

SCP Privilege Escalation Issue Affecting Server Technology Rack Power Products



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ISSUE: SCP Privilege Escalation Issue

We have identified a critical vulnerability in the SCP implementation used by the affected products. The vulnerability allows authenticated users to execute certain SCP operations even when the user's assigned permissions should prohibit those actions.

As a result, an authenticated user could:

- overwrite any writable file with another file (e.g., a configuration file)
- copy any file to a writable location (possibly allowing download by other means)

NOTE: Successful authentication is first required. This issue cannot be exploited without valid user credentials.

AFFECTED PRODUCT(S):

- Server Technology PRO3X Rack PDUs
- Server Technology PRO4X Rack PDUs
- Server Technology PRO DC Rack PDUs

ROOT CAUSE: SCP Privilege Escalation Issue

When establishing an SCP connection to an affected product, the Linux SCP server process runs with elevated privileges (root), separate from the user management system normally accessible to end users. As a result, less privileged users who can authenticate with an affected product are able to perform operations beyond their intended permission level, e.g., they may read, write, and download files to/from the product.

RESOLUTION: Recommended Firmware Update

To address this issue, please upgrade any affected product(s) to Xerus Firmware v4.3.14 GA (General Availability release). This firmware version is available at <http://www.servertech.com/support> and includes important fixes to ensure that SCP operations and behavior are tied correctly to user accounts and their assigned permissions.

NEED HELP?

Please contact our technical support team if you have any questions or need assistance with upgrading firmware.

- [Click here](#) to open a support ticket.
- Talk to our technical support team by calling (800) 835-1515 or (775) 284-2000, press option "5".
- Email our technical support directly at support@servertech.com.