



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

July 9, 2013

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:

SA2013-054

DATE ISSUED:

07/09/2013

SUBJECT:

Cumulative Security Update for Internet Explorer (MS13-055)

OVERVIEW:

Multiple vulnerabilities have been discovered in Microsoft's web browser, Internet Explorer, which could allow an attacker to take complete control of an affected system. Successful exploitation of these vulnerabilities could result in an attacker gaining the same privileges as the logged on user. 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.

SYSTEMS AFFECTED:

- Internet Explorer 6
- Internet Explorer 7
- Internet Explorer 8
- Internet Explorer 9
- Internet Explorer 10

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

DESCRIPTION:

Multiple vulnerabilities have been discovered in Internet Explorer. The details of these vulnerabilities are as follows:

Shift JIS Character Encoding Vulnerability: A cross-site-scripting (XSS) vulnerability exists in Internet Explorer that could allow information disclosure. An attacker could exploit the vulnerability by constructing a specially crafted webpage that could allow information disclosure if a user viewed the webpage. An attacker who successfully exploited this vulnerability could view content from another domain or Internet Explorer zone.

Multiple Memory Corruption Vulnerabilities: Multiple remote code execution vulnerabilities exist when Internet Explorer improperly accesses an object in memory. These vulnerabilities may corrupt memory in such a way that an attacker could execute arbitrary code in the context of the current user.

Successful exploitation of these vulnerabilities could result in an attacker gaining the same privileges as the logged on user. 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.

REFERENCES:

Microsoft:

<http://support.microsoft.com/kb/2846071>

<https://technet.microsoft.com/en-us/security/bulletin/ms13-055>

CVE:

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3166>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3115>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3143>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3144>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3145>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3146>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3147>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3148>

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<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3150>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3151>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3152>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3153>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3161>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3162>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3163>

<http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2013-3164>