

**TLP: WHITE**  
**MS-ISAC CYBERSECURITY ADVISORY**

**MS-ISAC ADVISORY NUMBER:** 2019-003

**DATE(S) ISSUED:** 01/08/2019

**SUBJECT:** Critical Patches Issued for Microsoft Products, January 8, 2019

**OVERVIEW:**

Multiple vulnerabilities have been discovered in Microsoft products, the most severe of which could allow for code execution. Successful exploitation of the most severe 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. Users whose accounts are configured to have fewer user rights on the system could be less impacted than those who operate with administrative user rights.

**THREAT INTELLIGENCE:**

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

**SYSTEMS AFFECTED:**

- Adobe Flash Player
- Internet Explorer
- Microsoft Edge
- Microsoft Windows
- Microsoft Office and Microsoft Office Services and Web Apps
- ChakraCore
- .NET Framework
- Microsoft Dynamics NAV
- Microsoft Exchange Server
- Microsoft Visual Studio
- Windows Azure Pack (WAP)

**RISK:**

**Government:**

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

**Businesses:**

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

**Home users: Low**

**TECHNICAL SUMMARY:**

Multiple vulnerabilities have been discovered in Microsoft products, the most severe of which could allow for code execution.

A full list of all vulnerabilities can be found at the link below:

<https://portal.msrc.microsoft.com/en-us/security-guidance/summary>

Successful exploitation of the most severe 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.

Users whose accounts are configured to have fewer user rights on the system could be less impacted than those who operate with administrative user rights.

## RECOMMENDATIONS:

We recommend the following actions be taken:

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

## REFERENCES:

### Microsoft:

<https://portal.msrc.microsoft.com/en-us/security-guidance/summary>

<https://portal.msrc.microsoft.com/en-us/security-guidance/releasenotedetail/b4384b95-e6d2-e811-a983-000d3a33c573>

24x7 Security Operations Center

Multi-State Information Sharing and Analysis Center (MS-ISAC)

Elections Infrastructure Information Sharing and Analysis Center (EI-ISAC)

31 Tech Valley Drive

East Greenbush, NY 12061

[SOC@cisecurity.org](mailto:SOC@cisecurity.org) - 1-866-787-4722



TLP: WHITE

Disclosure is not limited. Subject to standard copyright rules, TLP: WHITE information may be distributed without restriction.

<http://www.us-cert.gov/tlp/>