Weekly Report of CNCERT

CNCERT/CC

Key Findings

| Excellent | Good | Fair | Poor | Very Poor |

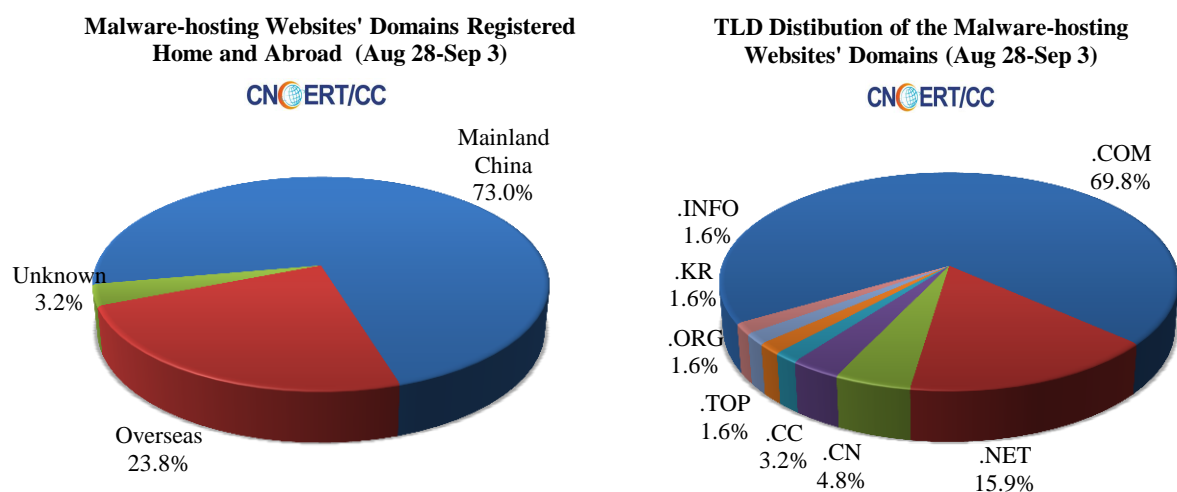|		
Infected Computers in Mainland China	• 0.56 Million	↓ 2.2%
Defaced Websites in Mainland China **Defaced gov.cn**	• 2,444 • 39	↑ 11.9% ↓ 11.4%
Backdoored Websites in Mainland China **Backdoored gov.cn**	• 961 • 53	↓ 13.3% ↓ 18.5%
Phishing Webpages Targeting Websites in Mainland China	• 306	↓ 5.8%
New Vulnerabilities Collected by CNVD **High-risk Vulnerabilities**	• 348 • 108	↑ 19.2% ↑ 10.2%

= marks the same number as last week; ↑ marks an increase from last week; ↓ marks a decrease from last week

Malware Activities

The infected computers in mainland China amounted to about 0.56 million, among which about 0.42 million were controlled by Trojans or Botnets and about 0.14 million by Confickers.

Trojans or Botnet — 0.42 million ↓ 0.4%

Conficker — 0.14 million ↓ 7.0%
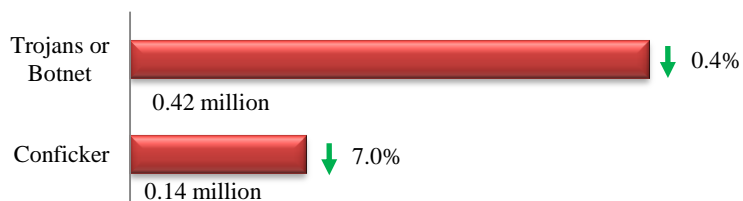
The malware-hosting websites is the jumping-off place for malware propagation. The malware-hosting websites monitored by CNCERT this week involved 63 domains and 223 IP addresses. Among the 63 malicious domains, 23.8% were registered overseas and 69.8% of their TLDs fell into the category of.com. Among the 223 malicious IPs, 7.6% were overseas. Based on our analysis of the malware-hosting website's URLs, the majority of them were accessed via domain names, and only 2 were accessed directly via IPs.

Malware-hosting Websites' Domains Registered Home and Abroad (Aug 28-Sep 3)

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Mainland China 73.0%

Unknown 3.2%

Overseas 23.8%

TLD Distibution of the Malware-hosting Websites' Domains (Aug 28-Sep 3)

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.COM 69.8%

.INFO 1.6%

.KR 1.6%

.ORG 1.6%

.TOP 1.6%

.CC 3.2%

.CN 4.8%

.NET 15.9%

In terms of the malicious domain names and IPs either monitored by CNCERT or sourced from the reporting members, CNCERT has actively coordinated the domain registrars and other related agencies to handle them. Moreover, the blacklist of these malicious domains and IPs has been published on the website of Anti Network-Virus Alliance of China (ANVA).

The URL of ANVA for Publishing the Blacklist of Malicious Domains and IPs.

http://www.anva.org.cn/virusAddress/listBlack

Anti Network-Virus Alliance of China (ANVA) is an industry alliance that was initiated by Network and Information security Committee under Internet Society of China (ISC) and has been operated by CNCERT.

Website Security

This week, CNCERT monitored 2,444 defaced websites, 961 websites planted with backdoors and 306 phishing web pages targeting websites in mainland China.
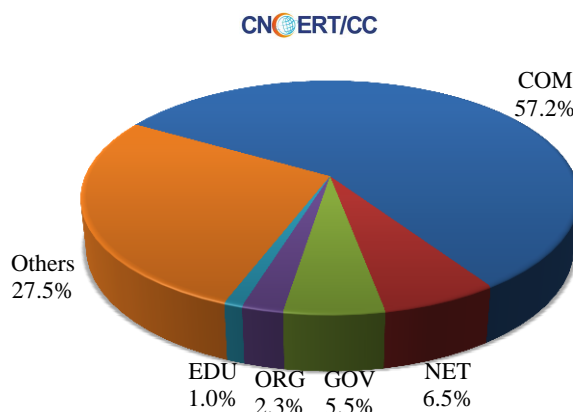
Defaced websites in mainland China
2444 ↑ 11.9%

Backdoored websits in mainland China
961 ↓ 13.3%

Phishing pages targeting websites in mainland China
306 ↓ 5.8%
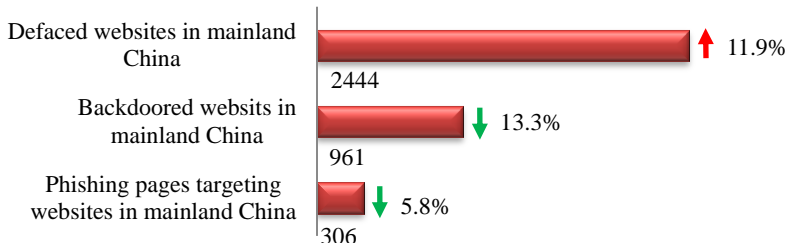
This week, the defaced government (gov.cn) websites totaled 39 (1.6%), a decrease of 11.4% from last week. Backdoors were installed into 53 (5.5%) government (gov.cn) websites, which decrease by 18.5% from last week. The fake domains and IP addresses targeting websites in mainland China reached 269 and 126 respectively, with each IP address loading about 2 phishing web pages on average.

Domain Categories of the Defaced Websts in Mainland China (Aug 28-Sep 3)

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COM 64.9%
Others 23.8%
BIZ 0.2%
GOV 1.6%
ORG 2.0%
NET 7.4%
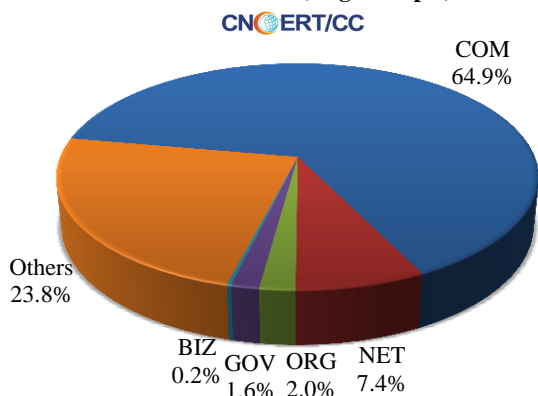
Domain Categories of the Backdoored Websites in Mainland China (Aug 28-Sep 3)

CNCERT/CC

COM 57.2%
Others 27.5%
EDU 1.0%
ORG 2.3%
GOV 5.5%
NET 6.5%

Vulnerabilities

This week, China National Vulnerability Database (CNVD) recorded 348 new vulnerabilities. This week's overall vulnerability severity was evaluated as medium.

Low-risk vulnerability
25 ↑ 78.6%

Medium-risk vulnerability
215 ↑ 19.4%

High-risk vulnerability
108 ↑ 10.2%
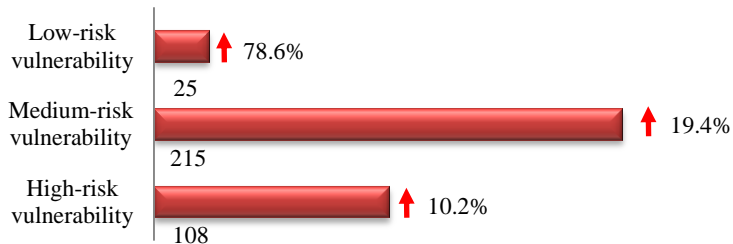
**Objectives Affected by the Vulnerabilities Collected
by CNVD (Aug 28-Sep 3)**
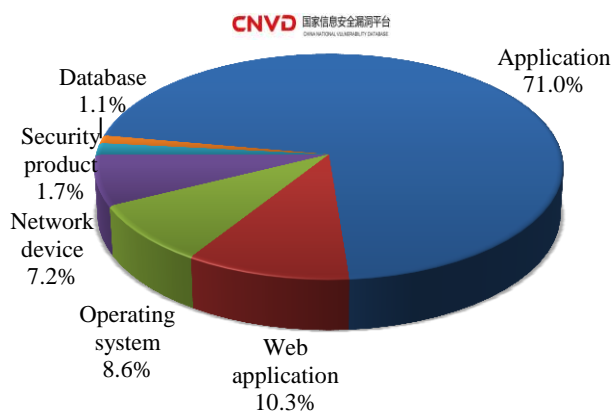
The Application was most frequently affected by these vulnerabilities collected by CNVD, followed by the Web application and the Operating system.

For more details about the vulnerabilities, please review CNVD Weekly Vulnerability Report.

The URL of CNVD for Publishng Weekly Vulnerability Report

http://www.cnvd.org.cn/webinfo/list?type=4

China National Vulnerability Database (CNVD) was established by CNCERT, together with control systems, ISPs, ICPs, network security vendor, software producers and internet enterprises for sharing information on vulnerabilities.

Incident Handling

This week, CNCERT has handled 645 network security incidents, 321 of which were cross-border ones, by coordinating ISPs, domain registrars, mobile phone application stores, branches of CNCERT and our international partners.

**Types of the Incidents Handled by CNCERT
(Aug 28-Sep 3)**
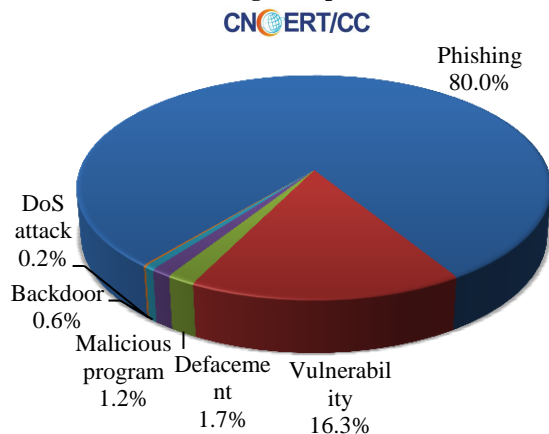
Specifically, CNCERT has coordinated domestic and overseas domain registrars, international CERTs and the other organizations to handle 516 phishing incidents. Based on industries that these phishing targets belong to, there were 486 banking phishing incidents and 15 ISP phishing incidents.

Phishing Incidensts Handled by CNCERT Based on Industries of the Phishing Targets (Aug 28-Sep 3)

CNCERT Coordinated Domestic to Handle Phishing Incidents (Aug 28-Sep 3)
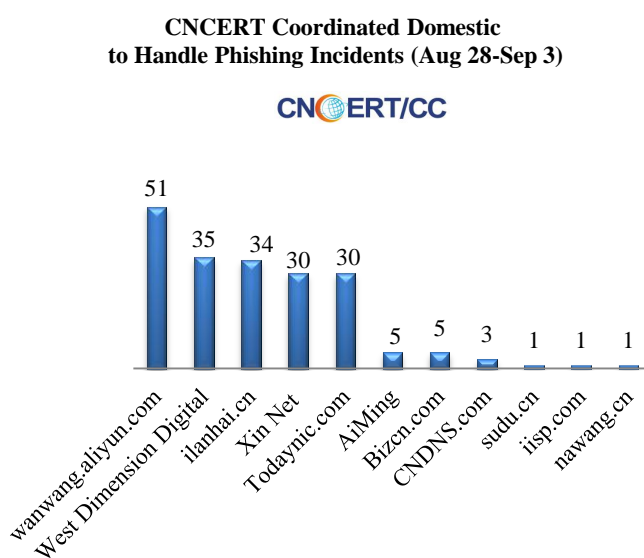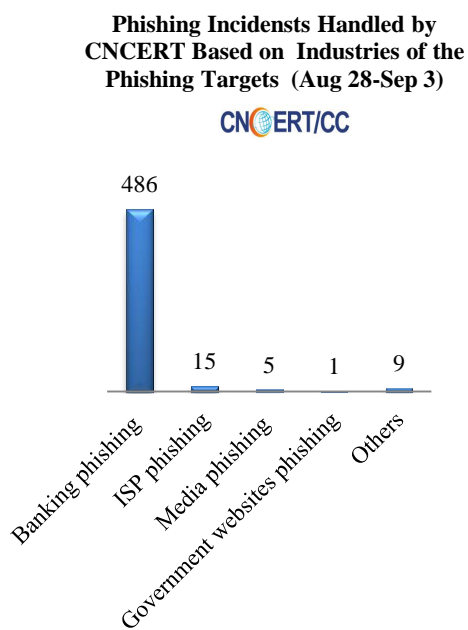
This week, CNCERT has coordinated 3 mobile phone application stores and malware-injected domains to handle 6 malicious URL of the mobile malware.

CNCERT Coordinated Mobile Phone Application Stores to Handle Mobile Malware (Aug 28-Sep 3)
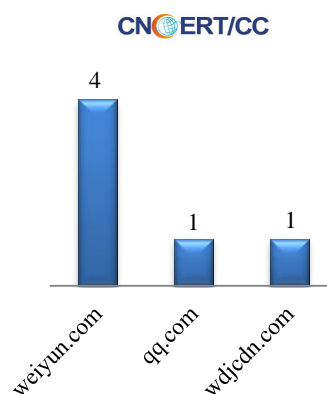
About CNCERT

The National Computer network Emergency Response Technical Team / Coordination Center of China (CNCERT or CNCERT/CC) is a non-governmental, non-profitable organization of network security technical coordination. Since its foundation in Sep.2002, CNCERT has dedicated to carrying out the work of preventing, detecting, warning and handling China network security incidents under the policy of "positive prevention, timely detection, prompt response, guaranteed recovery", to maintain the safety of China public Internet and ensure the safe operation of the information network infrastructures and the vital information systems. Branches of CNCERT spread in 31 provinces, autonomous regions and municipalities in mainland China.

CNCERT is active in developing international cooperation and is a window of network security incidents handling to the world. As a full member of the famous international network security cooperative organization FIRST and one of the initiators of APCERT, CNCERT devotes itself to building a prompt response and coordination handling mechanism of cross-border network security incidents. By 2016, CNCERT has established "CNCERT International Partners" relationships with 185 organizations from 69 countries or regions.

Contact us

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