

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

IBM SECURITY ADVISORY

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The most recent version of this document is available here:

[http://aix.software.ibm.com/aix/efixes/security/openssh\\_advisory4.asc](http://aix.software.ibm.com/aix/efixes/security/openssh_advisory4.asc)  
[https://aix.software.ibm.com/aix/efixes/security/openssh\\_advisory4.asc](https://aix.software.ibm.com/aix/efixes/security/openssh_advisory4.asc)  
[ftp://aix.software.ibm.com/aix/efixes/security/openssh\\_advisory4.asc](ftp://aix.software.ibm.com/aix/efixes/security/openssh_advisory4.asc)

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VULNERABILITY SUMMARY

VULNERABILITY: AIX OpenSSH Vulnerability

PLATFORMS: AIX 5.3, 6.1 and 7.1  
VIOS VIOS 2.2.\*

SOLUTION: Apply the fix as described below.

THREAT: See below

CVE Numbers: CVE-2014-2532,CVE-2014-2653

Reboot required? NO  
Workarounds? NO  
Protected by FPM? NO  
Protected by SED? NO

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DETAILED INFORMATION

I. DESCRIPTION

CVE-2014-2532  
OpenSSH could allow a remote attacker to bypass security restrictions, caused by the inclusion of wildcard characters in the AcceptEnv lines of the sshd\_config configuration file within the sshd program. By using a substring before a wildcard character, an attacker could exploit this vulnerability to bypass intended environment restrictions.

CVE-2014-2653  
OpenSSH could allow a remote attacker to bypass security restrictions, caused by an error in the SSH client when handling a HostCertificate. By persuading a victim to visit a specially-crafted Web site containing a malicious certificate, an attacker could exploit this vulnerability using a malicious server to disable SSHFP-checking.

II. CVSS

CVE-2014-2532  
CVSS Base Score:5  
CVSS Temporal Score:see <http://xforce.iss.net/xforce/xfdb/91986>  
CVSS Environmental Score\*:Undefined  
CVSS Vector: (AV:N/AC:L/Au:N/C:C/I:N/A:N)

CVE-2014-2653  
CVSS Base Score:4.3  
CVSS Temporal Score:see <http://xforce.iss.net/xforce/xfdb/92116>  
CVSS Environmental Score\*:Undefined  
CVSS Vector: (AV:N/AC:L/Au:N/C:C/I:N/A:N)

### III. PLATFORM VULNERABILITY ASSESSMENT

To determine if your system is vulnerable, execute the following command:

```
lslpp -L openssh.base
```

The following fileset levels are vulnerable:

| AIX Fileset  | Lower Level | Upper Level | KEY      |
|--------------|-------------|-------------|----------|
| openssh.base | 4.0.0.5200  | 6.0.0.6106  | key_w_fs |

### IV. SOLUTIONS

A fix is available, and it can be downloaded from:

<https://www14.software.ibm.com/webapp/iwm/web/preLogin.do?source=aixbp>

To extract the fixes from the tar file:

```
zcat OpenSSH_6.0.0.6107.tar.Z | tar xvf -
```

**IMPORTANT:** If possible, it is recommended that a mksysb backup of the system be created. Verify it is both bootable and readable before proceeding.

To preview the fix installation:

```
installp -apYd . OpenSSH_6.0.0.6107
```

To install the fix package:

```
installp -aXYd . OpenSSH_6.0.0.6107
```

### V. WORKAROUNDS

No workarounds.

### VI. CONTACT INFORMATION

If you would like to receive AIX Security Advisories via email, please visit:

<http://www.ibm.com/systems/support>

and click on the "My notifications" link.

To view previously issued advisories, please visit:

<http://www14.software.ibm.com/webapp/set2/subscriptions/onvdq>

Comments regarding the content of this announcement can be directed to:

[security-alert@austin.ibm.com](mailto:security-alert@austin.ibm.com)

To obtain the PGP public key that can be used to communicate securely with the AIX Security Team you can either:

A. Send an email with "get key" in the subject line to:

[security-alert@austin.ibm.com](mailto:security-alert@austin.ibm.com)

B. Download the key from our web page:

[http://www.ibm.com/systems/resources/systems\\_p\\_os\\_aix\\_security\\_pgpkey.txt](http://www.ibm.com/systems/resources/systems_p_os_aix_security_pgpkey.txt)

C. Download the key from a PGP Public Key Server. The key ID is:

0x28BFAA12

Please contact your local IBM AIX support center for any assistance.

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VII. REFERENCES:

Note: Keywords labeled as KEY in this document are used for parsing purposes.

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Complete CVSS Guide: <http://www.first.org/cvss/cvss-guide.html>  
On-line Calculator V2: <http://nvd.nist.gov/cvss.cfm?calculator&adv&version=2>  
X-Force Vulnerability Database:<http://xforce.iss.net/xforce/xfdb/91986>  
X-Force Vulnerability Database:<http://xforce.iss.net/xforce/xfdb/92116>  
CVE-2014-2532 : <http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2014-2532>  
CVE-2014-2653 : <http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2014-2653>

\*The CVSS Environment Score is customer environment specific and will ultimately impact the Overall CVSS Score. Customers can evaluate the impact of this vulnerability in their environments by accessing the links in the Reference section of this Flash.

Note: According to the Forum of Incident Response and Security Teams (FIRST), the Common Vulnerability Scoring System (CVSS) is an "industry open standard designed to convey vulnerability severity and help to determine urgency and priority of response." IBM PROVIDES THE CVSS SCORES "AS IS" WITHOUT WARRANTY OF ANY KIND, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. CUSTOMERS ARE RESPONSIBLE FOR ASSESSING THE IMPACT OF ANY ACTUAL OR POTENTIAL SECURITY VULNERABILITY.

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Version: GnuPG v1.4.13 (AIX)

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Z2gAn3vdkfKXhola0XTLSez3KigEU8DQ  
=SS/P

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