

Application Note: GateManager 8250 ShellShock fix



This document guides you through how to fix the so called “ShellShock” vulnerability on Linux.

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1. What is shellshock

When writing this note, there is a lot of talking about a vulnerability in the linux OS given the name shellshock. This exploit utilizes the "bash" program installed on most linux systems and it can give hackers access to the Linux OS.

2. Is GateManager vulnerable

The GateManager 8250 server software itself is not affected by this vulnerability, but the server - as a whole - could be vulnerable to the ShellShock exploit, since it is running on a standard Linux system (typically CentOS if you are using a pre-packed Secomea VM image).

Whether the server is actually vulnerable (for external attacks) depends on whether you have enabled other services on the Linux OS (such as Apache web server or SSH), and how well it is shielded from the Internet by firewalls etc.

3. How to add the patch

The GateManager server need to be able to access the internet to download the patch. This is normally the case and there for not covered her. If the command (yum) shown below will fail it is probably the internet access that fail.

3.1. Test to see if your Linux installation is affected:

➤ `env test='() { ignored; }; echo "Vulnerable"' bash -c true`

3.2. Fix the problem with the command:

➤ `yum update bash` (it is not recommended to leave out the hash unless you know what you are doing)

```
[root@gm51 /]# uname -a
Linux gm51.secomea.com 2.6.32-431.11.2.el6.i686 #1 SMP Tue Mar 25 17:17:46 UTC 2
014 i686 i686 i386 GNU/Linux
[root@gm51 /]# env test='() { ignored; }; echo "Vulnerable"' bash -c true
Vulnerable
[root@gm51 /]# yum update bash
Loaded plugins: fastestmirror, security
Determining fastest mirrors
 * mainmirror: ftp://mirrors.fedoraproject.org
 * updateonly: ftp://mirrors.fedoraproject.org
Dependencies Resolved

=====
Package           Arch             Version          Repository        Size
=====
Updating:
bash              i686             4.1.2-15.el6_5.2 updates          887 k
=====

Transaction Summary
=====
Upgrade           1 Package(s)

Total download size: 887 k
Is this ok [y/N]: y
Downloading Packages:
bash-4.1.2-15.el6_5.2.i686.rpm                | 887 kB    00:07
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
Warning: RPMDB altered outside of yum.
  Updating   : bash-4.1.2-15.el6_5.2.i686                1/2
  Cleanup    : bash-4.1.2-15.el6_4.i686                 2/2
  Verifying  : bash-4.1.2-15.el6_5.2.i686                1/2
  Verifying  : bash-4.1.2-15.el6_4.i686                 2/2

Updated:
  bash.i686 0:4.1.2-15.el6_5.2

Complete!
[root@gm51 /]# env test='() { ignored; }; echo "Vulnerable"' bash -c true
[root@gm51 /]#
```

4. Notices

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