

| | | | | Status | Controls Noted by the ASV for this Vulnerability |
|---------------------|---|--------|-----|-------------|---|
| Instance: Linux 2.6 | 38726 - OpenSSH Username Enumeration Vulnerability (CVE-2018-15473) | Medium | 5.0 | FAIL | |
| Instance: Linux 2.6 | 82004 - Open UDP Services List | Low | 0.0 | PASS | This vulnerability is not included in the NVD |
| Instance: Linux 2.6 | 82023 - Open TCP Services List | Low | 0.0 | PASS | This vulnerability is not included in the NVD |
| Instance: Linux 2.6 | 82003 - ICMP Timestamp Request (CVE-1999-0524) | Low | 0.0 | PASS | The vulnerability is purely a denial-of-service (DoS) vulnerability |

Part 3a-1.2. Consolidated Solution/Correction Plan for the above IP Address:

For Linux 2.6

These vulnerabilities can be resolved by performing the following 4 steps.

| Vulnerability | Remediation Step |
|--|---|
| OpenSSH Username Enumeration Vulnerability | <p>Customers are advised to upgrade to OpenSSH 7.8 or later versions to remediate this vulnerability.</p> <p>Patch: Following are links for downloading patches to fix the vulnerabilities: OpenSSH 7.8 or later</p> |
| Open UDP Services List | <p>Shut down any unknown or unused service on the list. If you have difficulty working out which service is provided by which process or program, contact your provider's support team. For more information about commercial and open-source Intrusion Detection Systems available for detecting port scanners of this kind, visit the CERT Web site.</p> |
| Open TCP Services List | <p>Shut down any unknown or unused service on the list. If you have difficulty figuring out which service is provided by which process or program, contact your provider's support team. For more information about commercial and open-source Intrusion Detection Systems available for detecting port scanners of this kind, visit the CERT Web site.</p> |
| ICMP Timestamp Request | <p>You can filter ICMP messages of type "Timestamp" and "Timestamp Reply" at the firewall level. Some system administrators choose to filter most types of ICMP messages for various reasons. For example, they may want to protect their internal hosts from ICMP-based Denial Of Service attacks, such as the <i>Ping of Death</i> or <i>Smurf</i> attacks.</p> <p>However, you should never filter ALL ICMP messages, as some of them ("Don't Fragment", "Destination Unreachable", "Source Quench", etc) are necessary for proper behavior of Operating System TCP/IP stacks.</p> <p>It may be wiser to contact your network consultants for advice, since this issue impacts your overall network reliability and security.</p> |

Part 3b. Special Notes by Component

Part 3b-1.

| Component | Special Note | Item Noted | Scan Customer's description of action taken and declaration that software is either implemented securely or removed |
|---|---------------|---|---|
| 147.75.xxx.xx | Remote Access | Remote Access Service name: SSH on TCP port 22. | |
| 147.75.xxx.x Protocol: tcp Port: 22 | Remote Access | Remote Access ssh SSH Remote Login Protocol ssh | |

Part 3c. Special Notes - Full Text

Remote Access

Note to scan customer: Due to increased risk to the cardholder data environment when remote access software is present, 1) justify the business need for this software to the ASV and confirm it is implemented securely, or 2) confirm it is disabled/removed. Consult your ASV if you have questions about this Special Note.

Part 4a. Scan Scope Submitted by Scan Customer for discovery

Part 4b. Scan Customer Designated "In- Scope" Components (Scanned)

Part 4c. Scan Customer Designated "Out-Of-Scope" components (Not Scanned)