack specifications *before* the equipment is mounted in them. The customer must also provide AC power to the rack from a non switched outlet.

Specifications for the Avaya Media Gateway

The Avaya Media Gateway(s) should be installed in a well-ventilated area. Maximum equipment performance is achieved at an ambient temperature between 40 and 120 degrees F (4 and 49 degrees C) for a short-term operation (not more than 72 consecutive hours or 15 days in a year) and up to 110 degrees F (43 degrees C) for continuous operation. The relative humidity range is 10 to 95% at up to 84 degrees F (29 degrees C).

The other Environmental Considerations and System Protection requirements described in the Online Guide ***Avaya MultiVantage Solutions Hardware Guide*** under "Site Requirements" apply to the Avaya Media Server for Multi-Connect configurations.

Required hardware

Before beginning the process, make sure you have the hardware listed in Table 2 on hand.

Table 2. List of Required Hardware

Comcode	Description	Number
700169246	Avaya S8700 Media Server	2
408357002 408427409 700181928	Powerware 9125 uninterruptible power supply (UPS) – US & Canada – International – Japan	2
700230733 700230741	Rail kits for mounting UPSs in rack – 2-post rack (Powerware code: 05141562-0021) – 4-post rack (Powerware code: 05146726-5501)	2
408427656	SNMP Network Interface Adapters for UPS	2
108563123 108644451	10/100BaseT Ethernet switch – Cajun Ethernet P333 switch – Cajun Ethernet P334 switch	1 or more
700169121	External V.90 56K USB modem with cable (if used)	2
7001xxx	128-MB PCMCIA PCCARD flashdisk (formatted)	2

Table 2. List of Required Hardware — *Continued*

Comcode	Description	Number
700170012 700178056 700178064	Green CAT5 Ethernet cables – 5-meter (16 feet) – 25-meter (82 feet) – 50-meter (164 feet)	 4 2-44 2-44
700169998	Blue CAT5 Ethernet crossover cable for duplication	1
700179898	Yellow multi-mode fiber optic cable	1
700170053	Black CAT5 Ethernet crossover cable for laptop computer	1
J58890X-1, List 1, 4	Avaya Media Gateway	1-44
108774696	TN2312AP IP Server Interface circuit pack	1-44
700071251	IPSI Amphenol adapter (New installation only)	1/IPSI
700055015	TN799DP Control LAN circuit pack (if needed)	1-64
102631413	Control Lan Amphenol adapter (259A)	1/CLAN
108774696	TN2302AP IP Media Processor circuit pack	1-200
848525887	Media Processor Amphenol adapter	1/MedPro
700168727	Cable - IPSI to Maintenance MCC A carrier (Migration only)	1-44
700168735	Cable - IPSI to Maintenance MCC B carrier to A carrier (Migration only)	1-44
700168727	Cable - IPSI to Maintenance SCC A carrier (Migration only)	1-44
700168834	Cable - IPSI to Maintenance SCC B cabinet to A cabinet (Migration only)	1-44

Computer specifications

The computer used for configuring the hardware must have the following minimum specifications:

- Windows 95/98/NT4.0/2000/ME operating system
- 32-MB RAM
- 40-MB available disk space
- RS-232 port connector
- Network interface card (NIC) with a 10/100 BaseT Ethernet interface
- Ethernet crossover cable (MDI to MDI-X)
- CD-ROM drive

It must also have the following software installed:

- FTP program
- Telnet program
- Terminal emulation program, such as HyperTerminal
- TCP/IP networking software (comes with Windows OS)
- Web browser (Netscape 4.7.x [Netscape 6 is not currently supported] or Internet Explorer 5.x or higher only)

It must have the following files available:

- License and password files. These must be downloaded from the Remote Feature Activation (RFA) website.

The terminal emulation program port settings must be configured as follows:

- 9600 baud rate
- No parity
- 8 bits
- 1 stop bit

Network Configuration

A new network connection must be configured on a computer that will be connected to the services port as follows:

NOTE:
Write down the original settings from the computer in case you need to change them back.

Windows 95/98/NT4.0/ME

1. On your desktop right-click **Network Neighborhood > Properties** to display the Network dialog box.
2. In the window select the TCP/IP that corresponds to your Ethernet card.
3. Click **Properties**.
4. Select **Specify an IP address**:
5. IP address: 192.11.13.5
6. Subnet Mask: 255.255.255.252
7. Click **OK, OK** to accept the information and close the windows.
8. Reboot the computer to effect the changes.

Windows 2000/XP instructions:

//verify. didn't work for my W2000 laptop//

1. On your desktop (under Start for XP) right-click **My Network Places > Properties** to display the Network and Dial-up Connections window.

   Windows 2000 should have automatically detected the Ethernet card in your system and created a LAN connection for you. More than one connection may appear.
2. Right-click on the correct **Local Area Connection > Properties** to display the Local Area Connection Properties dialog box.
3. Select Internet Protocol (TCP/IP).
4. Click the Properties button to display the Internet Protocol (TCP/IP) Properties dialog box.
5. On the General tab, select "Use the following IP address." Enter the following:

   IP address: 192.11.13.5

   Subnet mask: 255.255.255.252 ***//no place to enter this info//***

   Make a note of any IP addresses or other entries that you have to clear. You may need to restore them later to connect to another network.
6. Select "Use the following DNS server addresses." The entries for Preferred DNS server and Alternate DNS server should both be blank.
7. Click the Advanced button at the bottom of the dialog box to display the Advanced TCP/IP Settings dialog box.

8. Click the **DNS** tab. Make sure no DNS server is administered (the address field should be blank).

   If you have to clear any DNS or WINS entries, make a note of them in case you need to restore them later (for example, if your laptop is also used to access any other Ethernet network.

9. Click the **WINS** tab. Make sure WINS is not administered (the address field should be blank).
10. Click **OK**. If warned about an empty primary WINS address, click Yes to continue.
11. Click **OK**, **OK** to accept the address information and close the TCP/IP and Local Area Connection Properties dialog boxes.
12. Reboot the computer if directed to do so.

From now on, the Network and Dial-up Connections window should show the status of the Local Area Connection as Enabled (when the laptop's Ethernet cable is connected to the server), or unplugged (if the NIC is not connected to anything).

Browser Configuration

Configure the browser for a direct connection to the Internet. Do not use proxies.

For MS Internet Explorer

1. Open Internet Explorer.
2. Select **Tools > Internet Options**.
3. Select the **Connections** tab.
4. Click **LAN settings**.
5. If **Use a proxy server** is selected, deselect it.
6. Click **OK**, **OK** to close the Internet Options window.

For Netscape

1. Open Netscape.
2. Select **Edit > Preferences > Advanced > Proxies**.
3. Select **Direct connection to the Internet**.
4. Click **OK** to close the Properties window.