

CMPSCI 177 - Computer Security
Fall 2009
Second Homework - Vulnerability Information

Due: Monday, 12 OCT 09 2:00pm

The intent of this homework is to get you familiar with the vulnerability databases that are available online.

1. Go to Mitre's **CVE** web site (<http://cve.mitre.org>).
 - (a) Search on the keywords IIS FTP Server. What is the corresponding CVE name?
 - (b) What phase is it in?
 - (c) What is the number of the first vulnerability (not necessarily IIS related) in 2009?
 - (d) What system(s) was involved in this vulnerability?
 - (e) What phase is it in?
 - (f) How does a Candidate become a CVE entry?

2. Go to NIST's **National Vulnerability Database (NVD)** web site (<http://nvd.nist.gov/>).
 - (a) Search on the keywords IIS FTP Server. What is the corresponding CVE name?
 - (b) What is the severity rating
 - (c) Search for vulnerabilities in Adobe Acrobat reader. What is the latest vulnerability, and what is its severity?
 - (d) How did the latest vulnerability in adobe acrobat happen (see vulnerability type)?
 - (e) Using the statistics section, determine what percentage of the vulnerabilities are remotely exploitable for 2008.

3. Go to **US-CERT** at web page (<http://www.us-cert.gov>).
 - (a) What is the first US-CERT entry that you can find that refers to the recent IIS FTP Server vulnerability?
 - (b) What is the relationship between US-CERT and the **CERT** coordination center web page (<http://www.cert.org>)?
 - (c) Where is the CERT coordination center physically located?

4. Go to the **Bugtraq** web page (<http://www.securityfocus.com>)
 - (a) What is the first Bugtraq entry that you can find that refers to the IIS FTP Server vulnerability?
 - (b) How does Bugtraq differ from CVE, NVD, CERT, and US-CERT?

5. What other Bugtraq-like or CERT-like resources are available on the net (some may be specialized to certain OSs or other areas of interest)