





Note

## When Parsing JS For Endpoints, Please Keep Your Eyes Open

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```
/ Root Directory
. This Location
.. Up A Directory
./ Current Directory
../ Parent Of Current Directory
.././ Two Directories Backwards
```



# Try To Extract All The Javascript Files From A Set Of Given Urls By Using Tools e.g. getJS

root@mine:~#./getJS --complete --header "Auth: token" --input domains.txt --output out.txt

- " --complete " Complete The URLs e.g. https://www.company.com/api/file.js
- " --header "Auth: token" " Custom Request Header
- " --input domains.txt " Input File With URLs
- " -output output.txt " The File Where To Save The Output



## Try To Extract All The Javascript Files From A Set Of Given Urls By Integration Tools e.g. gau AND subJS

root@mine:~#cat domains.txt | gau -subs | subjs -ua "Value-User-Agent-Header" | tee -a out.txt

- " jau -subs " Fetches URLs From AlienVault's And Wayback Machine Include Subdomains Of Target
- " -ua "Value-User-Agent-Header" " Value Of User-Agent Header To Send In Requests
- " | tee -a out.txt " Save The Output

Try To Extract All The Javascript Files From A Set Of Given Urls By Using One-Liner Command e.g. Integration Tools e.g. gospider, httpx, subJS AND anew



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Steps to produce :-

- 1 Open Your Terminal
- 2 Write This Command

xargs -l@ -a domains.txt -P10 sh -c 'gospider -a -d 4 -t 3 -c 50 -s @ | tr "[] " "\n" | grep -oE "(/\\*([^\*]|(\\*+[^\*/]))\*\\*+/)|(.\*)|(//.\*)" | httpx -silent -threads 200 | subjs -c 100 -t 5 | anew subjsUrls'



## Try To Extract All The Endpoints From Javascript URL OR File By Using Tools e.g. LinkFinder

root@mine:~#chmod +x extractEndpoints.sh && ./extractEndpoints.sh

" -o cli " Print Output to STDOUT "

" -i urlJS OR out.txt " Input a Javascript URL OR File



## Try To Extract All The Endpoints From Javascript URL OR File By Integration Tools e.g. subJS AND JSA

root@mine:~#cat domains.txt | subjs -ua "Value-User-Agent-Header" | python3 jsa.py -e -v

- " -ua "Value-User-Agent-Header" " Value Of User-Agent To Send In Requests
- " -e " Exclude 3rd Party JS Files
- " -v " Verbose Mode

## Try To Extract All The Endpoints From Any Domain By Using One-Liner Command e.g. One Of Those Commands

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- 1 Open Your Terminal
- 2 Write This Command

```
curl -L -k -s https://www.comapny.com | tac | sed "s#\\/#\/#g" |
egrep -o "src[\"]?\s*[=:]\s*[\\"]?[^\\"]+.js[^\\">]*" | awk -F \"/'
'{if(length($2))print "https://"$2}\ | sort -fu | xargs -l \%\ sh -c "curl
-k -s \\"\\" | sed \\"s/[;\\)>]\\n/g\\" | grep -Po
\\"([\\\"](https?:)?[/]{1,2}[^\\\">
]{5,})\\\(\(\(\(\(\(\)\)\)\" | awk -F \\"[\\"]" \\print $2\\' | sort -fu
```

## Try To Extract All The Endpoints From Any Javascript File By Integration Tools e.g. js-beautify AND CyberChef

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- 1 Open Your Terminal
- 2 Write This Command
  wget https://www.comapny.com/app.js
  js-beautify file.js > pretty.js
- 3 Copy Content Of pretty.js To CyberChef

#### Try To Extract All Subdomains From Any Domain By Using Tools e.g. subscraper

root@mine:~#python3 subscraper.py -u URL -v -o output.txt

- "-u URL "URL Of Target e.g. https://www.company.com
- " -v " Enables Verbosity
- " -o output.txt " File Where To Save Subdomains



## Try To Extract All The Endpoints And Subdomains From Any Domain By Using Tools e.g. **JSFinder**

root@mine:~#python3 JSFinder.py -u URL -c "COOKIE-Value" -d -ou url.txt -os subdomains.txt

- "-u URL "URL Of Target e.g. https://www.company.com
- "-c "COOKIE-Value" " Value Of Cookie Header To Send In Requests
- " -d " Rescan Every URL You Will Find It aka Deep Find
- " -ou url.txt " File To Save Paths

" -os subdomains.txt " File To Save Subdomains



## Try To Scan Javascript URL File To Extract Tokens By Using Tools e.g. **SecretFinder**

root@mine:~#python3 SecretFinder.py -i out.txt -H 'Header: Value' -o secrets.txt

- " -i out.txt " Input a Javascript URL From out.txt
- " -H 'Header: Value' " Custom Request Header
- " -o secrets.txt " Save Output To secrets.txt

### Try To Scan Javascript URL File By Using Tools e.g. JScanner

root@mine:~#cat out.txt | JScanner --- -o scan.txt -t 10

- " --- " Input a Javascript URL From STDIN
- " -o scan.txt " Save Output To scan.txt
- "-t 10 " Number Of Threads

Try To Analyze Javascript Files From Your Command Line e.g. js-beautify file.js > pretty.js && grep -Eo "(http|https)://[a-zA-Z0-9./?=\_-]\*" pretty.js | sort -u



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- 1 Open Your Terminal
- 2 Write This Command

```
wget https://www.comapny.com/app.js
js-beautify file.js > pretty.js
grep -Eo "(http|https)://[a-zA-Z0-9./?=_-]*" pretty.js |
sort -u
```

Try To Search For Javascript Manually To Discover New parameters, Endpoints And Subdomains OR References To More API Calls OR Get Dev Comments OR Tokens



- M Writeup
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- 1 Browse Your Target e.g. https://www.company.com
- 2 Click Right , Choose View Page Source
- 3 Press Ctrl Plus F To Display Search Box
- 4 Search For Javascript Files e.g. .js
- 5 Search For Certain Keywords e.g. api , internal , url: , token , var = , // , https:// , company.com , parameter etc



#### Top 15 DOM Base Open URL Parameter



Try To Execute Those Functions That Contains Sensitive Keywords e.g. key, API Key etc In Your Browser's Console To See What They Do

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- 1 Browse Your Target e.g. https://www.company.com
- 2 Click Right , Choose View Page Source
- 3 Search For Functions That Contains Certain Keywords e.g. api, internal, url:, var = , //, https:// , company.com, parameter etc
- 4 Click Right, Choose Inspect Element (Q)
- 5 Click Console, Write Your Funcion e.g. secret() Then Press Enter



# Try To Monitor Specific Javascript URL To Get Notification On Slack OR Telegram If There Are Changes By Using Tools e.g. JSMon

- 1 Open File .bashrc
- 2 Write Those export JSMON\_NOTIFY\_SLACK=True export JSMON\_SLACK\_TOKEN=token export JSMON\_SLACK\_CHANNEL\_ID=channe
- 3 Open Your Terminal
- 2 Write This Command

```
source .bashrc
cd path/to/jsmon/tool
crontab -e && @daily jsmon.sh
echo "https://www.company.com/file.js" >> targets/company.com
python3 jsmon.py
```



Try To Use FileChangeMonitor To Monitor JavaScript Files And Discover Endpoints When They're Added

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# Thank You

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