Attacking Back-End Components

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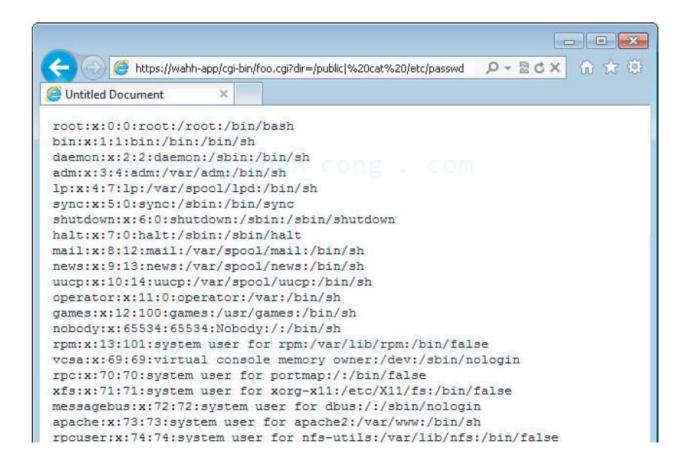
Injecting OS Commands

- exec in PHP
- wscript.shell in ASP

```
#!/usr/bin/perl
use strict;
use CGI qw(:standard escapeHTML);
print header, start_html("");
print "print "command = "du -h --exclude php* /var/www/html"
$command= $command.param("dir");
$command= $command';
print "$command\n";
print end html;
```



Injecting OS Commands



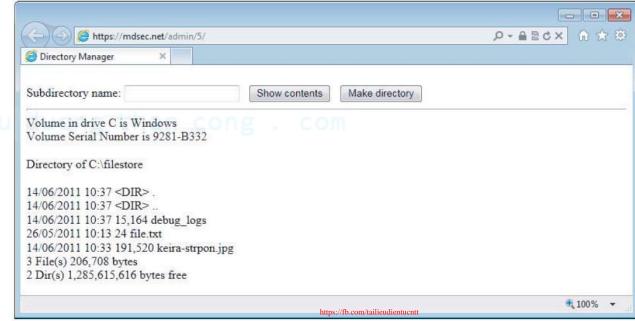
Injecting OS Commands

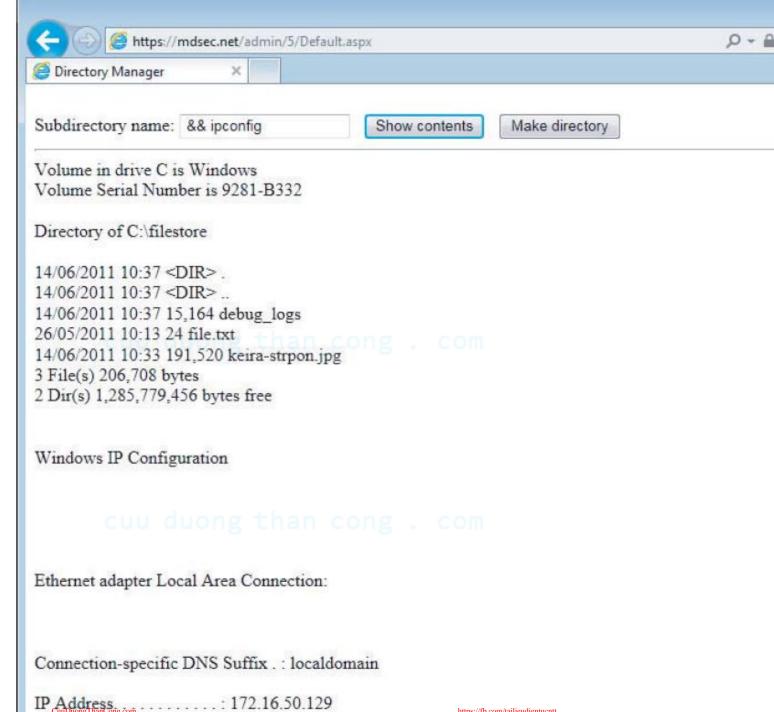
Injecting Via ASP

```
string dirName = "C:\\filestore\\" + Directory.Text;
ProcessStartInfo psInfo = new ProcessStartInfo("cmd", "/c dir " +
dirName);
...
```

Process proc = Process.Start(psInfo);

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https://fb.com/tailieudientucntt

Finding OS Command Injection Flaws

- The characters; | &
- The backtick character (`)
- The > character

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Path Traversal Vulnerabilities

http://mdsec.net/filestore/8/GetFile.ashx?filename=keira.jpg

http://mdsec.net/filestore/8/GetFile.ashx?filename=..\windows\win.ini

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Attacking Application Logic

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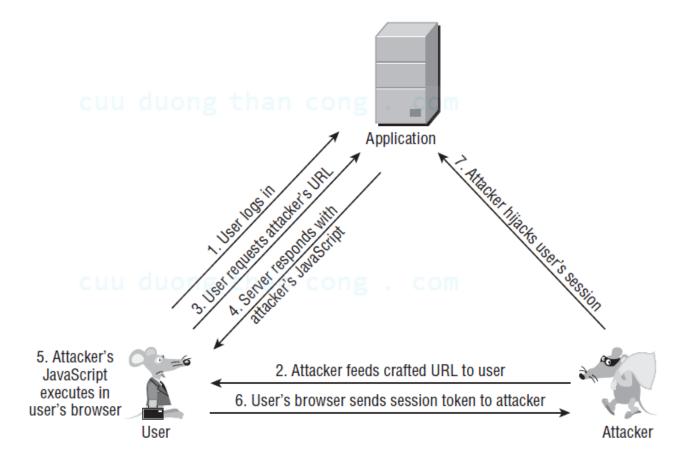
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Attacking Users: Cross-Site Scripting

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Exploiting the Vulnerability

reflected XSS attack

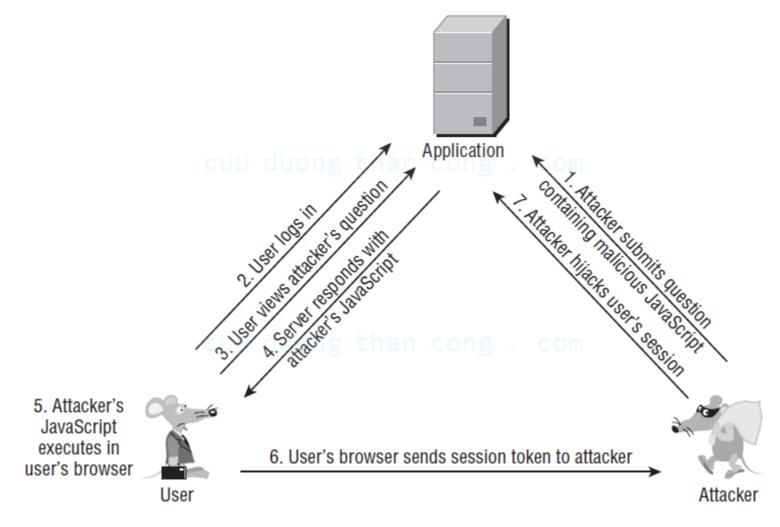


Stored XSS Vulnerabilities

 This version arises when data submitted by one user is stored in the application (typically in a backend database) and then is displayed to other users without being filtered or sanitized appropriately

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Stored XSS Vulnerabilities



Finding and Exploiting XSS Vulnerabilities

"><script>alert(document.cookie)</script>

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