# GoSpider

#### Introduction:

GoSpider is a powerful, high-performance web crawler written in Go, designed specifically for cybersecurity professionals. It is widely used in bug bounty reconnaissance, penetration testing, and OSINT to uncover hidden endpoints, parameters, JavaScript files, and more.

Unlike traditional crawlers, GoSpider is optimized for speed and deep crawling — supporting subdomain exploration, JavaScript parsing, sitemap/robots.txt analysis, and proxy routing through tools like Burp Suite or ZAP.

This manual provides a step-by-step guide to using GoSpider in a real-world cybersecurity workflow, helping professionals build a strong and automated reconnaissance pipeline.

# 1. Ensure Go (Golang) is installed:

sudo apt update sudo apt install golang-go -y

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### 2. Install GoSpider:

go install github.com/jaeles-project/gospider@latest

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# 3. (Optional) Make GoSpider globally executable:

sudo In -s ~/go/bin/gospider /usr/local/bin/gospider

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Basic Crawl of <a href="https://cust.edu.pk">https://cust.edu.pk</a> :
 <a href="https://cust.edu.pk">gospider</a> -s <a href="https://cust.edu.pk">https://cust.edu.pk</a> -d 2 -o output-cust

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- Crawls the site up to 2 levels deep.
- Saves discovered links, forms, and JS to the folder output-cust.

### 5. Parse JavaScript Files for Hidden Endpoints:

gospider -s https://cust.edu.pk -d 3 --js -t 20 -o output-js

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- --js: Enables JavaScript URL extraction (very useful for detecting APIs or login logic).
- -d 3: Goes three layers deep into link structure.
- -t 20: Uses 20 threads to increase speed.

6. List all .json output files:

find output-cust/ -type f -name "\*.json" > json-files.txt

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$ find output-cust/ -type f -name "*.json" > json-files.txt

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$ cat output-cust/*.json | jg = r '.link' | sort -u > all-links.txt

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7. Extract JavaScript (.js) files:

grep '\.js' all-links.txt > js-files.txt

8. Extract URLs with parameters:

grep '=' all-links.txt > param-urls.txt

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$\frac{1}{3}\text{grep '=' all-links.txt > param-urls.txt}
$\frac{1}{3}\text{grep '=' all-links.txt > param-urls.txt}
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9. View Total Results:

wc -l all-links.txt js-files.txt param-urls.txt

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-$ wc-l all-links.txt js-files.txt param-urls.txt column 5

all-links.txt |-|
js-files.txt l-links.txt params.txt
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