Building Secure ColdFusion Applications

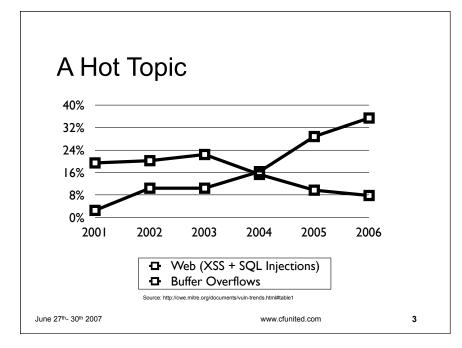
Presented By Pete Freitag Principal Consultant, Foundeo Inc.

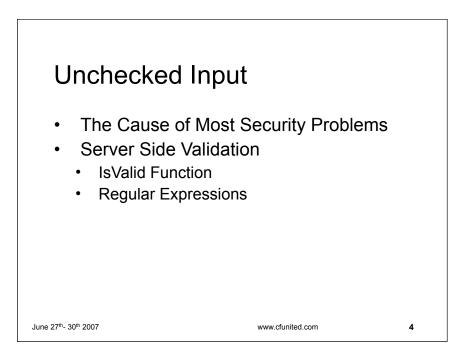
The Plan:

- 1. Unchecked Input
- 2. File Uploads
- 3. XSS Cross Site Scripting
- 4. SQL Injection
- 5. Cross Site Request Forgery
- 6. CRLF Injection
- 7. Session Hijacking

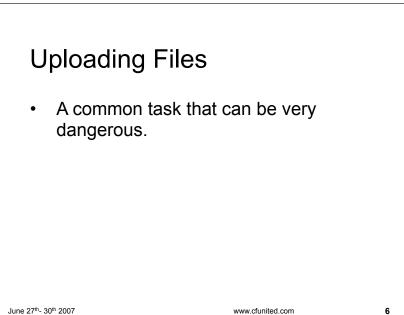
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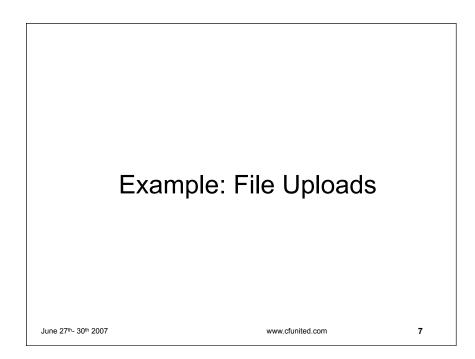
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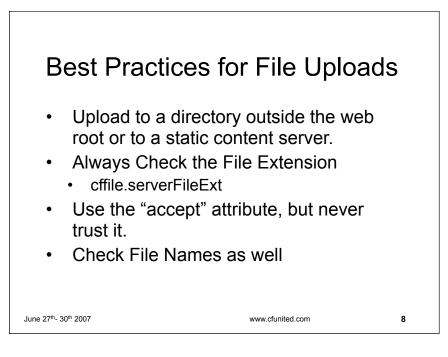


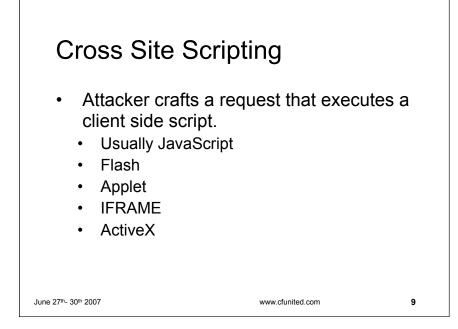


What Are The Inputs? **URL** Variables ٠ FORM Variables ٠ Cookies ٠ HTTP Request Headers (CGI Scope) ٠ • User Agent Referrer ٠ • Other Headers June 27th- 30th 2007 5 www.cfunited.com

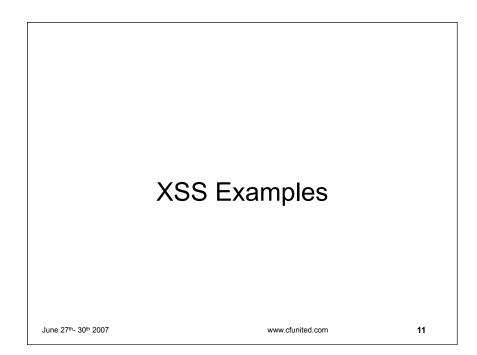


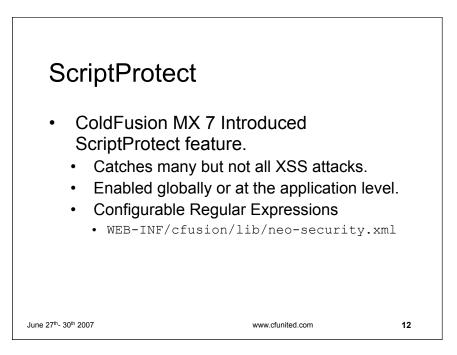


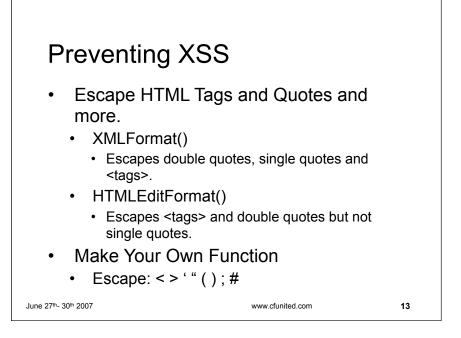


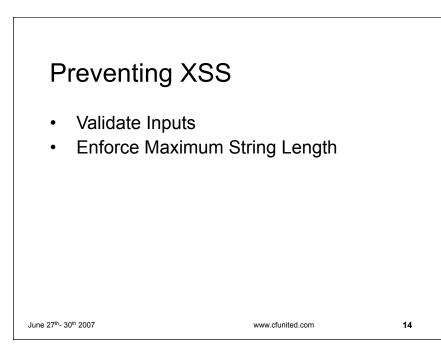


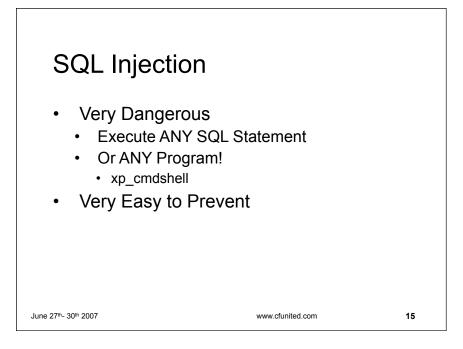






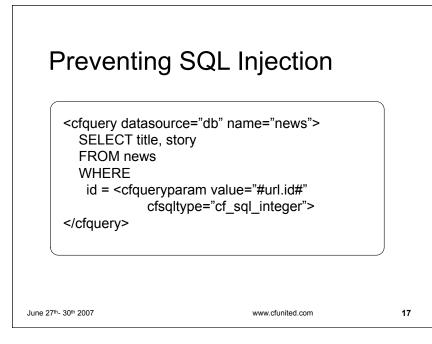


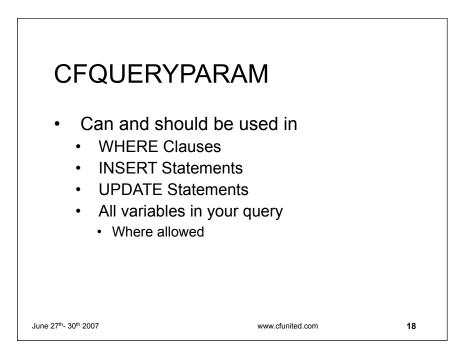


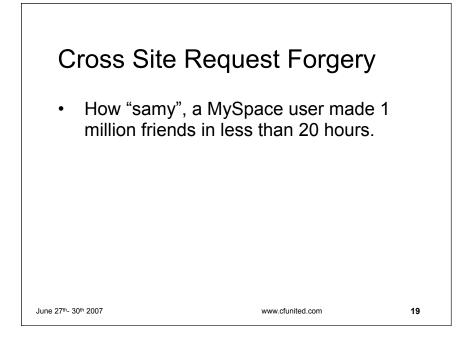


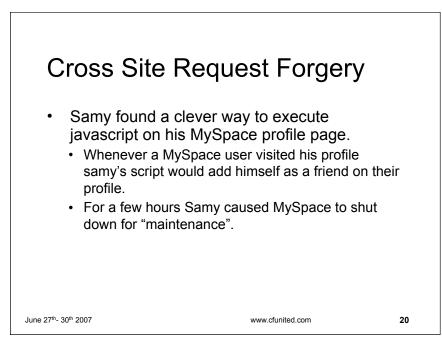
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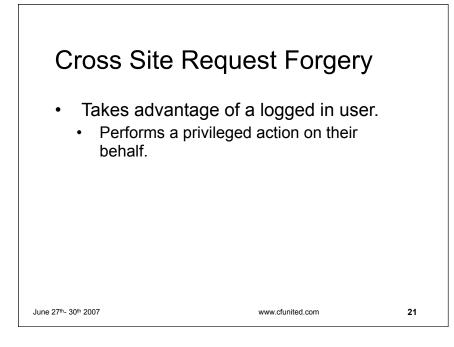
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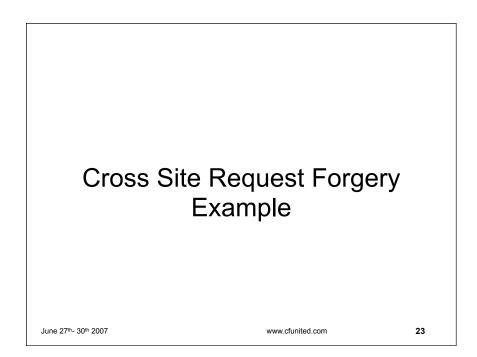


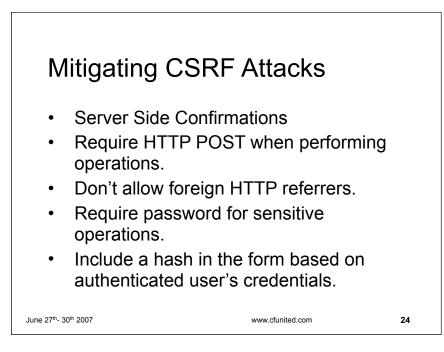


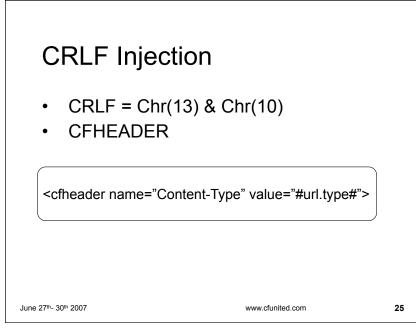


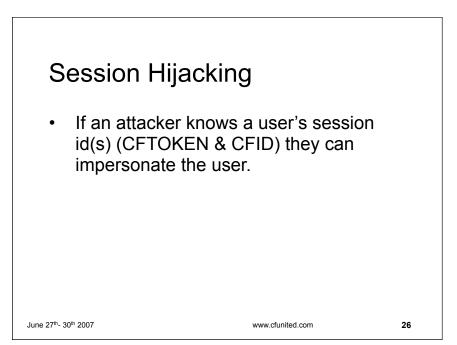
CSRF + XSS

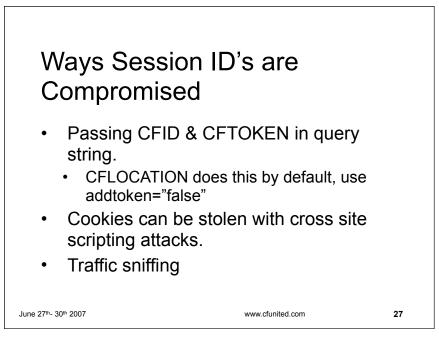
- You don't need an XSS hole to perform a Cross Site Request Forgery (CSRF).
 - However, with an XSS hole, HTTP POST requests can be executed behind the scenes with AJAX.
- CSRF could be performed by an IFRAME on a malicious web site.



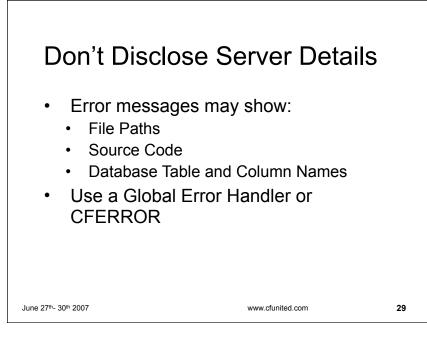


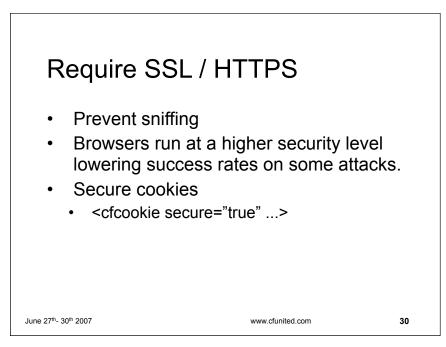


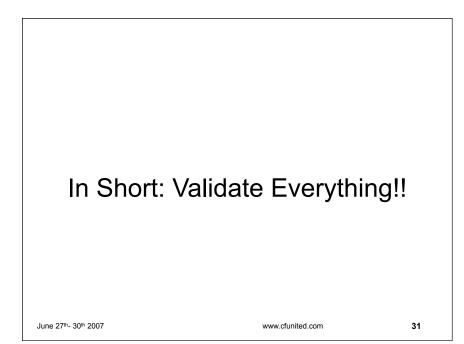




Ways to Prevent Hijacking Use SSL ٠ Don't put session ids in the URL ٠ Use long session ids ٠ • Enable "Use UUID for CFTOKENs" Integrity checking ٠ 28







Thanks.

Questions?

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