

DataDirectTM

NETWORKS



WOS

Upgrades Fix Shellshock BASH Bug

Technical Support Bulletin

Revision A0
4 November 2014

1.0 Issue Overview

1.1 Security Issue

The [NIST National Vulnerability Center](#) recently published information about a security vulnerability in the GNU Bourne Again Shell (BASH). Dubbed “Shellshock,” this bug exploits the BASH shell in Linux installations and can be used by hackers to take control of systems remotely. Most DDN products, but not all, are exposed to this vulnerability.

1.2 Affected Systems

The following DDN products **are** affected by the Shellshock BASH bug:

- SFA OS and the storage appliances that run it (S2A6620, SFA7700, SFA10K, SFA12K)
- WOS Core and the storage appliances that run it (WOS1600, WOS6000, WOS7000)
- EXAScaler, GRIDScaler, NAS Scaler, WOS Access, WOS Access S3, and DirectMon

The following DDN products **are not** affected by Shellshock:

- S2A DirectOS and the storage appliances than run it (S2A9900, S2A9700, S2A9550)
- EF3015 servers (DotHill)
- NAS Access (also known as GRID NAS)
- WOS Bridge (indirect only, through GRIDScaler and WOS Core)

DDN resells or sources certain network products and components from Brocade, Mellanox, and Dell. Some of these products may be affected by the Shellshock bug. Customers should contact these manufacturers directly to obtain the most current information about potential vulnerabilities and available patches or firmware upgrades.

1.3 Statement of Direction

DDN is addressing the Shellshock bug throughout its current product lineup with a combination of new product releases and patches to recently installed software or firmware. All fixes are slated for general availability early in the third quarter of 2014.

2.0 Resolution for WOS Platforms and Solutions

2.1 WOS Core 2.5.2

WOS Core 2.5.2 is a new release that addresses the Shellshock BASH bug on WOS7000, WOS6000, and WOS1600 storage platforms. DDN **strongly recommends** that **all** WOS platforms be upgraded to the new release. This release is available now.

ALERT Upgrade to WOS Core 2.5.2 is **STRONGLY RECOMMENDED** on all WOS platforms.

Customers running WOS Core 2.1.x, 2.2.x, or 2.5.x, and who cannot upgrade to WOS Core 2.5.2 for business reasons, may contact DDN Technical Support for assistance with an alternative procedure for resolution of the Shellshock vulnerability.

ALERT **DO NOT ATTEMPT TO APPLY A PATCH** directly to the BASH shell on a WOS Core node without first contacting DDN Technical Support.

2.2 WOS Access 1.4.0

WOS Access 1.4.0 is a new release of DDN's CIFS and NFS file system solution for WOS. Because this release includes fixes for several critical defects as well as the Shellshock bug, upgrade to WOS Access 1.4.0 is **mandatory**. This release is available now.

ALERT WOS Access 1.4.0 is a **MANDATORY UPGRADE** for all WOS Access sites.

2.3 WOS Bridge

GRIDScaler-WOS Bridge is not directly affected by the Shellshock bug. However, it **is** vulnerable **indirectly** through GRIDScaler and WOS Core.

- **GRIDScaler 2.2.3** is a new release that addresses the Shellshock bug. DDN **strongly recommends** that all GRIDScaler servers connected to WOS Bridge be upgraded to the new release. GRIDScaler 2.2.3 is available now.
- **WOS Core 2.5.2** is a new release of the WOS firmware and operating environment that addresses the Shellshock bug. DDN **strongly recommends** that all WOS7000, WOS6000, and WOS1600 platforms connected to WOS Bridge be upgraded to the new release. WOS Core 2.5.2 is available now.

ALERT GRIDScaler 2.2.3 and WOS Core 2.5.2 must **both** be installed to protect WOS Bridge from the Shellshock bug.

2.4 WOS Cloud

WOS Cloud was DDN's first Amazon S3 solution for WOS, and DDN continues to support existing customers. DDN has made a patch available to address the Shellshock bug on all WOS Cloud installations. Contact DDN Technical Support for information and assistance.

2.5 WOS Access S3 2.0.1

WOS Access S3 is DDN's new Amazon S3 solution for WOS. WOS Access S3 version 2.0.1 will include a Shellshock fix with other enhancements when it is released. A general

availability date for WOS Access S3 2.0.1 has not been announced.

For customers currently running WOS Access S3 2.0.0 who require an immediate resolution, DDN has made a patch available to address the Shellshock bug. Contact DDN Technical Support for information and assistance applying this patch.

3.0 Contacting DDN Technical Support

Download instructions and upgrade guidance for WOS Core 2.5.2, WOS Access 1.4.0, WOS Access S3 2.0.1, GRIDScaler 2.2.3, and Shellshock patches for other WOS products are available from DDN Technical Support. Support can be reached at any time by phone, by email, or on the web.

Telephone

DDN Support Worldwide Directory <http://www.ddn.com/support/contact-support>

Email

Support Email support@ddn.com

Web

Support Portal <https://portal.ddnsupport.com>
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