

thanks for sharing the JWT token. Actually, for validating the JWT token, the addon sends the same request with manipulated tokens and it expects that the target application returns the same status code and response body, then only it considers that the application is vulnerable.

Does your application send the same response for the same request with just manipulated headers?
Have a look at code: <https://github.com/SasanLabs/owasp-zap-jwt-addon/blob/cb0b85efa9c291e3a5eeb35b755e7fbc35c4f2bc/src/main/java/org/zaproxy/zap/extension/jwt/JWTActiveScanRule.java#L192-L196>

Also if you are writing vulnerable code then have a look at <https://github.com/SasanLabs/VulnerableApp/tree/master/src/main/java/org/sasanlabs/service/vulnerability/jwt> code which i created to test JWT scanner.

thanks,
Karan

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yaakov beckerman <beckermanyaakov@gmail.com>
To: Karan Preet <preetkaran20@gmail.com>

Tue, 4 Jan, 2022 at 11:49 pm

Hi,

The issue that I'm encountering is that the JWT scanner isn't actually sending requests. When I look at the active scanner progress, it shows that the JWT scanner made 0 requests. Is there some sort of pre-condition for the JWT scanner to attempt some requests? For example, does the header with the token have to be in a specific format?

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Karan Preet <preetkaran20@gmail.com>
To: yaakov beckerman <beckermanyaakov@gmail.com>

Wed, 5 Jan, 2022 at 12:02 am

Hi Yaakov,

Oh ok, I don't think there is any except that the token is valid. code: <https://github.com/SasanLabs/owasp-zap-jwt-addon/blob/cb0b85efa9c291e3a5eeb35b755e7fbc35c4f2bc/src/main/java/org/zaproxy/zap/extension/jwt/JWTActiveScanRule.java#L79-L81>

One question, does your original request contains valid JWT token?

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yaakov beckerman <beckermanyaakov@gmail.com>
To: Karan Preet <preetkaran20@gmail.com>

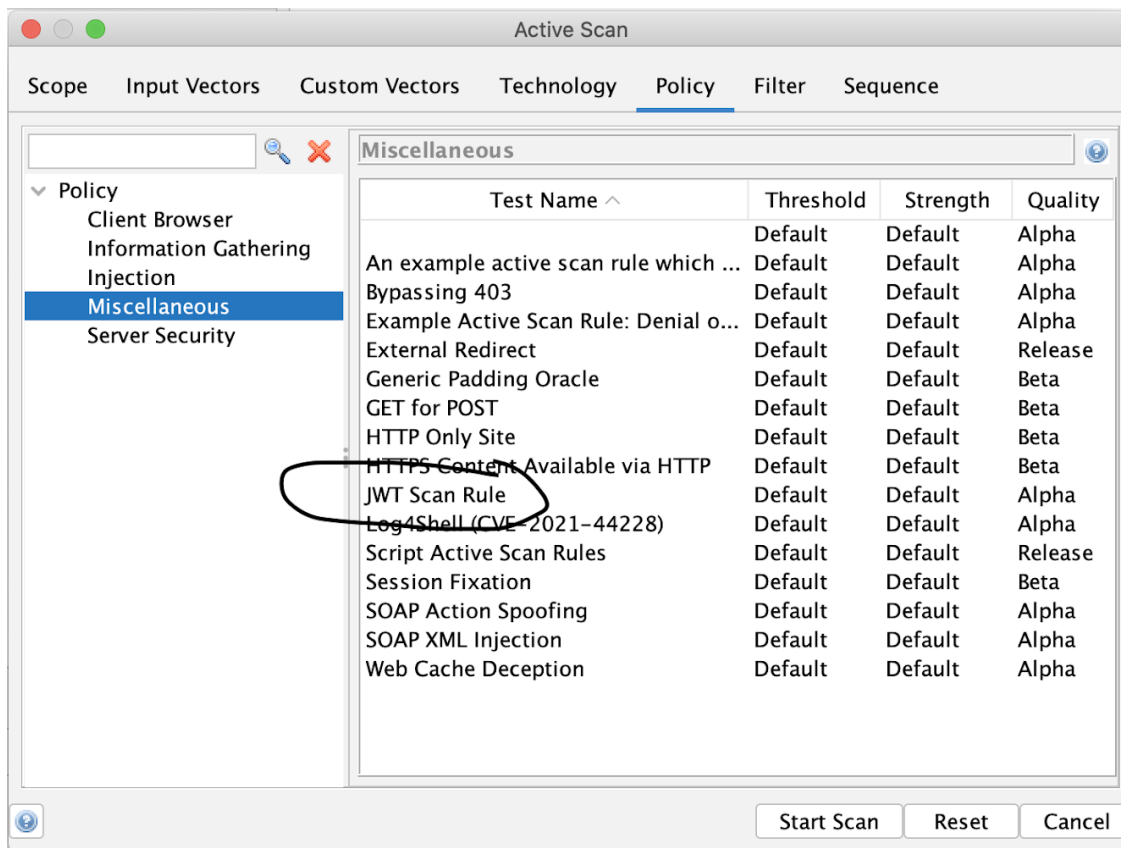
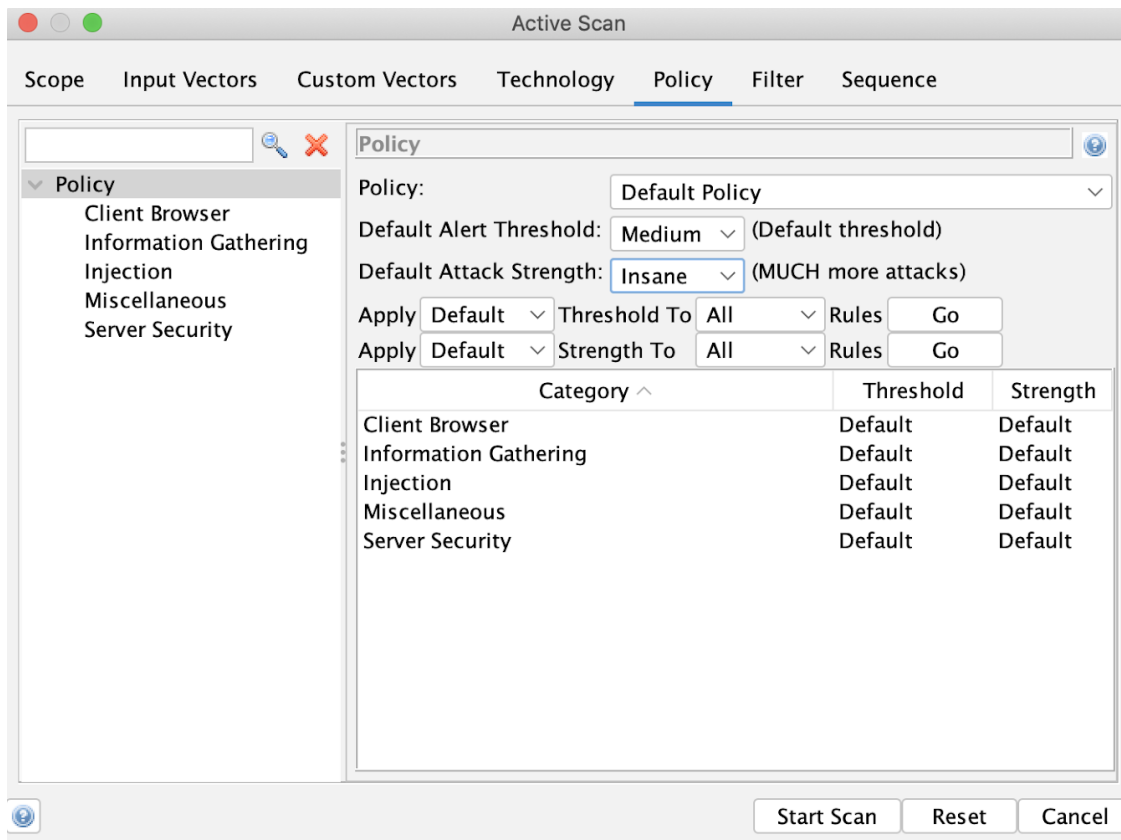
Wed, 5 Jan, 2022 at 12:10 am

Here is my exact flow.

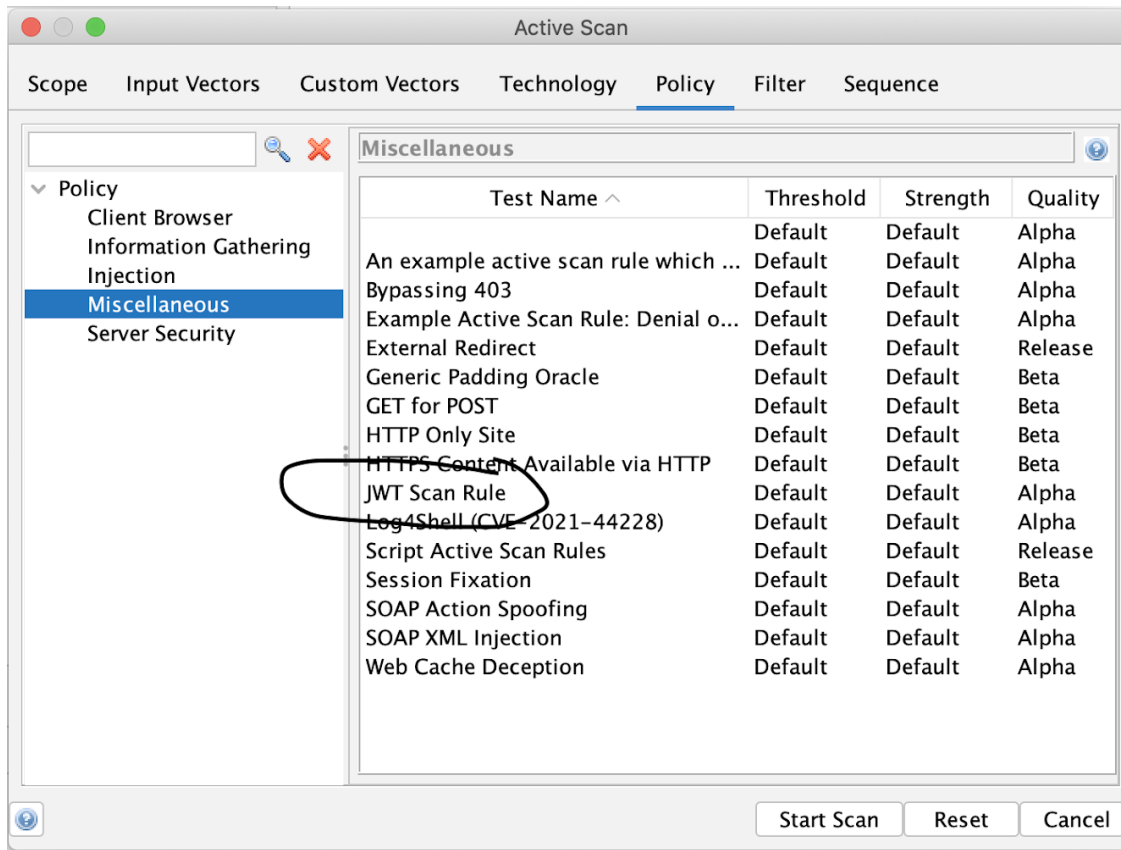
1) Create a request manually in the requester tool which contains the JWT token I sent you

<pre>GET http://localhost:3003/api/v1/stats/logs HTTP/1.1 Host: localhost:3003 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:92.0) Gecko/20100101 Firefox/92.0 Pragma: no-cache Cache-Control: no-cache Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiaWF0IjoxNTE2MjM5MDY5Lj0.SfLkxwRJSMeKKF2QT4fwpMeJf36P0k6yJv_adQssw5c Content-Length: 0 </pre>	<pre>HTTP/1.1 200 OK X-Powered-By: Express Access-Control-Allow-Origin: * Content-Type: application/json; charset=utf-8 Content-Length: 20 ETag: W/"14-VX693CeUFay21xsj0SbkqUc4auo" Date: Tue, 04 Jan 2022 18:23:19 GMT Connection: keep-alive Keep-Alive: timeout=5</pre>
	<pre>{["ip": "127.0.0.1"]}</pre>

2) Click active scan



3) When I look at the progress report, I see that the JWT scanner didn't send out any requests.



I also manually verified that the response is exactly the same no matter what JWT is sent (as long as a JWT is actually sent)
[Quoted text hidden]

Karan Preet <preetkaran20@gmail.com>
To: yaakov beckerman <beckermanyaakov@gmail.com>

Wed, 5 Jan, 2022 at 12:15 am

Hi Yaakov,

Can we connect over a call? <https://meet.google.com/tmf-rodz-nnb>

thanks,
Karan
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Karan Preet <preetkaran20@gmail.com>
To: yaakov beckerman <beckermanyaakov@gmail.com>

Wed, 5 Jan, 2022 at 12:16 am

Sorry, <https://meet.google.com/khz-zhdb-cam> one.

thanks,
Karan
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