

Cisco IOS Software Commands for Cisco AS5800 Hardware Inspection

Document ID: 14950

Introduction

Prerequisites

Requirements

Components Used

Conventions

Preparation

Cisco IOS Command Line Interface (CLI) Script

Command Descriptions

Related Information

Introduction

This document shows you how to collect Cisco AS5800 Universal Access Server hardware data for analysis. The logs collected can be used to assist with technical support.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on these software and hardware versions:

- Cisco IOS® Software Release 12.0T
- Cisco AS5800 Universal Access Server

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Preparation

To capture all log messages on the router shelf, complete the following steps:

1. Telnet to the Cisco AS5800 and enter privilege mode (you can also access the server through the AUX or console port).
2. Enable logging on the terminal emulator on the PC. Consult your terminal emulator documentation for the correct procedure (ensure word wrap is ON).

3. Follow the commands below.

Notes:

- ◆ Ensure logging is not turned on for the line from which you are collecting output (use the **show logging** command).
- ◆ You must be in privilege EXEC mode to use the **show running-config** and **execute-on slot slot-number** commands.
- ◆ The commands are divided into three logical sections: router shelf, dial shelf connection, and dial shelf controllers (DSC) inspection commands.

Cisco IOS Command Line Interface (CLI) Script

```
terminal length 0

show version
show debugging
show logging
show diag
show running-config
show dial-shelf
show dsi
show modem version

execute-on slot 12 show version
execute-on slot 12 show running-config
execute-on slot 12 show diag
execute-on slot 12 show processes memory

execute-on slot 13 show version
execute-on slot 13 show running-config
execute-on slot 13 show diag
execute-on slot 13 show processes memory
```

Command Descriptions

- **terminal length number** – Sets the number of lines for the current terminal session.
 - **show dial-shelf** – Displays information about the dial shelf.
 - **execute-on slot slot-number** – Executes a command on a DSC in the dial shelf. The DSC can be in slot 12 or 13.
 - **show logging** – Displays the addresses and levels associated with the current logging configuration, statistics, and buffer.
 - **show debugging** – Displays information about the debug commands that are enabled on the router.
 - **show dsi** – Displays information about the dial shelf interconnect (DSI) hardware, interface, physical link, peripheral component interconnect (PCI) registers, and address filters. The DSI port adapter allows data transfers between the dial shelf and the router shelf.
 - **show diag slot-number [details] [summary]** – Displays hardware information including dynamic RAM (DRAM) and static RAM (SRAM) on the line cards. Use this command to determine the type of hardware installed in your router.
 - **show modem version** – Displays version information about the modem firmware, controller and digital signal processor (DSP) code (for 56 K modems only), and boot code.
 - **show processes memory** – Displays the memory used for each Cisco IOS process.
-

Related Information

- **Cisco AS5800 Universal Access Servers**
 - **Cisco AS5800 Universal Access Servers Software Documentation**
 - **Cisco AS5800 Documentation**
 - **Dial Case Study Overview**
 - **Commissioning the Cisco AS5800 Hardware**
 - **Access Product Support Pages**
 - **Technical Support & Documentation – Cisco Systems**
-

[Contacts & Feedback](#) | [Help](#) | [Site Map](#)

© 2008 – 2009 Cisco Systems, Inc. All rights reserved. [Terms & Conditions](#) | [Privacy Statement](#) | [Cookie Policy](#) | [Trademarks of Cisco Systems, Inc.](#)

Updated: Jul 06, 2007

Document ID: 14950
