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DATE(S) ISSUED:

04/09/2014

SUBJECT:

Multiple Vulnerabilities Discovered in Adobe Flash Player and Adobe AIR (APSB14-09)

EXECUTIVE SUMMARY:

Multiple vulnerabilities have been discovered in Adobe Flash Player and Adobe AIR. Adobe Flash Player is a widely distributed multimedia and application player used to enhance the user experience when visiting web pages or reading email messages. Adobe AIR is a cross platform runtime used for developing internet applications that run outside of a browser. Successful exploitation could result in an attacker compromising data security, potentially allowing access to confidential data, or could compromise processing resources in a user's computer. Failed exploit attempts will likely cause denial-of-service conditions.

THREAT INTELLIGENCE:

At this time these vulnerabilities are not publicly disclosed and there is no known proof-of-concept code available.

SYSTEMS AFFECTED:

- Adobe Flash Player 12.0.0.77 and earlier versions for Windows and Macintosh
- Adobe Flash Player 11.2.202.346 and earlier versions for Linux
- Adobe Flash AIR 4.0.0.1628 and earlier versions for Android
- Adobe AIR 4.0.0.1268 SDK and earlier versions
- Adobe AIR 4.0.0.1628 SDK & Compiler and earlier versions

RISK:

Government:

- Large and medium government entities: High
- Small government entities: High

Businesses:

- Large and medium business entities: High
- Small business entities: High

Home users: High**TECHNICAL SUMMARY:**

Adobe Flash Player and AIR are prone to multiple vulnerabilities. Specifically, the vulnerabilities identified may allow an attacker to run malicious code through either Cross Site Scripting or Buffer Overflow. Failed exploitation attempts may cause denial-of-service conditions. Successful exploitation could result in an attacker compromising data security, potentially allowing access to confidential data, or could compromise processing resources in a user's computer. Failed exploit attempts will likely cause denial-of-service conditions.

RECOMMENDATIONS:

The following actions should be taken:

- Install the updates provided by Adobe immediately after appropriate testing.
- Remind users not to visit untrusted websites or follow links provided by unknown or untrusted sources.
- Do not open email attachments from unknown or untrusted sources.
- Limit user account privileges to those required only.

REFERENCES:**Adobe:**

<http://helpx.adobe.com/security/products/flash-player/apsb14-09.html>

CVE:

<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2014-0507>

<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2014-0508>

<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2014-0509>