

# Scope Based Recon Methodology by Bhagirath Saxena (@rix4uni) For GarudRecon

Presented with **xmind**

# Scope Based Recon Methodology by Bhagirath Saxena (@r...

Small Scope

Medium Scope

Large Scope

# Small Scope

# Small Scope

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Only Specific URLs are part of Scope.  
This usually includes  
staging/dev/testing or single URLs. like:  
[support.dell.com](http://support.dell.com)

Only Specific URLs  
are part of Scope. T...

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Recon To-Do

# Recon To-Do

- Port Scanning & Probing
- Technology Fingerprinting
- Directory Enumeration
- Url Crawling
- Google Dorking

# Recon To-Do

- Google Dorking
- JS Crawling
- Hidden Parameter
- Program Based Wordlist Generator
- Github Dorking

# Recon To-Do

- Github Dorking
- 403/401 bypass
- byp4xx ↗
- Known Vulnerabilities

# Port Scanning & Probing

- naabu
- masscan
- rustscan
- nmap

# naabu

```
cat subs.txt | naabu -duc -silent -o naabu.txt
```

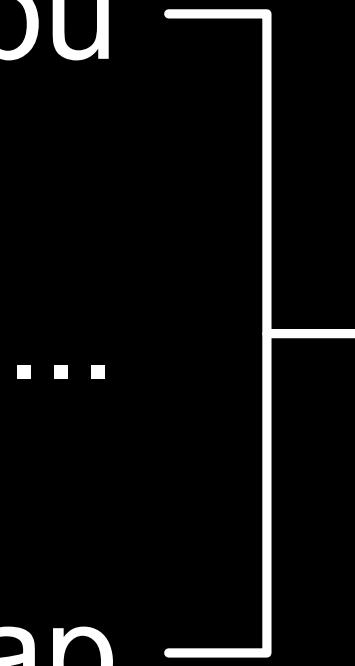
(top 1000 or 65365)

naabu

...

nmap

httpx



# httpx

```
cat naabu.txt | httpx -silent -duc -nc -nf -title -ct -sc -cl -o httpx.txt
```

# Technology Fingerprinting

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techx

**techx**

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nucleitechx

# Directory Enumeration

- ffuf
- dirsearch
- feroxbuster
- wfuzz

# ffuf

```
ffuf -c -u https://example.com/FUZZ -w onelistforallshort.txt
```

```
https://github.com/dwyl/english-words/blob/master/words.txt
```

```
ffuf -c -u https://example.com/FUZZ.zip -w words.txt -mc 200,302
```

```
ffuf -c -u https://example.com/FUZZ.php -w words.txt -mc 200,302
```

```
# default fuzzing 403, 404 domains
```

# ffuf

```
ffuf -c -u https://example.com/FUZZ -w onelistforallshort.txt
```

<https://github.com/dwyl/english-words/blob/master/words.txt>

```
ffuf -c -u https://example.com/FUZZ.zip -w words.txt -mc 200,302
```

```
ffuf -c -u https://example.com/FUZZ.php -w words.txt -mc 200,302
```

```
# default fuzzing 403, 404 domains
```

# ffuf

---

## ffuf Postprocessing ↗

# Url Crawling

- waymore
- hakrawler
- waybackurls
- gau
- katana

# Url Crawling

- katana
- gospider
- uforall
- github-endpoints
- crawley ↗

# Url Crawling

- urlgrab ↗
- GoLinkFinder ↗
- cariddi ↗
- Burp 1.7 spider urls

# Google Dorking

- Automated
- Manual

# Automated

- xnldorker ↗
- uDork ↗
- GooFuzz ↗
- dorks\_hunter ↗

# Manual

- <https://pentestingdorks.netlify.app/google/>
- BulkURLOpener ↗

<https://pentestingdorks.netlify.app/google/>

Do you want to add your manually google dorks output in google-dorks-output.txt or  
do you want to skip or wait 30 minites: Y/N/wait

this will automatically choose N if no output provide within 30minutes

# JS Crawling

- subjs
- getJS
- jscrawler
- linkfinder
- xnLinkFinder

# JS Crawling

- xnLinkFinder
- getjswords
- gowitness
- sourcemapper
- linx 

# JS Crawling

• [View slide](#)

- sourcemapper

- linx 

- other tools 

- js moniter 

# gowitness

collect js links in gowitness network logs, gives extra links because it's DOM based data

# sourcemapper

```
sourcemapper -insecure -output sourcemapper -url  
https://www.cga.ct.gov/aspx/cgabilltracking/pub/Scripts/js/pdfmake.min.js.map
```

```
interlace -tL js_links.txt -threads 10 -c "sourcemapper -insecure -url _target_ -output  
_output_/_cleantarget_" -o .tmp/sourcemapper
```

subjs

...

links

**Send To  
JS secrets**

# Hidden Parameter

- paramfinder
- msarjun (arjun)
- x8

# Program Based Wordlist Generator

- cewl
- unfurl
- roboxtractor ↗
- Password Generation

# Password Generation

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pydictor 

# Github Dorking

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gitrob

# 403/401 bypass

These tools only can bypass 403 endpoints not 403 domain

# 403/401 bypass

- byp4xx ↗
- 4-ZERO-3 ↗

# Known Vulnerabilities

1st check vulnerability on hidden urls then exclude those hidden urls you already checked in gf urls, and check gf parameters then exclude hidden and gf urls because you already checked those urls and check all parameters

# this way you can avoid getting blocked/getting temporary website down

# Known Vulnerabilities

- **xss** (knoxnl with knoxss, dalfox, pyxss)
- error based sqli (nuclei template)
- blind sqli (gosqli with ghauri and sqlmap)
- lfi (nuclei template)
- rce (nuclei template)

# Known Vulnerabilities

- rce (nuclei template)
- Dot Git
- Hardcoded Information in JavaScript (nuclei exposures template)
- technology based vuln (nucleitechx)
- Sensitive PDFs

# Known Vulnerabilities

- technology based vuln (nucleitechx)
- Sensitive PDFs
- URLs Secrets
- JS secrets

# Dot Git

---

goop

# Sensitive PDFs

---

pdftotext

# pdftotext

<https://ott3rly.com/mass-hunting-for-leaked-sensitive-documents/>

```
interlace -tL urls.txt -threads 10 -c "curl -s _target_ | pdftotext -  
_output_/_cleantarget_.txt" 2>/dev/null" -o ~/pdf &>/dev/null
```

```
find ~/pdf -type f -print0 | xargs --null grep -Z -L -Eai 'internal use only|confidential' |  
xargs --null rm
```

# pdftotext

<https://ott3rly.com/mass-hunting-for-leaked-sensitive-documents/>

```
interlace -tL urls.txt -threads 10 -c "curl -s _target_ | pdftotext -  
_output_/_cleantarget_.txt" 2>/dev/null" -o ~/pdf &>/dev/null
```

```
find ~/pdf -type f -print0 | xargs --null grep -Z -L -Eai 'internal use only|confidential' |  
xargs --null rm
```

# URLs Secrets

- back-me-up ↗
- linkinspector ↗

# JS secrets

- nuceli exposures
- trufflehog
- secretfinder 
- mantra

# Medium Scope

# Medium Scope

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Usually the scope is wild card scope where all the subdomains are part of scope. like:

Scope: \*.dell.com

Usually the scope is  
wild card scope whe...

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Recon To-Do

# Recon To-Do

- Passive Subdomain Enumeration
- Certificate Transparency
- Content Security Policy
- Subdomain Permutations
- Subdomain DNS Enumeration

# Recon To-Do

- Subdomain DNS Enumeration
- Cloud Recon
- Subdomain Analytics Enumeration
- Port Scanning & Probing
- Subdomain Probing

# Recon To-Do

- Subdomain Bruteforcing
- VHOST Discovery
- Screenshotting
- Directory Enumeration
- Email Enumeration

# Recon To-Do

- Email Enumeration
- IP Information Enumeration ↗
- Url Crawling
- Google Dorking
- JS Crawling

# Recon To-Do

- JS Drawing
- Hidden Parameter
- Program Based Wordlist Generator
- Github Dorking
- 403/401 bypass
- Favicon Lookup

# Recon To-Do

- Favicon Lookup
- Internet Search Engine Discovery (Shodan, Censys, FOFA, Hunter How, Spyse, etc.)
- Misconfigured Cloud Storage
- IP Range Enumeration (If in Scope)

# Recon To-Do

- Misconfigured Cloud Storage
- IP Range Enumeration (If in Scope)
- Testing TLS/SSL encryption
- Vulnerability Scanning

# Passive Subdomain Enumeration

- BugBountyData ↗
- subfinder
- amass
- subdog
- findomain

# Passive Subdomain Enumeration

- findomain
- chaos
- github-subdomains
- bbot
- oneforall
- subsubdomains

# Passive Subdomain Enumeration

- subfinder
- oneforall
- shosubgo
- assetfinder
- SubDomainizer

# Certificate Transparency

- certinfo
- rcert
- cero

# Content Security Policy

---

csprecon 

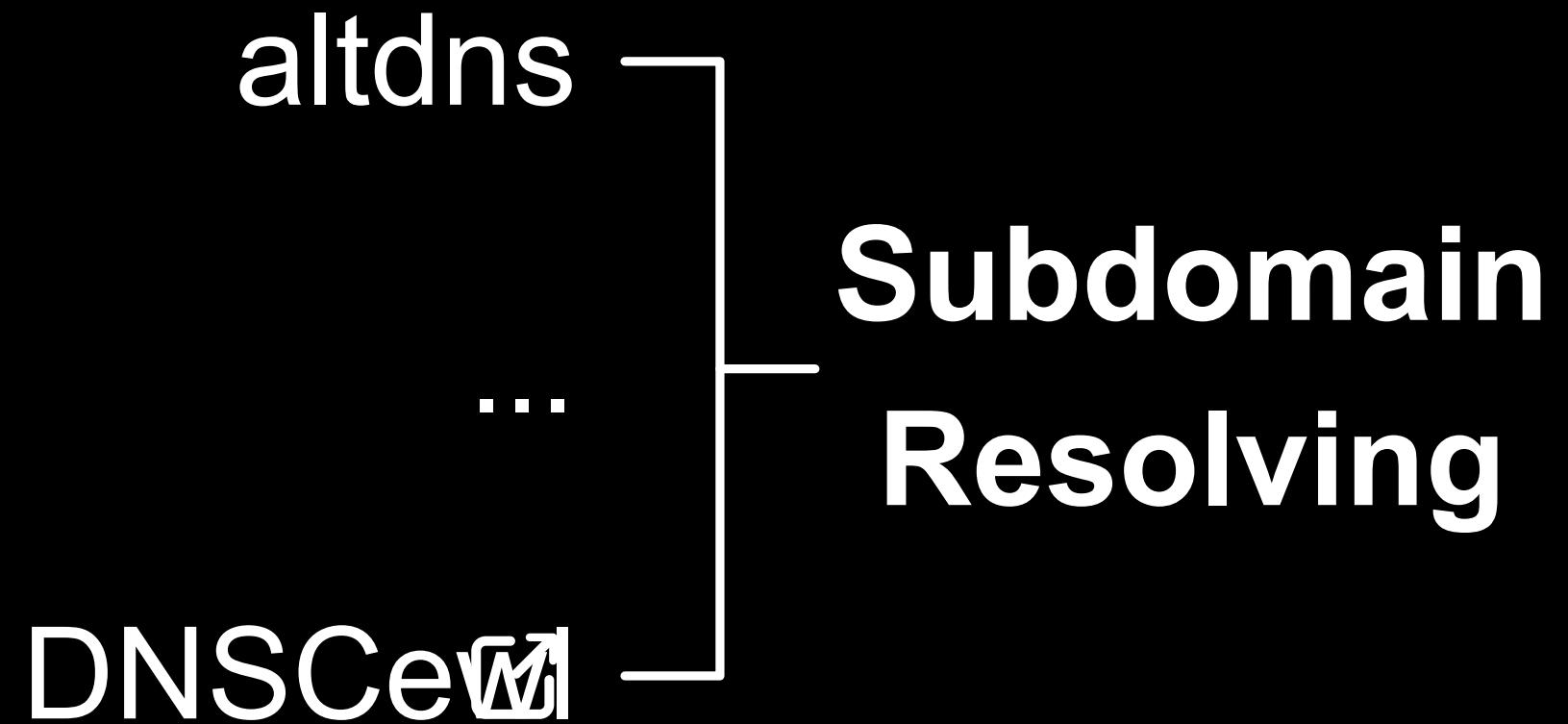
# Subdomain Permutations

- altdns
- puredns
- alterx
- gotator
- dnsgen

# Subdomain Permutations

generator

- dnsgen
- goaldns
- ripgen
- DNSCewl ↗



# Subdomain Resolving

- puredns
- shuffleDNS
- massdns

# Subdomain DNS Enumeration

---

dnsx

# Cloud Recon

- Cloudrecon
- <http://kaeferjaeger.gay>
- CIDR Ranges

# Cloudrecon

<https://github.com/g0ldencybersec/CloudRecon>

Tool

Ip ranges

[https://raw.githubusercontent.com/lord-alfred/ipranges/main/all/ipv4\\_merged.txt](https://raw.githubusercontent.com/lord-alfred/ipranges/main/all/ipv4_merged.txt)

CloudRecon scrape -i ipv4\_merged.txt | grep 'target.com'

# Cloudrecon

<https://github.com/g0ldencybersec/CloudRecon>

Tool

Ip ranges

[https://raw.githubusercontent.com/lord-alfred/ipranges/main/all/ipv4\\_merged.txt](https://raw.githubusercontent.com/lord-alfred/ipranges/main/all/ipv4_merged.txt)

CloudRecon scrape -i ipv\_merged.txt | grep 'target.com'

# CIDR Ranges

<https://whois.arin.net/ui/query.do>

```
prips 23.228.128.0/18 | certinfo | jq -r '.Certificate_Subject_Alternative_Name //  
empty | .[]'
```

and

```
prips 23.228.128.0/18 | hakip2host | awk '{print $3}' | tee -a hakip2host-output.txt
```

# CIDR Ranges

<https://whois.arin.net/ui/query.do>

```
prips 23.228.128.0/18 | certinfo | jq -r '.Certificate_Subject_Alternative_Name //  
empty | .[]'
```

and

```
prips 23.228.128.0/18 | hakip2host | awk '{print $3}' | tee -a hakip2host-output.txt
```

# Subdomain Analytics Enumeration

---

analyticsrelationships ↗

# Port Scanning & Probing

- naabu
- masscan
- rustscan
- nmap

# naabu

```
cat subs.txt | naabu -duc -silent -o naabu.txt
```

(top 1000 or 65365)

# Subdomain Probing

---

httpx

# httpx

```
cat naabu.txt | httpx -silent -duc -nc -nf -title -ct -sc -cl -o httpx.txt
```

# httpx

---

## dlevel

# dlevel

sort subdomains high level to bottom level, this way you can avoid duplicate if do google dorking and fuzzing like this, because not many people touch high level subdomain

<https://github.com/rix4uni/dlevel>

# Subdomain Bruteforcing

---

ffuf

# Screenshotting

- gowitness
- aquatone ↗
- EyeWitness ↗
- httpx

# gowitness

```
cat httpx.txt | awk '{print $1}' | unew -el -i -t -q only_httpx_urls.txt && time cat  
only_httpx_urls.txt | gowitness file -f - --fullpage --timeout 30 --threads 4 --  
screenshot-db-store
```

don't use nuclei of httpx for screenshotting, i see big difference

# I see screenshot on same input

gowitness: 19

```
cat httpx.txt | awk '{print $1}' | unew -el -i -t -q only_httpx_urls.txt && time cat  
only_httpx_urls.txt | gowitness file -f - --fullpage --timeout 30 --threads 4 --  
screenshot-db-store
```

don't use nuclei of httpx for screenshotting, i see big difference

```
# I see screenshot on same input  
gowitness: 19  
nuclei: 11  
httpx: 2
```

# Directory Enumeration

- ffuf
- dirsearch
- feroxbuster
- wfuzz

# ffuf

```
ffuf -c -u https://example.com/FUZZ -w onelistforallshort.txt
```

```
https://github.com/dwyl/english-words/blob/master/words.txt
```

```
ffuf -c -u https://example.com/FUZZ.zip -w words.txt -mc 200,302
```

```
ffuf -c -u https://example.com/FUZZ.php -w words.txt -mc 200,302
```

```
# default fuzzing 403, 404 domains
```

# ffuf

```
ffuf -c -u https://example.com/FUZZ -w onelistforallshort.txt
```

<https://github.com/dwyl/english-words/blob/master/words.txt>

```
ffuf -c -u https://example.com/FUZZ.zip -w words.txt -mc 200,302
```

```
ffuf -c -u https://example.com/FUZZ.php -w words.txt -mc 200,302
```

```
# default fuzzing 403, 404 domains
```

# ffuf

---

## ffuf Postprocessing ↗

# Email Enumeration

- emailfinder ↗
- LeakSearch ↗

# Url Crawling

- waymore
- hakrawler
- waybackurls
- gau
- katana

# Url Crawling

- katana
- gospider
- uforall
- github-endpoints
- crawley ↗

# Url Crawling

- galer ↗
- roboxtractor ↗
- urlgrab ↗
- GoLinkFinder ↗
- cariddi ↗

# Url Crawling

- urlgrab ↗
- GoLinkFinder ↗
- cariddi ↗
- Burp 1.7 spider urls

waymore  
Burp 1.7 spider urls

...

Subdomain  
Scraping

# Subdomain Scraping

```
cat urls.txt | cut -d"/" -f1-3 | unew subs.txt | tee scrape-subs.txt
```

# Google Dorking

- Automated
- Manual

# Automated

- xnldorker ↗
- uDork ↗
- GooFuzz ↗
- dorks\_hunter ↗
- go-dork ↗

# Automated

• Attacker [ ]

- uDork ↗

- GooFuzz ↗

- dorks\_hunter ↗

- go-dork ↗

# Manual

- <https://pentestingdorks.netlify.app/google/>
- BulkURLOpener ↗
- Bulk URL Opener Extension ↗

# JS Crawling

- subjs
- getJS
- jscrawler
- linkfinder
- xnLinkFinder

# JS Crawling

- xnLinkFinder
- getjswords
- gowitness
- sourcemapper
- linx 

# JS Crawling

- sourcemapper
- linx ↗
- other tools ↗
- js moniter ↗

# gowitness

collect js links in gowitness network logs, gives extra links because it's DOM based data

# sourcemapper

```
sourcemapper -insecure -output sourcemapper -url  
https://www.cga.ct.gov/aspx/cgabilltracking/pub/Scripts/js/pdfmake.min.js.map
```

```
interlace -tL js_links.txt -threads 10 -c "sourcemapper -insecure -url _target_ -output  
_output_/_cleantarget_" -o .tmp/sourcemapper
```

# Hidden Parameter

- paramfinder
- msarjun (arjun)
- x8

# Program Based Wordlist Generator

- cewl
- unfurl
- cook ↗
- Password Dictionary Generation

# cewl

```
cewl -d 2 -m 5 https://example.com | sed '1d'
```

```
interlace -tL httpx.txt -threads 100 -c "proxychains cewl -d 2 -m 5 _target_ | sed '1d' |  
unew -q _output_/_cleantarget_.txt" -o cewlwordlist &>/dev/null
```

# Password Dictionary Generation

---

pydictor ↗

# Github Dorking

- gitrepoenum ↗
- gitrob
- gitleaks ↗
- trufflehog
- code-review ↗

# Github Dorking

- gitdorks

- gitleaks ↗
- trufflehog
- code-review ↗
- gitdorks\_go ↗

# 403/401 bypass

These tools only can bypass 403 endpoints not 403 domain

# 403/401 bypass

- byp4xx ↗
- 4-ZERO-3 ↗
- 403jump ↗
- BypassFuzzer ↗
- nomore403 ↗

# 403/401 bypass

- CryptAlly ↗

- 4-ZERO-3 ↗
- 403jump ↗
- BypassFuzzer ↗
- nomore403 ↗

# Favicon Lookup

- favinfo 
- favirecon 

# Internet Search Engine Dis...

- uncover
- karma\_v2 ↗
- shodan

# Misconfigured Cloud Storage

---

S3 buckets

# S3 buckets

---

S3Scanner 

# Testing TLS/SSL encryption

---

testssl.sh 

# Vulnerability Scanning

- Subdomain Takeover
- MX Takeover
- DNS takeover
- Zone Transfer
- ftpx 

# Vulnerability Scanning

- ftpx ↗
- SSHBruteForce ↗
- vulnTechx
- XSS
- SQLI

# Vulnerability Scanning

- LFI
- RCE
- AEM
- Grafana
- Jenkins

# Vulnerability Scanning

- Jenkins
- JIRA
- Swagger UI
- Symfony
- PHPMYADMIN

# Vulnerability Scanning

- Dependency Confusion
- Dot Git
- Hardcoded Information in JavaScript (nuclei exposures template)
- IIS Windows Server

# Vulnerability Scanning

- IIS Windows Server
- fuzzuli ↗
- Sensitive PDFs
- Prototype Pollution
- HTTP Request Smuggling

# Vulnerability Scanning

- Web Cache Poisoning
- URLs Secrets
- Password Spraying
- JS secrets

# Subdomain Takeover

- subjack
- subzy
- tko-subs ↗
- subsnipe ↗
- nuclei

# Subdomain Takeover

- sunjacob

- subzy
- tko-subs ↗
- subsnipe ↗
- nuclei

# nuclei

nuclei -tags takeover

# MX Takeover

---

mxtakeover ↗

# DNS takeover

---

dnstake ↗

# Zone Transfer

---

dig

# XSS

- Reflected XSS
- Blind XSS
- DOM XSS

# Reflected XSS

- **xsschecker**
- **knoxnl**
- **dalfox**
- **XSpear** ↗

# xsschecker

---

## pyxss

# knoxnl

knoxnl uses knoxss api

# Blind XSS

- ezxss 
- XSS.report 

# DOM XSS

---

domscan ↗

# SQLI

- Error Based SQLI
- Blind Time Based SQLI

# Error Based SQLI

---

nuclei template

# Blind Time Based SQLI

---

gosqli

# gosqli

- gauri
- sqlmap

LFI

---

nuclei template

# RCE

---

## nuclei template

# Dot Git

---

goop

# IIS Windows Server

Collect iis domains in "Technology Fingerprinting" and "httpx"

```
cat techx-output.txt httpx.txt | unew -q iis_sites.txt
```

```
interlace -tL iis_sites.txt -threads 100 -c "shortscan _target_ -F -s -p 1 >
_output/_cleantarget_.txt" -o ~/iis &>/dev/null
```

```
find ~/iis -type f -print0 | xargs --null grep -Z -L 'Vulnerable: Yes' | xargs --null rm
```

# IIS Windows Server

Collect iis domains in "Technology Fingerprinting" and "httpx"

```
cat techx-output.txt httpx.txt | unew -q iis_sites.txt
```

```
interlace -tL iis_sites.txt -threads 100 -c "shortscan _target_ -F -s -p 1 >
_output_/_cleantarget_.txt" -o ~/iis &>/dev/null
```

```
find ~/iis -type f -print0 | xargs --null grep -Z -L 'Vulnerable: Yes' | xargs --null rm
```

# Sensitive PDFs

---

pdftotext

# pdftotext

<https://ott3rly.com/mass-hunting-for-leaked-sensitive-documents/>

```
interlace -tL urls.txt -threads 10 -c "curl -s _target_ | pdftotext -  
_output_/_cleantarget_.txt" 2>/dev/null" -o ~/pdf &>/dev/null
```

```
find ~/pdf -type f -print0 | xargs --null grep -Z -L -Eai 'internal use only|confidential' |  
xargs --null rm
```

# pdftotext

<https://ott3rly.com/mass-hunting-for-leaked-sensitive-documents/>

```
interlace -tL urls.txt -threads 10 -c "curl -s _target_ | pdftotext -  
_output_/_cleantarget_.txt" 2>/dev/null" -o ~/pdf &>/dev/null
```

```
find ~/pdf -type f -print0 | xargs --null grep -Z -L -Eai 'internal use only|confidential' |  
xargs --null rm
```

# Prototype Pollution

---

ppmap ↗

# HTTP Request Smuggling

---

smuggler ↗

# Web Cache Poisoning

---

Web-Cache-Vulnerability-  
Scanner ↗

# URLs Secrets

- linkinspector ↗
- back-me-up ↗

# Password Spraying

---

brutespray ↗

# JS secrets

- nuceli exposures
- trufflehog
- secretfinder ↗
- mantra

# Large Scope

# Large Scope

---

Everything related to the Organization is a part of Scope. This includes child companies, subdomains or any labelled asset owned by organization.

**Everything related to  
the Organization is a...**

---

**Recon To-Do**

# Recon To-Do

- Tracking & Tracing every possible signatures of the Target Application  
(Often there might not be any history on Google related to a scope target, but you can still crawl it.)
- Subsidiary & Acquisition Enumeration (Depth – Max)
- Reverse Lookup
- ASN & IP Space Enumeration and Service Identification

# Recon To-Do

- ASN
- Acquisitions
- Google Dorking to find Acquisitions
- Cloud Recon
- Certificate Transparency

# Recon To-Do

- Certificate Transparency
- Ad and Analytics
- Subdomain Enumeration
- Subdomain Takeover
- Probing & Technology Fingerprinting
- Port Scanning

# Recon To-Do

- Port Scanning
- Known Vulnerabilities
- Template Based Scanning (Nuclei/Jeales)
- Broken Link Hijacking
- Directory Enumeration
- Hardcoded Information in JavaScript

# Recon To-Do

- Hardcoded Information in JavaScript
- GitHub Reconnaissance
- Google Dorking
- Data Breach Analysis
- Parameter Fuzzing

# Recon To-Do

- Internet Search Engine Discovery (Shodan, Censys, Spyse, etc.)
- IP Range Enumeration (If in Scope)
- Wayback History
- Potential Pattern Extraction with GF and automating further for XSS, SSRF, etc.
- Heartbleed Scanning

# Recon To-Do

SSRF, etc.

- Heartbleed Scanning
- General Security Misconfiguration Scanning
- And any possible Recon Vector (Network/Web) can be applied.
- code-review

# ASN

- asnlookup ↗
- metabigor
- org2asn

# Acquisitions

- crunchbase
- wikipedia
- <https://www.startupranking.com/startup/google/acquisitions>
- aleph.occrp.org

# crunchbase

<https://pentestingdorks.netlify.app/crunchbase>

site:crunchbase.com google acquisitions

```
cat tmp.txt | grep -E "https://www.crunchbase.com/organization/|https://www.crunchbase.com/acquisition/" | sed 's/acquisition/organization/' | sed 's|.*|\(.*\)-acquires-\(.*\)--.*|https://www.crunchbase.com/organization/\2|'
```

# wikipedia

site:wikipedia.org google acquisitions

# aleph.occrp.org

<https://aleph.occrp.org/entities/7b7d09a2d8dc6ba480655a79953630f61331cf60.da69c7367a0c0d85c10efa72076cb762c2884eda>

# Google Dorking to find Ac...

- Trademark
- Twitter
- Apex Domains
- TLD
- ORG Name / Subsidiaries

# Google Dorking to find Ac...

• Top Level Domains

- TLD
- ORG Name / Subsidiaries
- Wildcard Domains
- Favicon

# Trademark

- intext:"Copyright © 2024 Google LLC"
- intext:"Copyright © 2024 google"
- intext:"2024 Google LLC"
- intext:"Google LLC. All rights reserved."

# change different year also like 2023, 2022

# Twitter

[https://twitter.com/search?q=google&src=typed\\_query&f=user](https://twitter.com/search?q=google&src=typed_query&f=user)

# this will give Appex Domains and TLD

# Apex Domains

- intext:"2024 google"
  - site:google
- # change different year also like 2023, 2022

# TLD

- site:\*.google.\* -site:google.com
- site:\*.\*.google -site:google.com
- site:google.\*
- intext:@google.com
- intext:@google
- curl -s "https://crt.sh/?q=google&output=json" | jq -r '.[].common\_name' | grep "\*" | unew -p

# TLD

- site:\*.google.\* -site:google.com
- site:\*.\*.google -site:google.com
- site:google.\*
- intext:@google.com
- intext:@google
- curl -s "https://crt.sh/?q=google&output=json" | jq -r '.[].common\_name' | grep "\*" | unew -p

Large Scope

---

# TLD

---

## tldscan

# tldscan

```
bash tldscan -q google
```

# ORG Name / Subsidiaries

```
curl -s 'https://www.google.com/search?  
q=Google+Inc.+subsidiaries&sourceid=chrome&ie=UTF-8' -H 'user-agent:  
Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/53  
7.36 (KHTML, like Gecko) Chrome/128.0.0.0 Safari/537.36' | grep -oP 'role="tab"  
title="\K[^"]+' | unew
```

# Wildcard Domains

# Do with all apex domains like this with 10 \*.

site:\*.withgoogle.com

site:\*.\*.withgoogle.com

site:\*.mandiant.com

site:\*.\*.mandiant.com

# Favicon

- FOFA
- FavFreak

# Cloud Recon

- Cloudrecon
- <http://kaeferjaeger.gay>
- CIDR Ranges

# Cloudrecon

<https://github.com/g0ldencybersec/CloudRecon>

Tool

Ip ranges

[https://raw.githubusercontent.com/lord-alfred/ipranges/main/all/ipv4\\_merged.txt](https://raw.githubusercontent.com/lord-alfred/ipranges/main/all/ipv4_merged.txt)

CloudRecon scrape -i ipv4\_merged.txt | grep 'target.com'

Large Scope

# Cloudrecon

<https://github.com/g0ldencybersec/CloudRecon>

Tool

Ip ranges

[https://raw.githubusercontent.com/lord-alfred/ipranges/main/all/ipv4\\_merged.txt](https://raw.githubusercontent.com/lord-alfred/ipranges/main/all/ipv4_merged.txt)

CloudRecon scrape -i ipv\_merged.txt | grep 'target.com'

# CIDR Ranges

<https://whois.arin.net/ui/query.do>

```
prips 23.228.128.0/18 | certinfo | jq -r '.Certificate_Subject_Alternative_Name //  
empty | .[]'
```

and

```
prips 23.228.128.0/18 | hakip2host | awk '{print $3}' | tee -a hakip2host-output.txt
```

# CIDR Ranges

<https://whois.arin.net/ui/query.do>

```
prips 23.228.128.0/18 | certinfo | jq -r '.Certificate_Subject_Alternative_Name //  
empty | .[]'
```

and

```
prips 23.228.128.0/18 | hakip2host | awk '{print $3}' | tee -a hakip2host-output.txt
```

# Certificate Transparency

- certinfo
- rcert
- cero

# rcert

bash rcert.sh google.com

or

bash rcert.sh domains.txt

Large Scope

---

# Ad and Analytics

---

Builtwith

# Builtwith

Firefox Extension:

<https://addons.mozilla.org/en-US/firefox/addon/builtwith>

Chrome Extension:

<https://chromewebstore.google.com/detail/builtwith-technology-prof/dapjbgnjinbpoindlpdmhochffioedbn?hl=en&pli=1>

Using CLI tool:

[https://github.com/apickee/python3\\_getrelationship.py](https://github.com/apickee/python3_getrelationship.py)

Firefox Extension:

<https://addons.mozilla.org/en-US/firefox/addon/builtwith>

Chrome Extension:

<https://chromewebstore.google.com/detail/builtwith-technology-prof/dapjbgnjinbpoindlpdmhochffioedbn?hl=en&pli=1>

Using CLI tool:

`python3 getrelationship.py apigee.com`

`FgMABMLf4RoJrjFXjTBT1/13WHxgNxUwCJmvd0Urq2gzhAVVXcQBcVTITfkZXcqVo  
yhEbYgRK+mQLAAJ5vej8jGtt0f0lzFtQ1N/gy9qDXU= | tee -a output.txt`

# Thank you