

Web Application Security

Basic SQL injection Basic Click Jacking



OWASP 11th August, 2012 Vinod Senthil T
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\$whoami

Vinod T Senthil - Information security consultant/researcher for infySEC. By Qualification he is a Computer Science engineer, MBA in IT along with a Diploma in Cyber crime.

Also posses some certifications such as

- SANS Certified Intrusion Analyst GCIA
- Certified Ethical Hacker (CEH)
- Certified Hacker Forensics Investigator (CHFI)
- Checkpoint Certified Security Administrator (CCSA)
- Oracle Certified Associate (OCA)
- Microsoft Certified Professional (MCP)
- IT Infrastructure Library (ITIL V3)
- Cisco Certified Network Administrator (CCNA)



What is the 'Worlds MOST Secured System'?

The worlds most secured system is a system, That is dug 10000 miles underground, and surrounded by 10000 volts of electrified fences and filled with toxic nitrous gas on all sides, with a bunch of trained army men, and still it stays to be one of the most vulnerable piece of a code.

Little of History

Millions of Orkut Accounts Compromised?

Tagged with: hack orkut, how to hack orkut account, orkut account compromised, orkut account hacked, orkut account profile, orkut apps, orkut profile picture, orkut profile replaced, orkut theme, recover hacked orkut account, recover orkut account

Posted by Robin on Tuesday, February 16, 2010, 21:00

This news item was posted in Alerts, News category and has 1 Comment so far.



Hello there! If you are new here, you might want to subscribe to the RSS feed for updates on this topic.



There is an unconfirmed report that millions of orkut accounts are actually compromised by hackers. The attack origination and nature is yet to be known. Users are still have access to their account, unfortunately their profile data's are completely modified to some unwanted contents replaced in all fields including



retweet

profile picture. We have sent some notification and waiting for the reply from **orkut security center**. It also appears like orkut is not responding to any such user requests.

This could be a virus or keylogger problem happens in the user end. Ofcourse, orkut can be no where responsible for such attacks. We as the internet user should keep our anti virus in updated mode always.

Will come up with more detailed info on this soon.



Technology & science / security

40 million credit cards exposed

Payment processor blamed in mishap

msnbc

By Bob Sullivan

Technology correspondent msnbc.com updated 7:54 p.m. ET June

Viewed by the numbers, it's the largest security breach made public in recent memory.

An "unauthorized individual" infiltrated the computer network of a third-party payment processor and may have stolen up to 40 million credit card numbers, MasterCard International revealed Friday. All brands of credit cards were exposed in the attack; about 14 million of the 40 million accounts exposed were MasterCard accounts, the firm said.

MasterCard spokeswoman Jessica Antle said other important personal information, such as Social Security Numbers and birthdays, was not stolen during the incident.





Twitter Hacked, Defaced By "Iranian Cyber Army"

by Michael Arrington on Dec

785 Comments 4136 retweet



2828





We've received multiple tips right around 10 pm that Twitter was hacked and defaced with the message below. The site was offline for a while.

We're looking into this and awaiting on a response from Twitter.

The message read:

Iranian Cyber Army

THIS SITE HAS BEEN HACKED BY IRANIAN CYBER ARMY

iRANIAN.CYBER.ARMY@GMAIL.COM

Indian IT giant TCS hacked, website put on sale

Tuesday,09 February 2010, 06:46 hrs

Comment(18) a Print Forward

Mumbai: Indian Software giant Tata Consultancy Services (TCS) became the first private company to be a target of hackers in India when the company's website was hacked and domain name was put up for sale. Usually, government website like telecom regulator's trai.gov.in and other such websites have been targeted by hackers.

The company's official website www.tcs.com displayed the message 'this domain name is for sale' for nearly three hours, before the portal was restored by around 7 am, according

to Economic Times.



When contacted by ET, a TCS spokesman said the attacks happened at the domain name registrar's end, which is Network Solutions in this case. Network Solutions is one of the top five domain name registrars on internet, managing almost 6.4 million domains. "The TCS website www.tcs.com was disrupted. Subsequently, it has been restored and is functioning fine. None of the servers were compromised. Initial investigation reveals a DNS redirection at the domain name registrar's end. Further investigations are on," said a TCS spokesperson.

A denial of service attack makes a website or a computer unavailable for target users, traditionally aimed at high-profile banks, credit card companies, government

portals and other corporates. By hacking a domain name, hackers are able to redirect





Nightly News 🔻



Technology & science / security

Foreign reporters' Gmail hacked in China

Claims follow similar attacks against e-mail of human rights activists

Ap Associated Press

updated 2:07 p.m. ET Jan. 18, 2010

BEIJING - There are new claims that China may be hacking into more Google e-mail accounts.

The Foreign Correspondents Club of China has e-mailed members warning that reporters in at least two news bureaus in Beijing claim their Gmail accounts had been invaded. They said their e-mails had been forwarded to unfamiliar accounts.

One of the accounts involved belongs to an Associated Press reporter. An AP editor in New York says an investigation has been launched to determine if any vital information was

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Symantec Online Store Hacked

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November 23rd, 2009, 11:51 GMT| By Lucian Constantin

Ads by Google

Online Store

Symanted

Symanted Anti Virus

VWWW Symantec.com

Symanted Ghost Image



A self-proclaimed grey-hat hacker has located a critical SQL injection vulnerability in a website belonging to security giant Symantec. The flaw can be leveraged to extract a wealth of information from the database including customer and admin login credentials, product serial numbers, and possibly credit card information.



The flaw was found by a Romanian hacker going by the online handle of Unu, according to whom an insecure parameter of a script from the pcd.symantec.com website, allows for a blind SQL

injection (SQLi) attack to be performed. In such an attack, the hacker obtains read and/or write permission to the underlying database of the vulnerable website.

During a regular SQLi attack, the result of a regue SQL guery is displayed inside the browser instead of the normal web page output. Meanwhile, in a blind SQL injection, the guery executes, but the website continues to display normally, making it much more difficult to extract information.



The content of the pcd.symantec.com website is written in Japanese, but from what we could determine, it serves a product called Norton PC Doctor, Accessing most of the website's sections requires authentication, and in order to exploit the





Top FAQ Answers How to install a key file for Kaspersky Lab products version 6.0 received from the activation site of Kaspersky Lab How to Install Kaspersky Lab products: version 6 D How to install the Kaspersky Administration Kit What rights should the account have

Kaspersky Support

« Back to Support

5.0.24:support@usa.kaspersky-labs.com:kaspersky

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Gmail hacked by Cyber hackers of China | Pishing Hacking Attack

June 2, 2011

By admin

Google Officials gave the statement over the gmail hacking that the Google Gmail Accounts are being hacked by Cyber hackers of china. Thousands of Gmail accounts password been hacked under this acts know as "Pishing" it is also stated that some of the US officials, Military Persons Gmail account were also targeted. Officials say that this hacking done from Jinan, China.



This cyber space hacking games between china and US is running since long time at various ways and now hacking of Google Gmail is one of them. This hacking controversy could be the linked with the restrictions on Google operation in the china while according to the Google statement our huge number of employee working under Google china.

Chinese officials rejects the Pishing Hacking allegation news and said we have no any report of any Chinese official involvement in this cyber attack and we did not accept such type of allegation put over china. As for as Hacking concerned China is the biggest victim of Hackers belong to US. We don't support any kind of hacking.

Hacking Of Sony Playstation May Affect 75 Million People

MoxNewsDotCom 6,627 videos ≥



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Sony Hacked Again; 25 Million Entertainment Users' Info at Risk

By Jason Schreier 🖾 📵 May 2, 2011 | 7:11 pm | Categories: Online Gaming



It's bad news piled on top of bad news for Sony.

Hackers may have stolen the personal information of 24.6 million Sony Online Entertainment users, the company said on Monday. More than 20,000 credit card and bank account numbers were also put at risk. This is in addition to the recent leak of over 70 million accounts from Sony's PlayStation Network and Qriocity services.

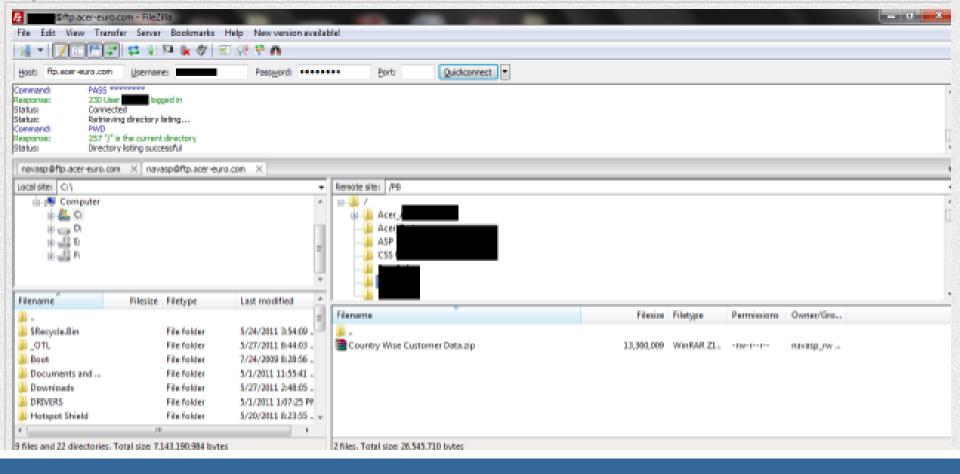
"We are today advising you that the personal information you provided us in connection with your SOE account may have been stolen in a cyberattack," Sony wrote in a statement on its website on Monday.

Sony Online Entertainment is a division of the company that publishes online multiplayer games like the recently released *DC Universe Online*. Sony turned off all SOE game services Monday after it learned of the intrusion.

Sony said that the compromised personal information includes customers' names, addresses, e-mail addresses, birth dates, gender, phone numbers, logins and hashed passwords.



2.) FTP Access on acer-euro.com



Zuckerberg's Facebook page hacked























Facebook founder Mark Zuckerberg. (Getty Images)

(CNN) -- Facebook founder Mark Zuckerberg's fan page was hacked Tuesday -- a high-profile breach on a site that constantly faces scrutiny about its handling of its members' private data.

The message that appeared on Zuckerberg's page under his name read: "Let the hacking begin: If Facebook needs money, instead of going to the banks, why doesn't Facebook let its users invest in Facebook in a social way? Why not transform Facebook into a 'social business' the way Nobel Price winner Muhammad Yunus described it?

http://bit.ly/fs6rT3 What do you think? #hackercup2011"



The message received more than 1,800 "likes" before it was removed from the page. Facebook's representatives have not returned calls seeking comment.

Zuckerberg wasn't the only famous figure to have his Facebook page hacked. A hacker posted a message on French President Nicolas Sarkozy's wall on Sunday that stated the

6.4 Million Passwords Reportedly Stolen From LinkedIn Website



Yahoo hacked, 450,000 passwords posted online



By Doug Gross, CNN

July 12, 2012 -- Updated 1621 GMT (0021 HKT) | Filed under: Web











Print



[TECH: NEWSPULSE]

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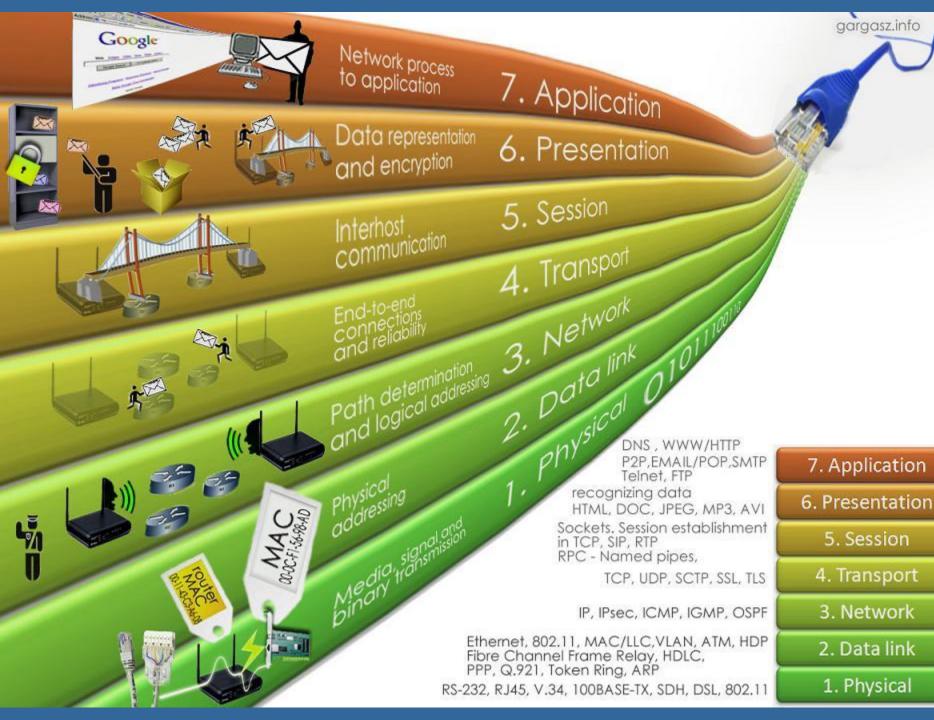
Facebook updates its antibullying features

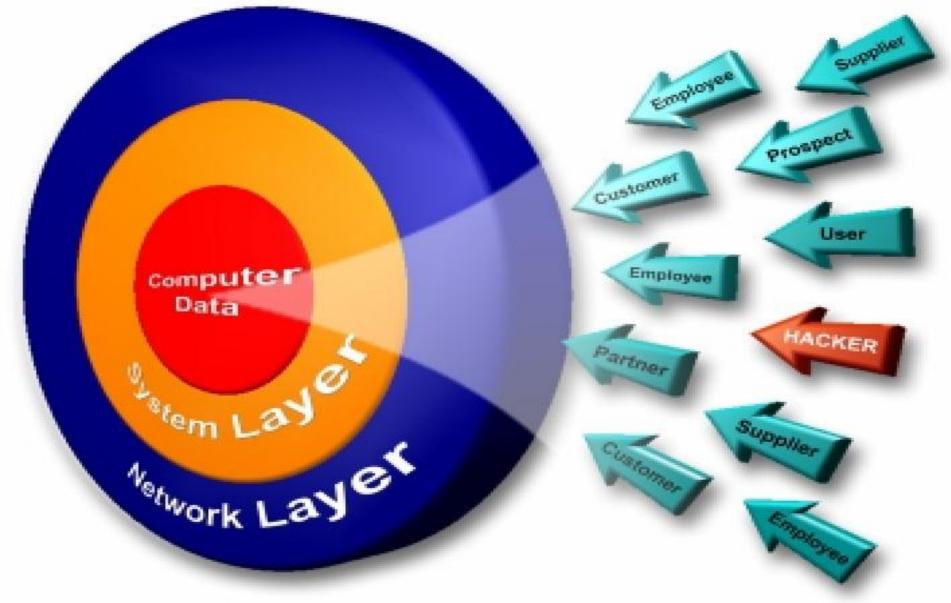


Apple abandons green certification

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Attacks shifted its focus from Outer layers to Inner layers of the OSI Model

OWASP





Top 10 ATTACKS

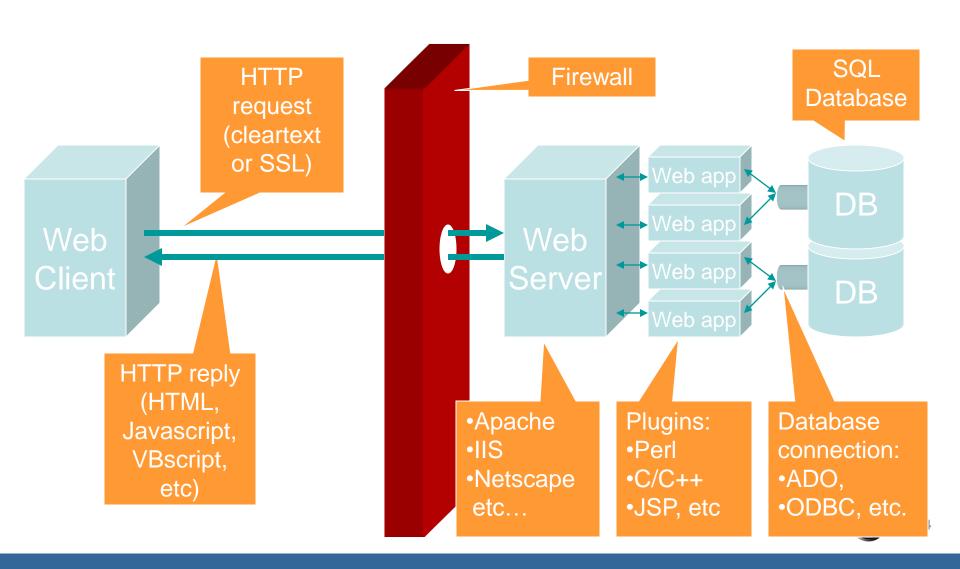
■ Be Happy for being a elite crowd, why?

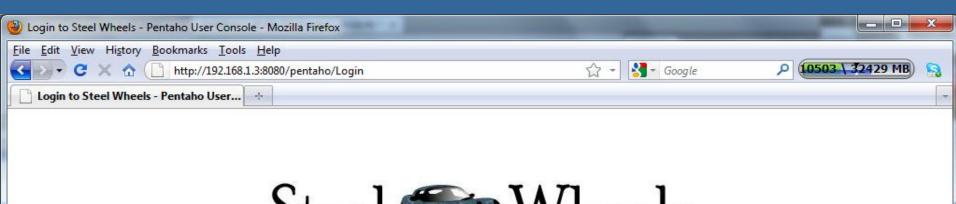
Top 10 attacks (Injection stays at top)

OWASP Top 10 – 2007 (Previous)	OWASP Top 10 – 2010 (New)
A2 – Injection Flaws	A1 – Injection
A1 – Cross Site Scripting (XSS)	A2 – Cross Site Scripting (XSS)
A7 – Broken Authentication and Session Management	A3 – Broken Authentication and Session Management
A4 – Insecure Direct Object Reference	A4 – Insecure Direct Object References
A5 – Cross Site Request Forgery (CSRF)	A5 – Cross Site Request Forgery (CSRF)
<was 2004="" a10="" configuration="" insecure="" management="" t10="" –=""></was>	A6 – Security Misconfiguration (NEW)
A10 – Failure to Restrict URL Access	A7 – Failure to Restrict URL Access
<not 2007="" in="" t10=""></not>	A8 – Unvalidated Redirects and Forwards (NEW)
A8 – Insecure Cryptographic Storage	A9 – Insecure Cryptographic Storage
A9 – Insecure Communications	A10 - Insufficient Transport Layer Protection
A3 – Malicious File Execution	<dropped 2010="" from="" t10=""></dropped>
A6 – Information Leakage and Improper Error Handling	<dropped 2010="" from="" t10=""></dropped>



Typical Web Application Setup





Steel Wheels

Login to Steel Wheels		
Usernan	ne	
joe		
Passwo	rd	
•••••	•••	
Login		

How it works?

Example:

```
User-Id: infySEC

Password: infySEC123
```

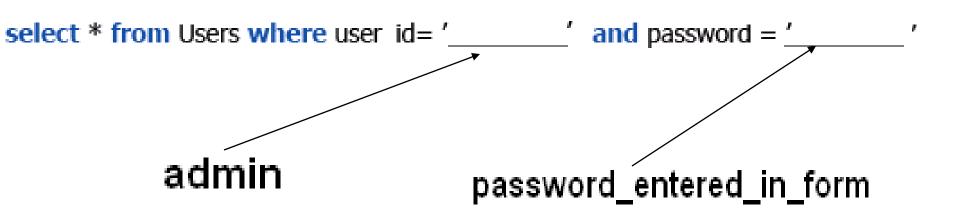
select * from Users where user id= 'infySEC' and password = 'infySEC123'

How it works?

■ Example:

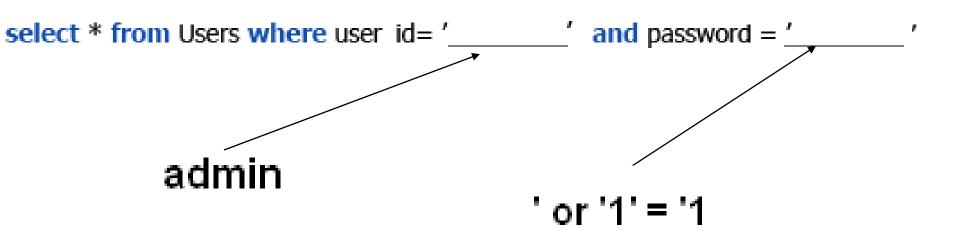
```
User-ld: admin

Password: ' or '1' = '1
```



How it works?

■ Example:



Examining

select * from Users where user id= ' and password = '

■ AND STATEMENT

(I love TRISHA) AND (I LOVE JENILIA) = TRUE (I love SANTHANAM) AND (I love JENILIA) = FALSE

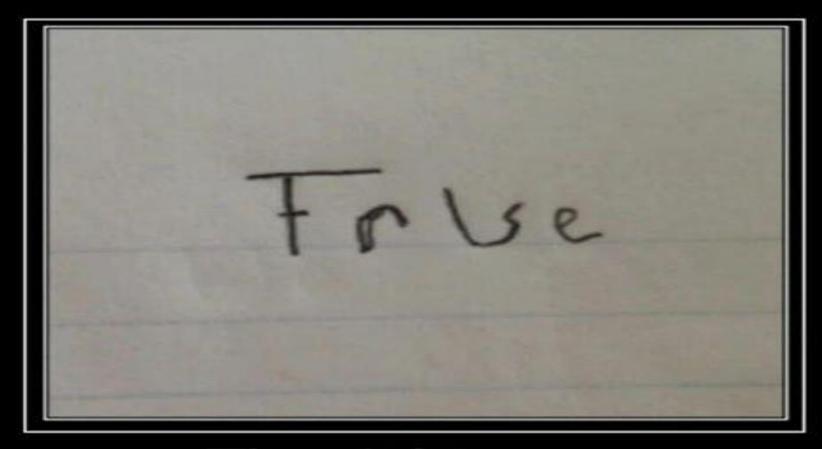
■ OR STATEMENT

(I love TRISHA) OR (I LOVE JENILIA) = FALSE

(I love SANTHANAM) OR (I love JENILIA) = TRUE

Examining

Question?



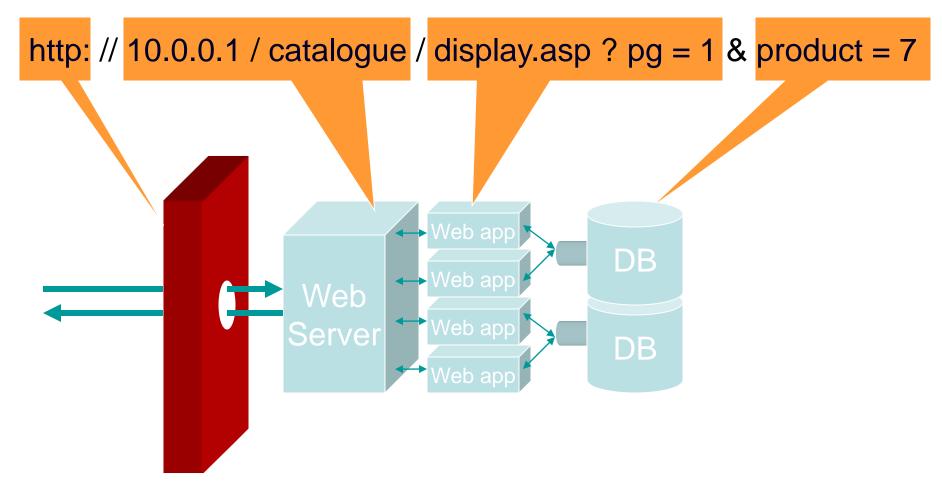
The right way

To answer true and false questions

What is Click Jacking & Tab Nabbing?

■ Want to hear from you ⓒ

The Cruise-Missile Structure



Intro

- ERROR Based SQL injection
- Blind SQL Injection
- LDAP injection
- XML Path Injection

Other vectors than Top 10

Popular Tests		
Incubated vulnerability - Incubated vulnerability	Testing for SQL Wildcard Attacks - SQL Wildcard vulnerability	
Testing for HTTP Splitting/Smuggling - HTTP Splitting, Smuggling	Locking Customer Accounts - Locking Customer Accounts	
SSI Injection - SSI Injection	Testing for DoS Buffer Overflows - Buffer Overflows	
XPath Injection - XPath Injection	User Specified Object Allocation - User Specified Object Allocation	
IMAP/SMTP Injection - IMAP/SMTP Injection	User Input as a Loop Counter - User Input as a Loop Counter	
Code Injection - Code Injection	Writing User Provided Data to Disk - Writing User Provided Data to Disk	
OS Commanding - OS Commanding	Failure to Release Resources - Failure to Release Resources	
Buffer overflow - Buffer overflow	Storing too Much Data in Session - Storing too Much Data in Session	
Incubated vulnerability - Incubated vulnerability	WS Information Gathering - N.A.	
Testing for HTTP Splitting/Smuggling - HTTP Splitting, Smuggling	Testing WSDL - WSDL Weakness	
Testing for File Extensions Handling - File extensions handling	XML Structural Testing - Weak XML Structure	
Old, backup and unreferenced files - Old, backup and unreferenced files	XML content-level Testing - XML content-level	
Infrastructure and Application Admin Interfaces - Access to Admin interfaces	HTTP GET parameters/REST Testing - WS HTTP GET parameters/REST	
Testing for HTTP Methods and XST	Naughty SOAP attachments - WS Naughty SOAP attachments	
Credentials transport over an encrypted channel	Replay Testing - WS Replay Testing	
Testing for user enumeration - User enumeration	AJAX Vulnerabilities - N.A.	
Testing for Guessable (Dictionary) User Account	AJAX Testing - AJAX weakness	
Brute Force Testing - Credentials Brute forcing	Testing for Reflected Cross Site Scripting - Reflected XSS	
Testing for bypassing authentication schema	Testing for Stored Cross Site Scripting - Stored XSS	



Other vectors than Top 10

Popular Tests		
Testing for vulnerable remember password and pwd reset	Testing for DOM based Cross Site Scripting - DOM XSS	
Testing for Logout and Browser Cache Management	Testing for Cross Site Flashing - Cross Site Flashing	
Testing for CAPTCHA - Weak Captcha implementation	SQL Injection - SQL Injection	
Testing Multiple Factors Authentication	LDAP Injection - LDAP Injection	
Testing for Race Conditions - Race Conditions vulnerability	ORM Injection - ORM Injection	
Testing for Session Management Schema	XML Injection - XML Injection	
Testing for Cookies attributes	SSI Injection - SSI Injection	
Testing for Session Fixation	XPath Injection - XPath Injection	
Testing for Exposed Session Variables	IMAP/SMTP Injection - IMAP/SMTP Injection	
Testing for CSRF	Code Injection - Code Injection	
Testing for Path Traversal	OS Commanding - OS Commanding	
Testing for bypassing authorization schema	Buffer overflow - Buffer overflow	
Testing for Privilege Escalation - Privilege Escalation	Spiders, Robots and Crawlers	
Testing for Business Logic - Bypassable business logic	Search Engine Discovery/Reconnaissance	
Testing for Reflected Cross Site Scripting - Reflected XSS	Identify application entry points	
Testing for Stored Cross Site Scripting - Stored XSS	Testing for Web Application Fingerprint	
Testing for DOM based Cross Site Scripting - DOM XSS	Application Discovery	
Testing for Cross Site Flashing - Cross Site Flashing	Analysis of Error Codes	
SQL Injection - SQL Injection	SSL/TLS Testing	
LDAP Injection - LDAP Injection	DB Listener Testing - DB Listener weak	
ORM Injection - ORM Injection	XML Injection - XML Injection	

Thank you

The Best Part in ones life IS
DOING WHAT PEOPLE SAY YOU CANNOT DO

- Vino

Flow our blog at:

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