



Reference: CERT-EU Security Advisory 2016-137 Critical Adobe Flash Player vulnerabilities (APSB16-29)

15/09/2016

CVE numbers related:

CVE-2016-4271, CVE-2016-4272, CVE-2016-4274, CVE-2016-4275, CVE-2016-4276, CVE-2016-4277, CVE-2016-4278, CVE-2016-4279, CVE-2016-4280, CVE-2016-4281, CVE-2016-4282, CVE-2016-4283, CVE-2016-4284, CVE-2016-4285, CVE-2016-4287, CVE-2016-6921, CVE-2016-6922, CVE-2016-6923, CVE-2016-6924, CVE-2016-6925, CVE-2016-6926, CVE-2016-6927, CVE-2016-6929, CVE-2016-6930, CVE-2016-6931, CVE-2016-6932

Short Summary

Adobe has released security updates for Adobe Flash Player for Windows, Macintosh, Linux and ChromeOS to address multiple critical vulnerabilities.

Impact

A remote attacker may cause Adobe Flash Player to crash or execute arbitrary code by convincing a user to open specially crafted contents leveraging these vulnerabilities.

Technical Description

Adobe Flash Player is a multimedia application for Microsoft Windows, Mozilla and Apple technologies.

- These updates resolve an integer overflow vulnerability that could lead to code execution (CVE-2016-4287).
- These updates resolve use-after-free vulnerabilities that could lead to code execution (CVE-2016-4272, CVE-2016-4279, CVE-2016-6921, CVE-2016-6923, CVE-2016-6925, CVE-2016-6926, CVE-2016-6927, CVE-2016-6929, CVE-2016-6930, CVE-2016-6931, CVE-2016-6932).
- These updates resolve security bypass vulnerabilities that could lead to information disclosure (CVE-2016-4271, CVE-2016-4277, CVE-2016-4278).
- These updates resolve memory corruption vulnerabilities that could lead to code execution (CVE-2016-4274, CVE-2016-4275, CVE-2016-4276, CVE-2016-4280, CVE-2016-4281, CVE-2016-4282, CVE-2016-4283, CVE-2016-4284, CVE-2016-4285, CVE-2016-6922, CVE-2016-6924).

Solutions

Security updates are available. Please see the references or vendor advisory for more information. To verify the version of Adobe Flash Player installed on your system, access the About Flash Player page, or right-click on content running in Flash Player and select "About Adobe (or Macromedia) Flash Player" from the menu. If you use multiple browsers, perform the check for each browser you have installed on your system.

- Adobe recommends users of the Adobe Flash Player Desktop Runtime for Windows and Macintosh update to 23.0.0.162 via the update mechanism within the product when prompted [1], or by visiting the Adobe Flash Player Download Center.

- Adobe recommends users of the Adobe Flash Player Extended Support Release should update to version 18.0.0.375 by visiting <http://helpx.adobe.com/flash-player/kb/archived-flash-player-versions.html>.
- Adobe recommends users of Adobe Flash Player for Linux update to Adobe Flash Player 11.2.202.635 by visiting the Adobe Flash Player Download Center.
- Adobe Flash Player installed with Google Chrome will be automatically updated to the latest Google Chrome version, which will include Adobe Flash Player 23.0.0.162 for Windows, Macintosh, Linux and Chrome OS.
- Adobe Flash Player installed with Microsoft Edge and Internet Explorer for Windows 10 and 8.1 will be automatically updated to the latest version, which will include Adobe Flash Player 23.0.0.162.
- Please visit the Flash Player Help page for assistance in installing Flash Player.

[1] Users of Flash Player 11.2.x or later for Windows or Flash Player 11.3.x or later for Macintosh, who have selected the option to 'Allow Adobe to install updates' will receive the update automatically. Users who do not have the 'Allow Adobe to install updates' option enabled can install the update via the update mechanism within the product when prompted.

Vulnerable Systems

Adobe Flash Player Desktop Runtime 22.0.0.211 and earlier (Windows and Macintosh)

Adobe Flash Player Extended Support Release 18.0.0.366 and earlier (Windows and Macintosh)

Adobe Flash Player for Google Chrome 22.0.0.211 and earlier (Windows, Macintosh, Linux and ChromeOS)

Adobe Flash Player for Microsoft Edge and Internet Explorer 11 22.0.0.211 and earlier (Windows 10 and 8.1)

Adobe Flash Player for Linux 11.2.202.632 and earlier (Linux)

References

Advisory: APSB16-29: Security updates available for Adobe Flash Player

<https://helpx.adobe.com/security/products/flash-player/apsb16-29.html>

Web Page: Adobe Flash Player Homepage

<https://www.adobe.com/software/flash/about/>

Web Page: Adobe Homepage

<http://www.adobe.com>

CERT-EU (<http://cert.europa.eu>)

Phone: +32.2.2990005 / e-mail: cert-eu@ec.europa.eu

PGP KeyID 0x46AC4383

FP: 9011 6BE9 D642 DD93 8348 DAFA 27A4 06CA 46AC 4383