



**State of Alaska Cyber Security &
Critical Infrastructure
Cyber Advisory**

April 2, 2015

The following cyber advisory was issued by the State of Alaska and was intended for State government entities. The information may or may not be applicable to the general public and accordingly, the State does not warrant its use for any specific purposes.

**ADVISORY NUMBER:
SA2015-037**

**DATE(S) ISSUED:
4/2/2015**

**SUBJECT:
Multiple Vulnerabilities in Google Chrome Could Allow for Remote Code Execution**

OVERVIEW:
Multiple vulnerabilities have been discovered in Google Chrome that could result in remote code execution. Google Chrome is a web browser used to access the Internet. These vulnerabilities can be exploited if a user visits, or is redirected to, a specially crafted web page. Successful exploitation of these vulnerabilities could result in an attacker gaining the same privileges as the user running the affected application. Depending on the privileges associated with the user, an attacker could then install programs; view, change, or delete data; or create new accounts with full user rights.

THREAT INTELLIGENCE:
There are currently no reports of these vulnerabilities being exploited in the wild.

SYSTEM AFFECTED:
Google Chrome Prior to 41.0.2272.118.

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:

Two Vulnerabilities have been discovered in Google Chrome, and have been patched in the latest Stable Channel Update. These updates address multiple bug fixes, security updates, and feature enhancements including the following:

- Google Chrome is prone to remote code execution outside of the sandbox (CVE-2015-1233).
- Google Chrome is prone to a buffer overflow via the race condition in the GPU (CVE-2015-1234).

RECOMMENDATIONS:

We recommend the following actions be taken:

- Apply appropriate patches provided by Google to vulnerable systems immediately after appropriate testing.
- Run all software as a non-privileged user (one without administrative privileges) to diminish the effects of a successful attack.
- Remind users not to visit un-trusted websites or follow links provided by unknown or un-trusted sources.
- Inform and educate users regarding the threats posed by hypertext links contained in emails or attachments especially from un-trusted sources.

REFERENCES:

Google:

<http://googlechromereleases.blogspot.com/2015/04/stable-channel-update.html>

CVE:

<https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2015-1233>

<https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2015-1234>