

Topic: Script for TurboLinux Restores C/Port Reset Function
Component(s) Affected: C/Ports, Blades Running TurboLinux
Date: June 17, 2005

OVERVIEW / ENVIRONMENT

ClearCube PC Blades running TurboLinux do not correctly recognize the Reset signal sent when the hardware reset button on a C/Port is pressed.

DETAILED DESCRIPTION

ClearCube PC Blades running TurboLinux do not correctly recognize the Reset signal sent when the hardware reset button on a C/Port is pressed. This results from a difference between how Windows and TurboLinux handle communications with the OHCI USB controller on the Blade.

The expected behavior is for the reset button to restart a TurboLinux Blade that has been shut down. This does not occur. The reset button still resets a TurboLinux Blade that is powered on, regardless of its system state.

RESOLUTION

To resolve this problem, do the following:

Create a shell script in `/etc/init.d` named `cctpwrbtn` that contains the following command:

```
/sbin/setpci -d 1662:0002 44.1=80000103
```

This sets the necessary bits in our OHCI controller to allow the C/Port reset button to power on the Blade. Once the script is created, make it executable by issuing the following command:

```
chmod +x cctpwrbtn
```

Next, issue the following command as root:

```
ln -s /etc/init.d/cctpwrbtn /etc/rc.d/rc0.d/S00cctpwrbtn
```

This command creates a symbolic link to the script in the area that controls what is killed/started when a transition to runlevel 0 is requested (i.e., when you want to halt a Linux system). The script is executed before the system is powered off, setting the bits necessary to allow the C/Port reset button to power on the Blade.

This script is not shell-specific.

For more information, please contact ClearCube technical support.

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