Shellshock Threat: CVE-2014-6271 and CVE-2014-7169

Purpose

This technical note provides information about the recent Shellshock threat which has been found in the Bash application. Bash is located in versions of Linux, Unix, and other operating systems.

Products

All Server Technology CDUs and Sentry Power Manager (SPM).

Vulnerability Summary

The Shellshock threat was originally discovered by Stephane Schazelas, a Linux/Unix specialist. The threat is related to how Bash processes environmental variables passed by the operating system, or by a program calling a Bash-based script.

If Bash has been configured as the default system shell, it can be used by network-based attackers against servers and other Linux and Unix devices via Web requests, secure shell, Telnet sessions, or other programs that use Bash to execute scripts.

Server Technology CDUs

Note: Server Technology CDUs are **not** vulnerable to the Bash Shellshock vulnerability.

The Bash Shellshock vulnerability relies on the exploit of a flaw in the Bash shell of Linux, Unix, and Mac OS X platforms. However, Server Technology CDUs use Digi International's NET+OS 7 Integrated Real-Time OS platform based on the ThreadX Real-Time Operating System by Express Logic. NET+OS has no support for a Bash shell. As such, NET+OS is completely unaffected by the Bash Shellshock vulnerability.

Server Technology's SPM System

Note: The SPM system **does not** use Bash as the default shell.

Server Technology uses a custom SPM-written shell for items like Telnet, SSH, FTP, console, and serial connections. As an appliance, we also block access to the root shell.

We do use Bash for our internal scripts and these scripts are under our control, but other concerns related to this threat mention both Apache and DHCP, and this could possibly make us vulnerable.

Solution

To be safe, a patch is available for SPM versions 5.3 and 5.4. For more information, contact Server Technology Technical Support, as follows.

Contact Technical Support

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