



Application Note – AN1501

Shellshock Solution on Virtual Appliance

Rev. 1

2015/01/05

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Introduction

Shellshock is widely known as security vulnerability in most operating system which supports Bash. Many web server deployments use Bash to process certain requests and allow an attacker to execute arbitrary commands in the vulnerable versions of Bash. The attacker will gain unauthorized access to these computer systems and cause security risks.

In order to avoid **Shellshock** exploiting the PowerPanel Business Edition (abbreviation for **PPBE**) virtual appliance, this guide will lead you to upgrade the Bash shell on your virtual appliances to repair this vulnerability.

Who Should Update Bash

If you are using the older PPBE virtual appliance, you must update the bash shell. Since PPBE 2.6.2 and the future version, shellshock vulnerability will be resolved.

Update Bash Shell

Shellshock vulnerability is not available in the PPBE 2.6.2 and future versions. You must update the bash shell by executing below command:

```
[root@localhost ~]# yum update bash_
```

The system will inform you of the latest version that should update. Click **y** to continue update the bash shell.

```
extras                               | 3.3 kB      00:00
extras/primary_db                    | 28 kB      00:00
updates                              | 3.4 kB      00:00
updates/primary_db                   | 873 kB     00:00
Setting up Update Process
Resolving Dependencies
--> Running transaction check
---> Package bash.i686 0:4.1.2-8.el6.centos will be updated
---> Package bash.i686 0:4.1.2-29.el6 will be an update
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package           Arch           Version           Repository        Size
=====
Updating:
  bash            i686          4.1.2-29.el6     base              889 k

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

Total download size: 889 k
Is this ok [y/N]: _
```

After updating the bash shell, the **Shellshock** vulnerability will be resolved.