



TelePresence

Connecting RS232 Console Cable to Codian MCU to
Capture Logging

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Connecting RS232 Console Cable to Codian MCU to Capture Logging

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Introduction

This document provides instructions for connecting an RS232 console cable to a Codian MCU to capture logging.

1.1 Release Notes

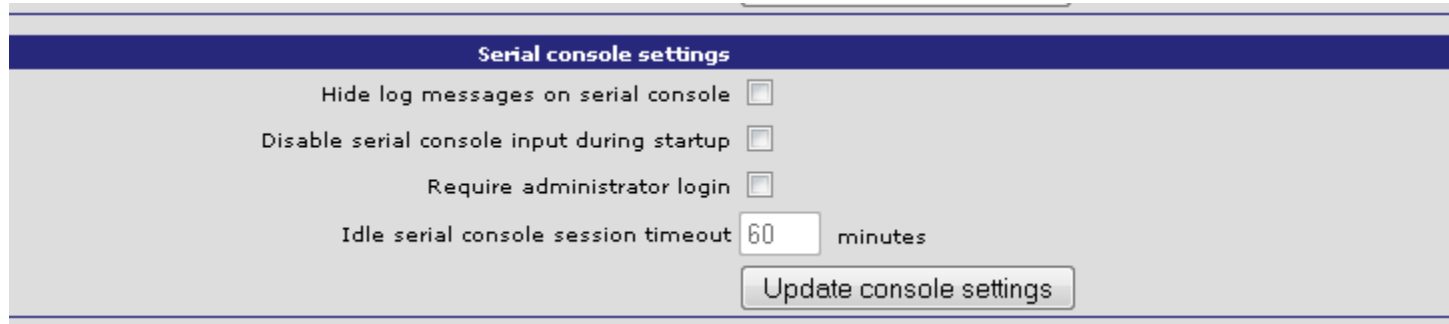
Table 1 - Release Notes

Technical Change	Title(s) of Affected Section(s)	Changes Made By	Date
Initial Release		Matt Limbrick and Fred Ambiso	9/5/2012

2 Turning off Serial Console Settings

Make sure to point the capture output to a desktop file of some sort in order to capture logging.

In order to capture this logging, it is important that the user turn off some settings located under **Settings>Security**, or the output will not make it to the console.



3 Connecting an RS232 console cable to a Codian MCU to capture logging

To connect an RS232 console cable to a Codian MCU to capture logging, complete the following steps:

1. Make sure the power is connected to the unit and the Status LED is green.
2. Connect the console port of the unit to the serial port of your PC using the RJ45 to DB9 cable supplied.

NOTE: If the Blue Codian serial Cable is not available, use the following cable pin-out:

Male RJ45 pin	connects to	Female DB9 pin
1	<-->	8
2	<-->	6
3 MCU TX	<-->	2
4 GND	<-->	5
5 GND	<-->	5
6 MCU RX	<-->	3
7	<-->	4

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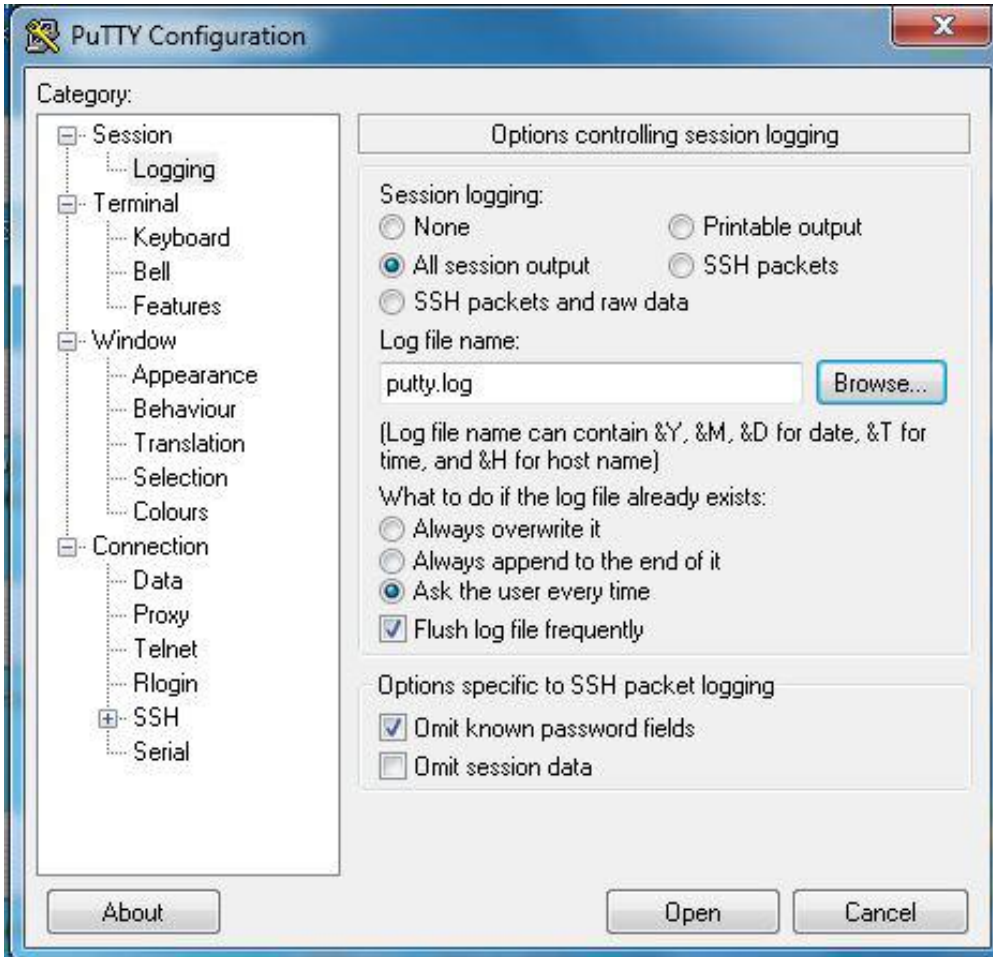
NOTE: In the DB9 connector, pin 5 has two connections, and pins 1 and 9 have no connection.

3.1 Using a Serial Terminal Program to Connect

Use a serial terminal program, such as Windows HyperTerminal or PuTTY to connect to the unit:

1. Open a Secure Shell (SSH) session using an SSH client such as PuTTY (publicly available for free download).
2. Login as `admin`.

Example 1: Example of a PuTTY Session



3. Make sure you setup your terminal client to capture all data output to a file.
4. Set your terminal client to the following settings:
 - Baud rate: 38400
 - Data bits: 8
 - Parity: none
 - Stop bits: 1
 - Flow control: none
5. Press **Enter** and the command prompt is displayed on the terminal.
6. Reboot the MCU while your terminal client is still running.
7. You see digital signal processors (DSPs) start to boot then **Event Logs** are captured. Once the logs seem to calm down and the system appears fully booted, end capturing, (**ctrl+c**) for PuTTY. See the example following step 8.
8. Forward the log output back to Cisco TAC for further evaluation.

Example 2: PuTTY RS232 Connection during an MCU reboot:

```
===== PuTTY log 2012.05.15 07:57:10 =====  
075636.666 NTP : Info : time is Tue May 15 07:56:36 2012
```

```
MSE 8050:> shutdown  
shutting down  
MSE 8050:> 075718.070 SYSTEM : Info : shutdown monitor - shutdown initiated  
075718.071 SYSTEM : Info : shutdown process - all priority 100 handlers complete  
075718.178 SYSTEM : Info : shutdown process - all priority 200 handlers complete  
075718.178 SYSTEM : Info : shutdown process - shutdown complete
```

```
MSE 8050:> s[Kreboot  
May 15 07:57:24 reboot: rebooted by root
```

```
syncing disks... done
```

```
rebooting
```

```
*** (C) Codian Ltd 2004-2005 ***
```

```
Resetting PCI  
Calling Mpc107init  
Mpc107init done  
Testing SDRAM data lines ... ok  
Testing SDRAM address lines ... ok  
Relocating .text from FFF00000-FFF0B36E to 0E010000  
Relocating .data from FFF0B380 to 0E01B380-0E01B7C8  
Clearing .bss from 0E01B7C8-0E09EDA4  
Initialising timebase regs  
Calling main  
L1 strap : built at Jul 7 2005 - 23:19:46  
L2 found : image size 000362e4 version 2005:07:08 11:19  
Starting L2
```

4 Cisco TelePresence MCU 4200 Series

Connect to the console port on a Cisco acquired Codian unit:

http://www.cisco.com/en/US/docs/telepresence/infrastructure/articles/cisco_telepresence_connect_console_port_kb_6.shtml

5 Cisco TelePresence MCU 4200 Series

Obtain logs on a Cisco acquired TANDBERG/Codian Conferencing Product or Cisco TelePresence Serial Gateway Series Product:

http://www.cisco.com/en/US/docs/telepresence/infrastructure/articles/cisco_telepresence_obtaining_logs_kb_14.shtml

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