ADVISORY

Layer Seven Security

SAP Security Notes

May 2014

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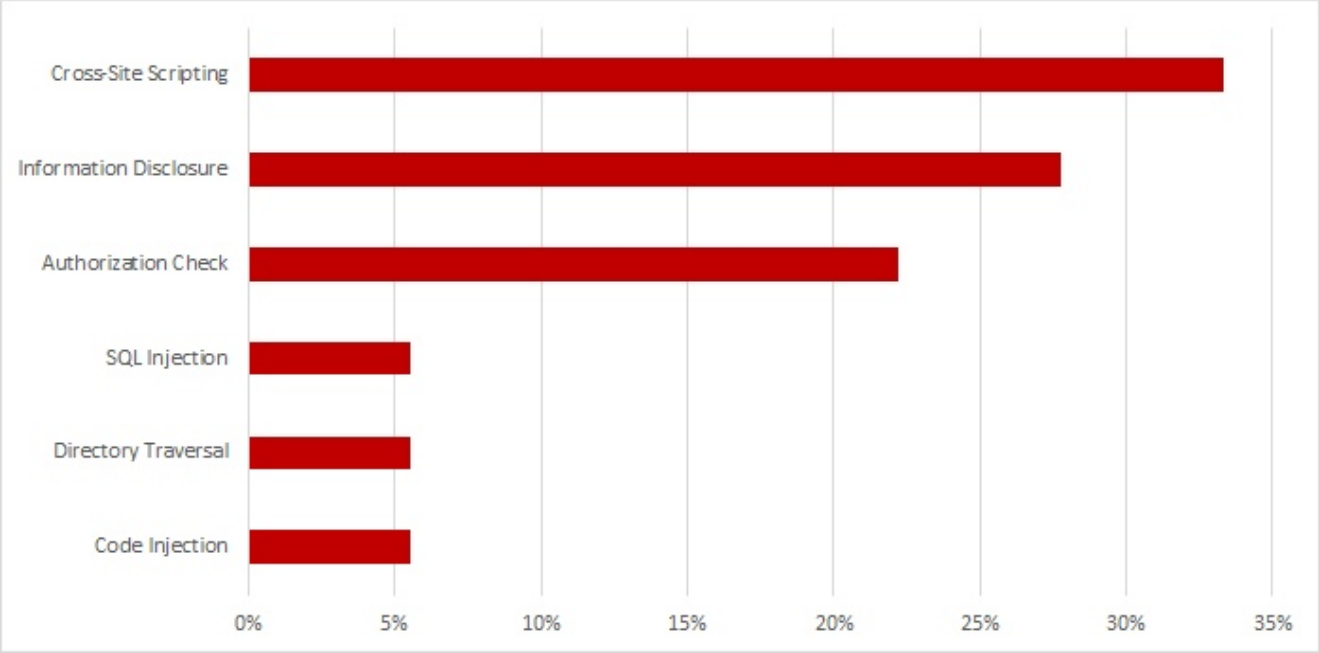
SAP released two Hot News patches in May. The first deals with the well-known Heartbleed vulnerability in OpenSSL software packaged within Document Presentment for SAP. For further information on Heartbleed, please refer to last month's Advisory issued by Layer Seven Security, as well as http://heartbleed.com and http://www.openssl.org/news/secadv_20140407.txt.

Document Presentment for SAP is a third-party solution developed by OpenText that supports document creation, changes and distribution in SAP environments. Note 2018190 includes separate patches for versions 5.6 and 5.6.1 of the solution. SAP customers impacted by the vulnerability are also advised to revoke compromised certificates and keys, reissue and distribute new certificates and keys, and change compromised passwords.

The second Hot News patch deals with a code injection vulnerability in all versions of SAP Online Banking using Apache Struts 2.0.0 - 2.3.16.1, an open-source framework for creating web-based Java applications. The ParametersInterceptor in effected versions of Apache Struts does not properly restrict access to the getClass method. This enables remote attackers to manipulate the ClassLoader and execute arbitrary code via specially-crafted requests. Note 2015882 includes patches to upgrade Apache Struts in SAP Online Banking to 2.3.16.2 which include fixes for the ParametersInterceptor.

There were multiple high-priority Notes released in May for various components of SAP Customer Relationship Management (CRM) including Communications, E-Commerce, Marketing, and Trade Promotions. Notes 1979438, 1977754, 2000476, 1997788, 1990115 and 1674849 deal with missing authorization checks, cross-site scripting and information disclosure vulnerabilities that could lead to the theft of user credentials and other



SAP Security Notes by Vulnerability Type

sensitive data and unauthorized access to SAP resources and systems.

Finally, Note 1997455 delivers a new version of the role SAP_BC_USR_CUA_CENTRAL to resolve a vulnerability in Central User Administration (CUA) that could enable attackers to read information in all central CUA system tables. CUA provides a platform for centralized user management in SAP landscapes.

Appendix: SAP Security Notes, May 2014

PRIORITY	NOTE	AREA	DESCRIPTION
HOT NEWS	2018190	XX-PART-OPT-DPR	OpenSSL vulnerability (Heartbleed bug) in SAP Document Presentment by OpenText 5.6 / 5.6.1
HOT NEWS	2015882	MOB-MCO-EBK	Apache Struts 2 Vulnerability in SAP Online Banking
HIGH	1889999	BC-DB-LCA	Missing authorization check in LCAPPS DP
HIGH	1984057	BC-SRV-KPR	Update #1 to Security Note 1635004
HIGH	1979438	CRM-ISA-BBS	Unauthorized modification of displayed content in CRM-ISA-BBS
HIGH	1977754	CRM-ISA	Potential information disclosure relating to CRM-ISA/CRM-ISE
HIGH	1977547	BC-UPG-TLS-TLA	Update 1 to Security Note 1584573
HIGH	1966995	BC-FES-BUS	Potential information disclosure relating to WebDynpro Application
HIGH	2000476	CRM-MKT-MPL	Missing authorization check in CRM-MKT-MPL
HIGH	1997788	CRM-MKT-MPL-TPM	Missing authorization check in CRM-MKT-MPL-TPM
HIGH	1997455	BC-SEC-USR-ADM	Potential information disclosure in BC-SEC-USR-ADM
HIGH	1990115	CRM-ISA	Unauthorized modification of displayed content in CRM-ISA
HIGH	1674849	CRM-IC-CHA	Unauthorized modification in BSP application in CRM-IC-CHA
MEDIUM	1621071	IS-R-RA	Unauthorized modification of displayed content in IS-R-RA
MEDIUM	1808003	BC-CST	Potential information disclosure relating to BC-CST
MEDIUM	1941796	EP-PIN-AI	Unauthorized modification of stored content in Application Integration Transaction JavaGui component
MEDIUM	1915920	FS-RI-AC-RM	Missing authorization check in FS-RI
MEDIUM	2009696	HAN-AS-XS	Unauthorized modification of displayed content in SHINE

LAYER SEVEN SECURITY

Layer Seven Security empowers organisations to realize the potential of SAP systems. We serve customers worldwide to secure systems from cyber threats. We take an integrated approach to build layered controls for defense in depth

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