



# NATIONAL SECURITY AGENCY CYBERSECURITY ADVISORY

## UPGRADE EARLIER VERSIONS OF SOLARIS® TO 11.4

### DISCUSSION

Operating systems and application software routinely receive security updates through new versions and intermediate patches. Applying these security updates in a timely manner reduces vulnerability exposure and maximizes software reliability and protections.

Upgrading Solaris®<sup>1</sup> to the latest version and applying the latest Support Repository Update (SRU) ensures these systems are running with the most up-to-date software that is currently available while providing access to new security and compliance features. Solaris® 11.4 was released on August 28, 2018 and the current SRU 6 was released on February 19, 2019.

### MITIGATION ACTIONS

Upgrade to Solaris® 11.4 from earlier versions of Solaris® and apply the latest Support Repository Update (SRU). Each SRU provides fixes and enhancements, and every third SRU contains critical fixes for multiple vulnerabilities, including those documented as Common Vulnerabilities and Exposure (CVE®<sup>2</sup>) entries. More information on these critical patch updates and the CVEs® they address can be found at:

<https://www.oracle.com/technetwork/topics/security/alerts-086861.html>.

For guided instructions on upgrading from Solaris® 11.3 to 11.4 see Oracle's®<sup>3</sup> documentation at:

[https://docs.oracle.com/cd/E37838\\_01/pdf/E60977.pdf](https://docs.oracle.com/cd/E37838_01/pdf/E60977.pdf).

For guided instructions on how to apply Support Repository Updates see Oracle's® documentation at:

[https://docs.oracle.com/cd/E53394\\_01/html/E54739/srus.html](https://docs.oracle.com/cd/E53394_01/html/E54739/srus.html).

Methods do not exist to upgrade earlier major versions of Solaris®. Instead, a fresh installation of Solaris® 11 must be performed by using one of the installation options described at:

[https://docs.oracle.com/cd/E23824\\_01/html/E24456/qljih.html](https://docs.oracle.com/cd/E23824_01/html/E24456/qljih.html)

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<sup>1</sup> Solaris is a registered trademark of Oracle Corporation

<sup>2</sup> CVE is a registered trademark of The MITRE Corporation

<sup>3</sup> Oracle is a registered trademark of Oracle Corporation



## **NOTICE**

The information contained in this document was developed in the course of NSA's cybersecurity missions including its responsibilities to identify and disseminate threats to national security systems and Department of Defense information technologies, develop and issue security implementation specifications for cybersecurity-enabled products, and to assist Executive departments and agencies with operational security programs. The information may be shared broadly to reach all appropriate stakeholders.

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