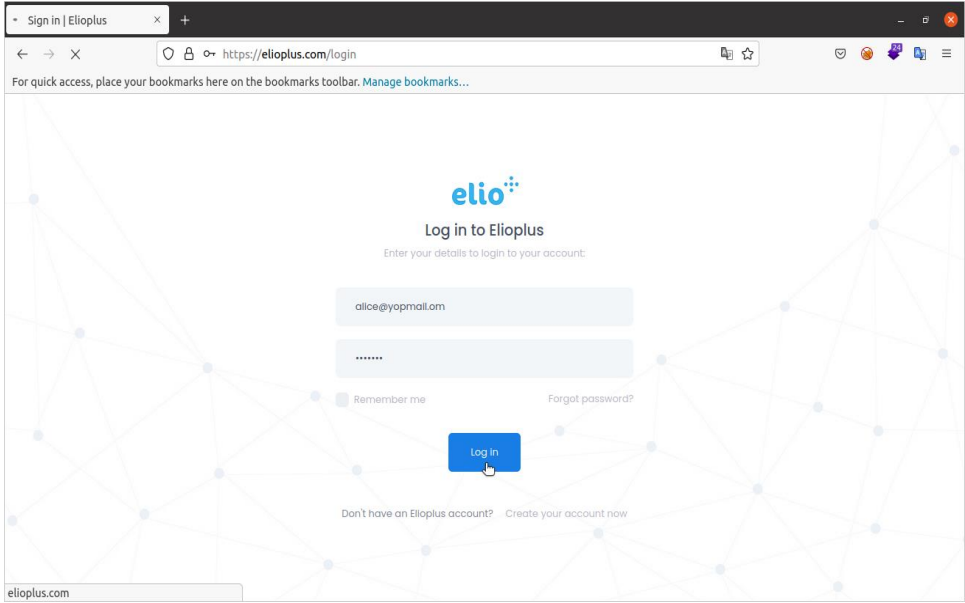
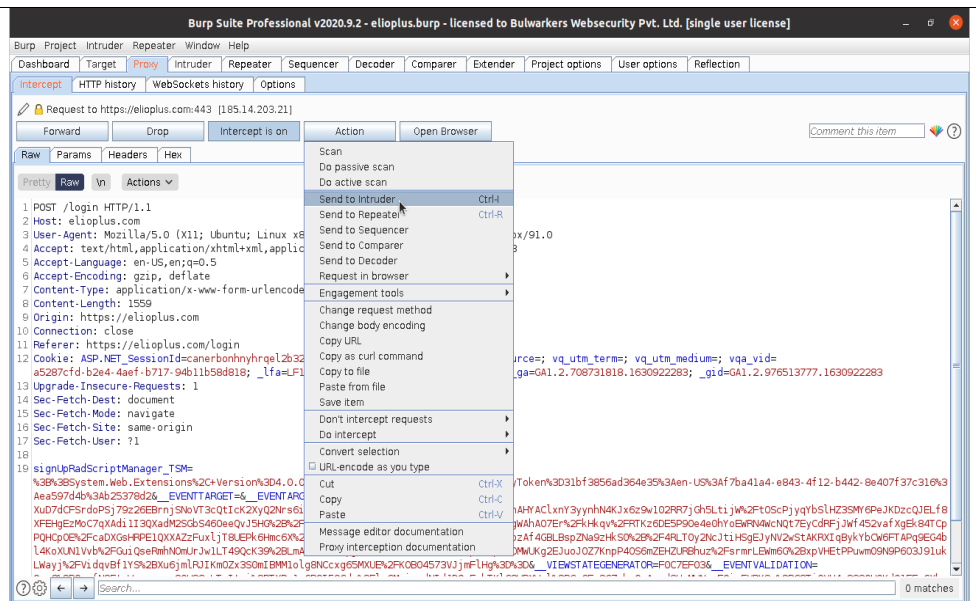
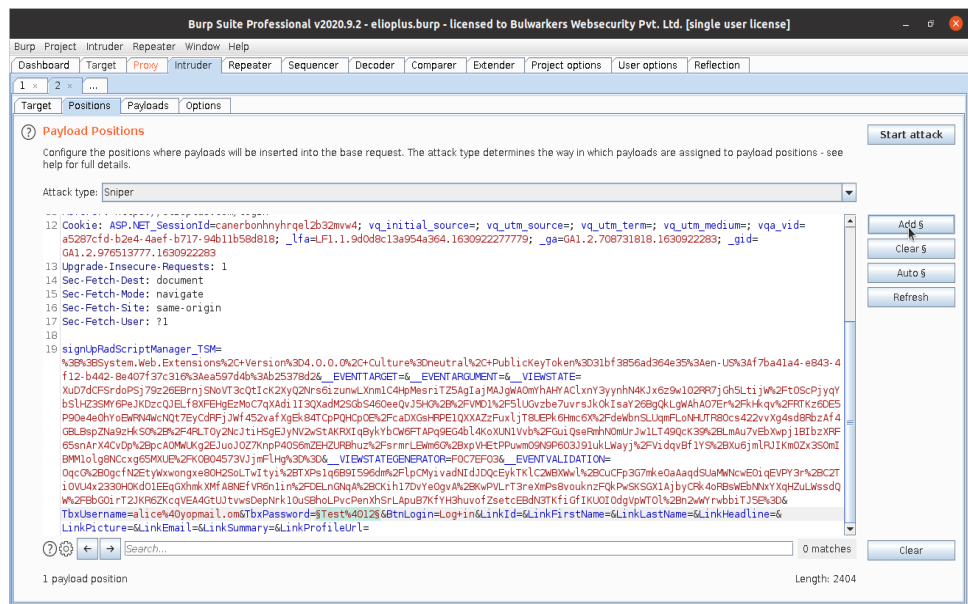


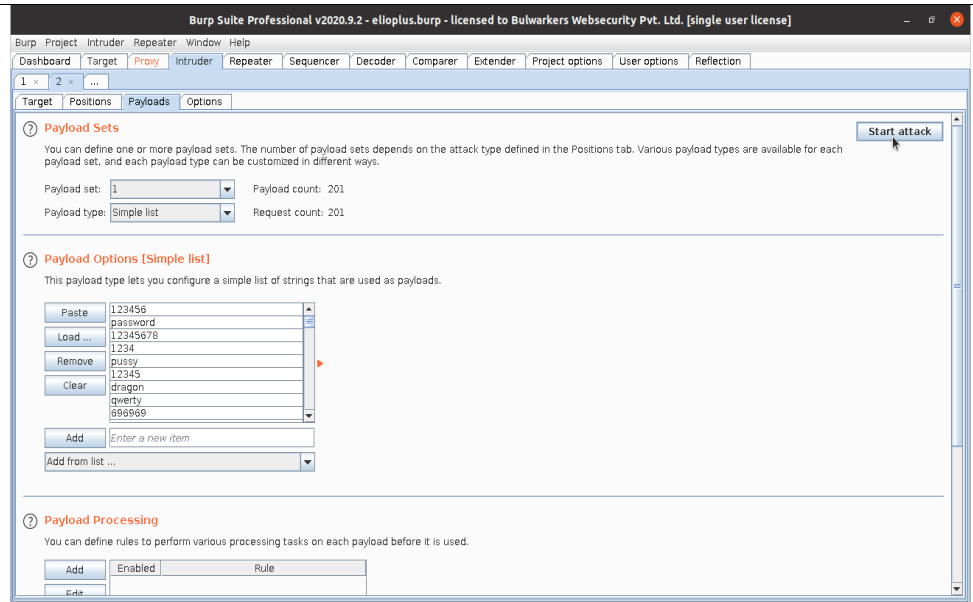
[elioplus] Password brute force attack on login page leads to account compromise	
Severity	HIGH
Security Control	Authentication
Vulnerability	Improper Restriction of Excessive Authentication Attempts [CWE-307]
Finding Description	When user tries to login to the application it will ask user to provide email and password. Application does not prevent password brute-force attempt on the login page. For invalid password application respond with status code "200". For valid password application set the session cookie with status code "302".
Method of Identification	Manual
Affected Resources	https://elioplus.com/login
Affected Parameter	TbxPassword
Evidence	<p><b>Step 1.</b> Navigate to login page and fill up the form.</p>  <p><b>Step 2.</b> Intercept the request and send it to intruder.</p>



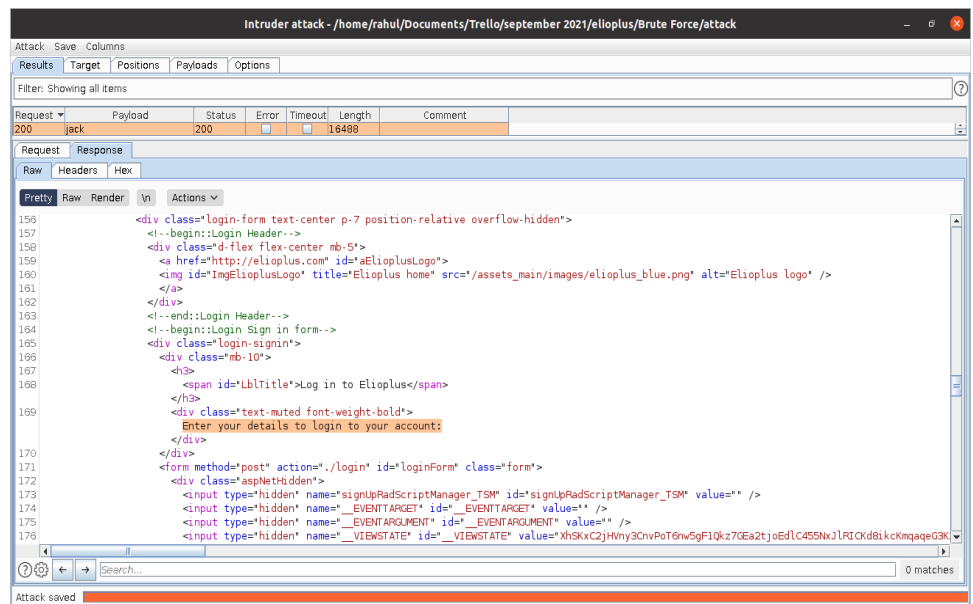
### Step 3. Set brute force point for password.



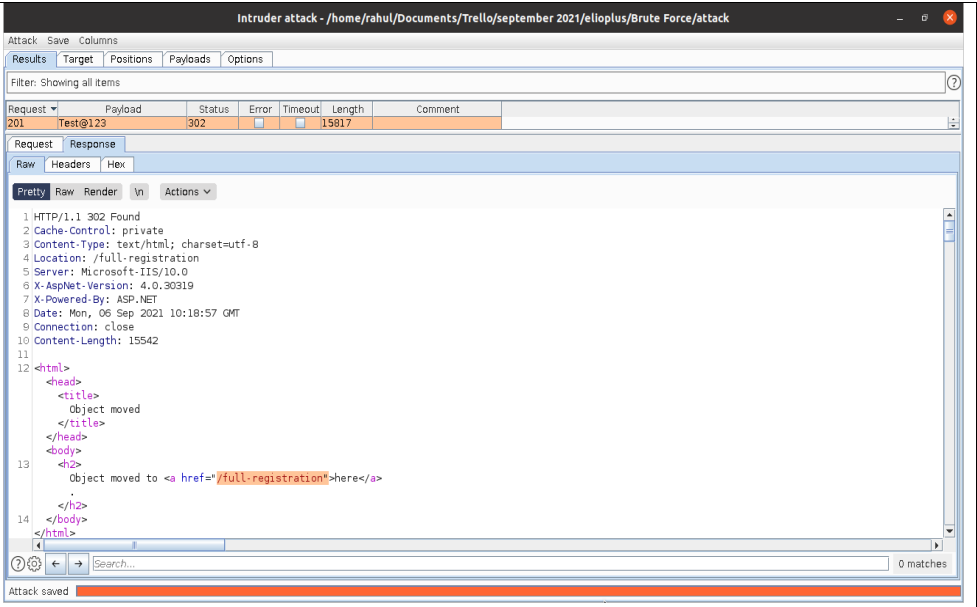
### Step 4. Provide list of password and start the attack.



## Step 5. Observe the response for failed attempt.



## Step 6. Observe the response for successful attempts.

	 <p>The screenshot shows the Burp Suite interface with the title bar 'Intruder attack - /home/rahu/Documents/Trello/september 2021/elioplus/Brute Force/attack'. The 'Results' tab is active, displaying a table with columns: Request, Payload, Status, Error, Timeout, Length, and Comment. The first row shows a request with payload 'Test@123', status '302', and length '15817'. Below the table, the 'Response' tab is selected, showing the raw HTTP response. The response starts with 'HTTP/1.1 302 Found' and includes headers like 'Cache-Control: private', 'Content-Type: text/html; charset=utf-8', and 'Location: /full-registration'. The body contains HTML with a title 'Object moved' and a link to '/full-registration'.</p>
Technical Impact	An attacker may attempt to discover a weak password by systematically trying every possible combination of letters, numbers and symbols until it discovers the one correct combination that works.
Remediation	Reference: <a href="https://www.owasp.org/index.php/Blocking_Brute_Force_Attacks">https://www.owasp.org/index.php/Blocking_Brute_Force_Attacks</a>