

**Topic:** PXE Boot Times Out on Blades Used with Cisco 2948 Switch  
**Component(s) Affected:** Blades, PXE, Cisco 2948 10/100/1000 Switch  
**Date:** November 05, 2004

---

## OVERVIEW / ENVIRONMENT

---

On attempting a PXE boot on an R1200 Blade, the error message “No DHCP or ProxyDHCP request were received” is received. This condition is associated with Cisco switches.

---

## DETAILED DESCRIPTION

---

This problem was experienced on three Cisco 2948 10/100/1000 switches running the Catalyst 4000 operating system, version cat4000-8.2.1. The PXE boot timed out and failed, giving the “No DHCP or Proxy-DHCP request were received” error message. Also, when making command line changes to the switch with the older OS, it often required entering the commands more than once for the switch to accept them.

---

## RESOLUTION

---

1. Update the OS on the Cisco 2948 10/100/1000 switch to the cat4000-8.4.1 version. Follow Cisco's instructions to update the bootflash in the switch.
2. Execute “set port host all” on the switch to allow port fastening on all ports.

This solution was successfully tested with R1100, R1150, R1200, and R2100 Blades. It was not determined whether this problem was present on other Cisco switches, or on switches from other manufacturers. It should be noted to verify whether network equipment has the latest version of its software installed, regardless of the manufacturer.

For more information, please contact ClearCube technical support.

[support@clearcube.com](mailto:support@clearcube.com)  
[support.clearcube.com](http://support.clearcube.com)  
(866) 652-3400  
+1 (512) 652-3400

Email address for ClearCube Technical Support  
ClearCube Support Website  
Direct line in the US  
Direct line from outside the US