IBM Channel Attachment Commands

This chapter describes the function and displays the syntax of each IBM Channel Attachment command. For more information about defaults and usage guidelines, see the corresponding chapter of the *Router Products Command Reference* publication.

claw *path device-address ip-address host-name device-name host-app device-app*

Use the **claw** interface configuration command to establish the IBM channel attach configuration for an ESCON Channel Adapter (ECA) interface or Bus and Tag Parallel Channel Adapter (PCA) interface on the Cisco 7000 series. This command defines information that is specific to the interface hardware and the IBM channels supported on the interface.

path	A hexadecimal value in the range of 0x0000 – 0xFFFF. This value specifies the data path and consists of two digits for the physical connection (either on the host or on the ESCON Director switch), one digit for the control unit address, and one digit for the channel logical address. If not specified, the control unit address and channel logical address default to 0.
device-address	A hexadecimal value in the range of 0x00 – 0xFE. This is the unit address associated with the control unit number and path as specified in the host IOCP file. The device address must have an even value.
ip-address	The IP address specified in the host TCPIP application configuration file.
host-name	The host name specified in the device statement in the host TCPIP application configuration file.

device-name	The CLAW workstation name specified in the device statement in the host TCPIP application configuration file.
host-app	The host application name specified in the host application file. When connected to the IBM TCP host offerings, this value will be **TCPIP**, which is the constant specified in the host application file. Otherwise, this value must match the value hard-coded in the host application.
device-app	The CLAW workstation application specified in the device statement in the host TCPIP application configuration file. For the initial release of IBM channel attach support, this value will be **TCPIP**, which is a constant specified in the host application file.

channel-protocol [**s** | **s4**]

Use the **channel-protocol** interface configuration command to define a data rate of either 3 megabytes per second or 4.5 megabytes per second for the Parallel Channel Adapter (PCA) daughter card on a Cisco 7000 series router.

s	(Optional) Specifies a data rate of 3 megabytes per second.
s4	(Optional) Specifies a data rate of 4.5 megabytes per second.

interface channel *slot* / *port*

Use the **interface channel** interface configuration command to enter interface configuration mode. This command is used only on the Cisco 7000 series.

slot	On the Cisco 7000 series, specifies the slot number where the CIP is located.
port	On the Cisco 7000 series, specifies the port number where the CIP is located.

show extended channel *slot* /*port* **statistics** [**path** [*device-address*]]

Use the **show extended channel statistics** privileged EXEC command to display information about the channel interface processor (CIP) interfaces on the Cisco 7000 series. This command displays information that is specific to the interface hardware. The information displayed is generally useful for diagnostic tasks performed by technical support personnel only.

slot	On the Cisco 7000 series, specifies the slot number.
port	On the Cisco 7000 series, specifies the port number.
path	(Optional) This keyword is required if a value is specified for *device-address*. A hexadecimal value in the range of 0x0000 – 0xFFFF. This specifies the data path and consists of two digits for the physical connection (either on the host or on the ESCON Director switch), one digit for the control unit address, and one digit for the channel logical address. If not specified, the control unit address and channel logical address default to 0.
device-address	(Optional) A hexadecimal value in the range of 0x00 – 0xFE. This is the unit address associated with the control unit number and path as specified in the host IOCP file. The device address must have an even value.

show extended channel *slot* /*port* **subchannel**

Use the **show extended channel subchannel** privileged EXEC command to display information about the channel interface processor (CIP) interfaces on the Cisco 7000 series. This command displays information that is specific to the interface hardware. The information displayed is generally useful for diagnostic tasks performed by technical support personnel only.

slot	On the Cisco 7000 series, specifies the slot number.
port	On the Cisco 7000 series, specifies the port number.

show interfaces channel [*slot* / *port*]

Use the **show interfaces channel** privileged EXEC command to display information about the channel interface processor (CIP) interfaces on the Cisco 7000 series. This command displays information that is specific to the interface hardware. The information displayed is generally useful for diagnostic tasks performed by technical support personnel only.

slot	(Optional) On the Cisco 7000 series, specifies the slot number.
port	(Optional) On the Cisco 7000 series, specifies the port number.