

Assignment (b): Traffic Observation & Analysis

Login Request Observation (DVWA)

URL: <http://localhost/dvwa/login.php>

Method: POST

Parameters:

- username=admin
- password=password
- Login=Login

Observation:

The login credentials are sent to the server using the POST method.

The username and password are visible in the request payload.

This shows how sensitive data travels from client to server.

The screenshot shows a Linux desktop environment with a terminal window and a NetworkMiner tool window. The terminal window shows a user named 'ankit' logging in with 'sudo su' and starting services like apache2 and mariadb. The NetworkMiner tool captures a POST request to 'http://localhost/dvwa/login.php'. The request parameters are visible in the Network tab:

Parameter	Value
username	admin
password	password
Login	Login

The NetworkMiner interface also shows other captured requests and responses, including static files like login.php, login.css, and favicon.ico.

Form Request Observation (DVWA Command Injection)

URL: http://localhost/dvwa/vulnerabilities/exec/

Method: GET

Parameters:

- ip=127.0.0.1
- Submit=Submit

Observation:

The input value is sent via GET method.

The parameters are visible directly in the URL.

This can be dangerous because attackers can manipulate input.

The screenshot shows a browser window on a Parrot Security OS desktop environment. The title bar says 'Parrot Security' and the address bar shows 'http://localhost/dvwa/vulnerabilities/exec/'. The main content area displays the DVWA logo and the title 'Vulnerability: Command Injection'. Below it is a form titled 'Ping a device' with a text input field containing '127.0.0.1'. A 'Submit' button is next to the input field. The page displays the output of a ping command: 'PING 127.0.0.1 (127.0.0.1) 56(84) bytes of data'. Below this, a link to 'More Information' is provided, leading to a page about command injection attacks.

At the bottom of the screen, a NetworkMiner tool window is open, showing network traffic details. It lists several requests and responses, including a POST request to 'dvwa/vulnerabilities/exec/' with the parameter 'user_ip=127.0.0.1' and a GET request to 'dvwa/vulnerabilities/exec/'. The NetworkMiner interface includes tabs for Headers, Cookies, Request, Response, and Timings.