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April 2021

Lab 4

>> Document the version of the installer you will use to install ZAP.

- ZAP_2_10_0_windows.exe

>> Record the calculated hash value for your installer.

- CFF6885A98ABFEC9C33224CBA65DDEAD6B6DD4E61EFF8140C59D1A4F396250EB

>> Record if the calculated hash value matches the value from the XML file. **If the version does NOT match, you should not install ZAP.**

- CFF6885A98ABFEC9C33224CBA65DDEAD6B6DD4E61EFF8140C59D1A4F396250EB

>> Run the appropriate version of calculating the hash. Use a screen capture to copy the PowerShell or Terminal window that displays the execution and the result.

```
PS C:\Users\Morgan\Downloads> Get-FileHash ZAP_2_10_0_windows.exe -Algorithm sha256

Algorithm      Hash
-----
SHA256         CFF6885A98ABFEC9C33224CBA65DDEAD6B6DD4E61EFF8140C59D1A4F396250EB

PS C:\Users\Morgan\Downloads>
```

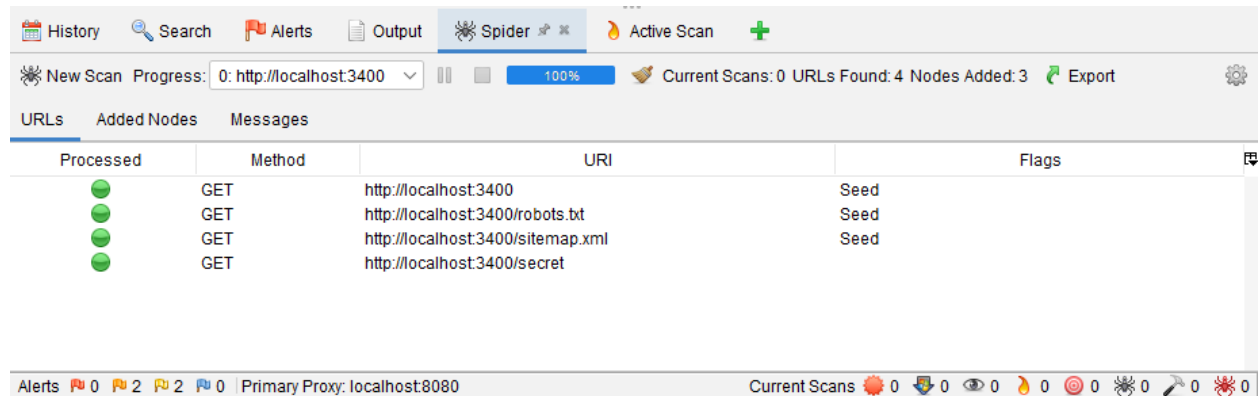
>> Again perform a screen capture of starting the node application on your computer.

```
C:\Users\Morgan\zaptest>npm update
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN zaptest@1.0.0 No description
npm WARN zaptest@1.0.0 No repository field.

+ express@4.17.1
added 50 packages from 37 contributors and audited 50 packages in 1.772s
found 0 vulnerabilities

C:\Users\Morgan\zaptest>node index.js
App listening on localhost:3400
```

>> Perform a screen capture of the Spider tab after re-running the ZAP attack after modifying the Node application.



The screenshot shows the ZAP Spider tab with a progress bar at 100%. The table below lists the processed URLs and their flags.

Processed	Method	URI	Flags
●	GET	http://localhost:3400	Seed
●	GET	http://localhost:3400/robots.txt	Seed
●	GET	http://localhost:3400/sitemap.xml	Seed
●	GET	http://localhost:3400/secret	

Alerts: 0 Critical, 2 High, 2 Medium, 0 Low | Primary Proxy: localhost:8080 | Current Scans: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

>> Provide a sentence that describes what you think the ZAP attack did when adding the robots.txt file. As a hint, read up on the purpose of a robots.txt file, and note the content that was returned.

- The robots.txt file is for giving instructions to bots. It tried to tell any bots to not access /secret but our spider did anyways.