

Subject: **Advisory – Prevention Against InPage Urdu Exploit (Advisory No. 15)**

1. **Introduction.** InPage Urdu software developed and produced by an India based company “Concept Software Private Limited” is largely used worldwide for Urdu page making and Pakistan is its top consumer. Recently a targeted malware campaign titled as “OFFICIUM Training Plan Dte NITB + POF” is being sent to officers and staff of civil, defense / government organizations from a spoofed email. The email contains an unknown InPage exploit. Downloading and opening the InPage file executes a malware in background that results in backing of the computer.

2. **Summary of Malicious Email**

- a. **Subject.** OFFICIUM Training Plan Dte NITB + POF
- b. **Name of attachment.** Staff training Dte.inp
- c. **Malware Type.** Zero Day Exploit of InPage Professional
- d. **Spoofed Email.** pslicense@nitb.gov.pk
- e. **Antivirus Detection Rate.** 0/55 (0%)
- f. **Affected Softwares.** All versions of ‘InPage Urdu’
- g. **Threat Level.** Critical
- h. **C & C Servers**

Ser	C & C URL	C & C IP address	IP Location
(1)	-	209.177.158.26	USA
(2)	-	212.83.46.63	Germany

3. **Indicators of Compromise.** The malware makes following files on the infected system: -

- a. C:\Users\- b. C:\Users\- c. C:\Users\- d. C:\Users\- e. C:\Users\

4. **Capabilities of Malware**

- a. Reads user's computer information like operating system details, directory files list, IP address, route interfaces details, Windows Services Information, System Information, Computer Name and processes information from the victim's computer.
- b. The malware has the ability to act as a key logger, file stealer and it can read information about user's open windows along with time stamps.
- c. It can steal stored usernames, passwords of victim's accounts and it can take remote access of system.
- d. The malware can automatically execute itself on windows startup and attacker can run additional commands on infected system.

5. **Recommendations.** In order to safeguard from threat presented by "InPage" software following are recommended: -

- a. **Instead of using InPage, following software be used: -**
 - (i) Microsoft Word with Urdu Language.
 - (ii) Urdu Word Processor.
- b. **Download and execute the Inpage malware detection tool from <https://tiny.cc/h21P6y> to detect this particular malware.** If found infected, then please contact your system administrator or **backup your data and reinstall windows.**
- c. **Install and update well reputed antiviruses** such as Kaspersky, Avira, Avast etc.
- d. **In case if indicators of compromise (para 3) are found in the system, please disconnect the computer from internet and reinstall windows.**
- e. Don't download attachments from emails unless you are sure about the source.
- f. **Strict implementation of Software Restriction Policies (SRP) must be implemented to block binaries executing from %APPDATA% and %TEMP% locations as most malware runs from these paths.**
- g. **Monitor IP traffic within the network for malicious connections with IPs mentioned in para 2(h) for detection of infected endpoints.**