

# GRIDScaler<sup>™</sup>

## SMB Security Vulnerability (CVE-2017-7494)

### Issue Summary

A security vulnerability in Samba 3.5.0 and later exposes IBM Spectrum Scale (formerly GPFS) to possible remote code injection attacks. This vulnerability is caused by improper access to named pipe endpoints, which allows a malicious client to upload a shared library to a writable share, and then cause the server to load and execute that library. This vulnerability is rated “critical” in the US NIST National Vulnerability Database.

### Affected Products

GRIDScaler versions 4.0.0 through 4.2.0 are affected by this issue.

### Resolution

This security issue is fixed in Samba versions 4.4.14, 4.5.10, and 4.6.4. IBM has incorporated the Samba fix into Spectrum Scale versions 4.1.1.15 and 4.2.3.2. DDN GRIDScaler customers should download and install the appropriate fix from IBM FixCentral as follows:

- **GRIDScaler 3.2.0 - 3.2.3**  
No action is required. These versions of GRIDScaler do not incorporate the Protocol Node feature and are therefore **NOT affected** by the Samba security vulnerability that would otherwise impact the underlying GPFS/Spectrum Scale file system software.
- **GRIDScaler 4.0.0 - 4.2.0**  
Upgrade to Spectrum Scale 4.2.3.2, which is available from IBM Service at <https://www->

[945.ibm.com/support/fixcentral/swg/selectFixes?parent=Software%20defined%20storage&product=ibm/StorageSoftware/IBM+Spectrum+Scale&release=4.2.3&platform=All&function=all](https://945.ibm.com/support/fixcentral/swg/selectFixes?parent=Software%20defined%20storage&product=ibm/StorageSoftware/IBM+Spectrum+Scale&release=4.2.3&platform=All&function=all).

If you cannot upgrade the Spectrum Scale file system to the latest full release, contact IBM Service and reference the appropriate APAR below to obtain an efix.

GRIDSCALER VERSION	SPECTRUM SCALE VERSIONS	IBM APAR
4.2.0	4.2.3.0 - 4.2.3.1	IV97172
4.0.0, 4.1.0	4.2.1.0 - 4.2.1.2	IV97142

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**ALERT!** The appropriate efix depends on the version of Spectrum Scale you have actually installed, so verify the file system version if you have ever updated it separately from the full GRIDScaler package.

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## Contacting DDN Technical Support

Please contact DDN Technical Support at any time if you have questions or require assistance. Support can be reached by phone, by email, or on the web as listed below.

### Web

*DDN Community Support Portal  
Portal Assistance*

<https://community.ddn.com/login>  
[webportal.support@ddn.com](mailto:webportal.support@ddn.com)

### Telephone

*DDN Support Worldwide Directory*

<http://www.ddn.com/support/contact-support>

### Email

*Support Email*

[support@ddn.com](mailto:support@ddn.com)

### Bulletins

*Support Bulletins*

*End-of-Life Notices*

*Bulletin Subscription Requests*

<http://www.ddn.com/support/technical-support-bulletins>

<http://www.ddn.com/support/end-of-life-notices>

[support-tsb@ddn.com](mailto:support-tsb@ddn.com)