

# Web Application Pentesting



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Certifications: <http://www.securitytube-training.com>

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# Remote Code Execution with LFI and Log Poisoning

# RCE with LFI and Log Poisoning

- Services use logs
  - Apache, SSH etc.
- These services are accessible over the Internet
- Attacker injects PHP code into logs

# Lab Setup

- Metasploitable 2
- <http://sourceforge.net/projects/metasploitable/files/Metasploitable2/>

# Vulnerable Code

```
<?php

$page = $_REQUEST["page"];
echo "File included: $page<br>";
echo "<br><br>";
$local_file = "html/".$page.".html";
echo "Local file to be used: ".$local_file;
echo "<br><br>";

include $local_file;

?>
```

# Apache Log Permissions

Before

```
msfadmin@metasploitable:~$ ls -l /var/log/  
total 1996  
drwxr-x--- 2 root      adm          4096 2014-08-30 07:42 apache2
```

After

```
msfadmin@metasploitable:~$ sudo chmod 755 -R /var/log/apache2  
[sudo] password for msfadmin:  
msfadmin@metasploitable:~$ ls -l /var/log/  
total 1996  
drwxr-xr-x 2 root      adm          4096 2014-08-30 07:42 apache2
```

<http://security.stackexchange.com/questions/11098/how-can-log-poisoning-be-successful-with-a-local-file-inclusion-attack>



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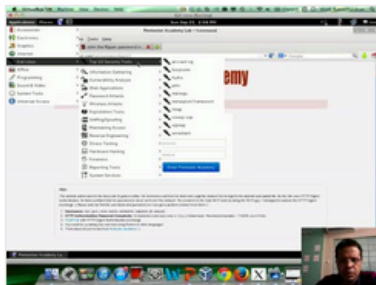
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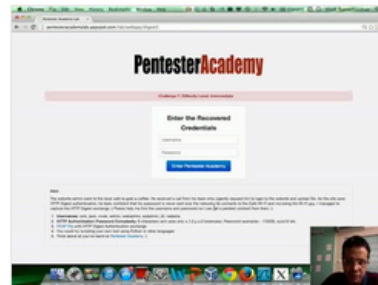
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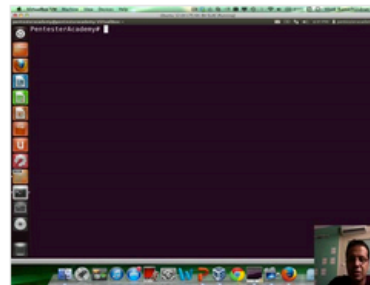
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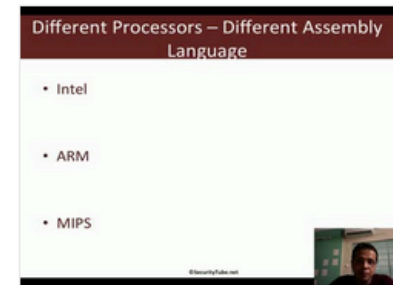
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