

GOVERNMENT OF PAKISTAN
CABINET SECRETARIAT, CABINET DIVISION
NATIONAL TELECOM & INFORMATION TECHNOLOGY SECURITY BOARD
(NTISB-II)

No. 1-5/2003 (NTISB-II)

Islamabad, 0 August, 2018

Subject: Prevention Against Cyber Espionage (Advisory No 148)

1. **Introduction.** Cyber Security researchers have discovered critical vulnerabilities in Microsoft Windows, Microsoft Office, internet explorer (1E), powershell, visual studio and adobe flash player .These vulnerabilities facilitate a remote attacker to execute malicious code on vulnerable system.

2. **Technical Analysis**

- 15 AUG 2018
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- a. These critical issues are observed due to memory corruption flaws in internet explorer, edge browser and chakra scripting engine.
- b. A critical flaw (CVE-2018-8327) affects Powershell editor services that could allow a remote attacker to execute malicious code on vulnerable system.
- c. Following the most critical vulnerabilities found in Microsoft Windows and other softwares:-

- (1) Scripting Engine Memory Corruption Vulnerability (CVE-2018-8242).
- (2) Edge Memory Corruption Vulnerability (CVE-2018-8262).
- (3) Chakra Memory Corruption Vulnerability (CVE-2018-8280).
- (4) Microsoft Edge Memory Corruption Vulnerability (CVE-2018-8301).
- (5) Microsoft Edge Information Disclosure Vulnerability (CVE-2018-8324).

3. **Affected Products.** These vulnerabilities affect Microsoft Windows and following softwares:-

- a. Internet Explorer IE
- b. ChakraCore
- c. Microsoft .NET Framework
- d. PowerShell
- e. Visual Studio
- f. Microsoft Office
- g. Adobe Flash Player
- h. Microsoft Share Point
- i. ASP .NET.

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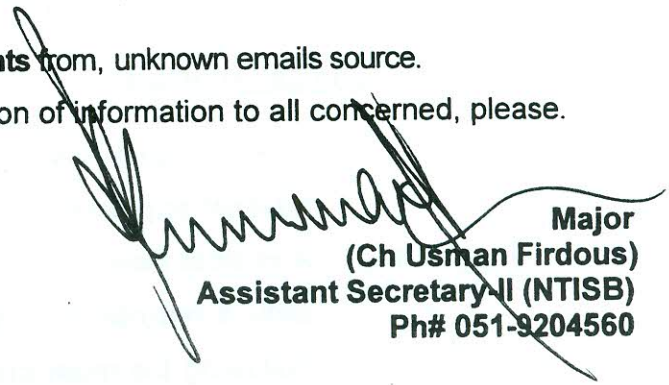
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4. **Recommendations**

- a. **Security patches** have been **released** by all **vendors**; it is strongly advised to **update** against these vulnerabilities.
- b. For updating **Microsoft Windows** go to **Setting** → Update & Security → Windows → Updates → **Check for updates**.
- c. **Install** and **update** well reputed antivirus such as **Kaspersky**, **Bitdefender**, **Nod32** and **Avast** etc.
- d. Regularly update all software's including **Windows OS** and **Microsoft Office**.
- e. Don't download **attachments** from, unknown emails source.
5. Forwarded for perusal and dissemination of information to all concerned, please.

2/11/17



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