

HACKING

YOUR

WAY IN

WITH URLSCAN



@TinderEng 

@uraniumhacker 



Tinder Security Labs

What is URLScan

Free website analysis tool to detect malicious websites

Used frequently by email security vendors for:

- Anti-phishing protection
- Malicious files and domains checks (for malwares)

URLs are auto-submitted by vendors to URLScan. Default scan is private/unlisted but can be made public with ***visibility=public***

Supports

- Manual scan
- API based scan for integrations

Problem

URLScan is commonly used in Anti-Phishing systems to identify malicious websites.
Can they be misconfigured?

Previously

GitHub

January 2021 - October 2021

- URLScan triggered in every page deploy.
- Leaked private repo names and and page urls

Now



okta

onelogin

salesforce

URLScan Query Help

Page attribute

- **What URLScan sees at the end**
- ***page.domain & page.url = Final URL/Domain for URLScan***

Task Attribute

- **Data about the task**
- ***task.url & task.domain = submitted URL to URLScan***

23andme.okta.com

99.83.213.230 

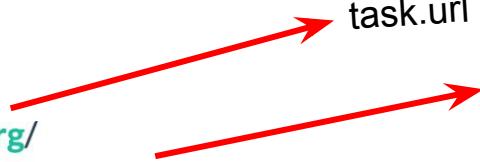
Submitted URL: <https://admin.23andme.org/>

Effective URL: https://23andme.okta.com/login/login.htm?fromURI=%2Fapp%2F23andme_cloudfareaccesssaml_1%2Fexkrw

Submission: On August 12 via api (August 12th 2022, 7:12:57 pm UTC) from US  – Scanned from DE 

task.url

page.url



 Summary

 HTTP 18

 Redirects

 Links 1

 Behaviour

 Indicators

 Similar

 DOM

 Content

 API

Internal Domains & SSO



onelogin

okta

Identifying internal domains

Most internal domains redirect to Okta/Onelogin/IdP. URLScan tracks this.

The screenshot shows a web interface for URLScan. At the top, there's a red header bar with three dots on the left. Below it is a search bar. The main area is titled "Search results (10 / 10, sorted by date, took 26ms)". Underneath, there's a section for "URL". Three results are listed:

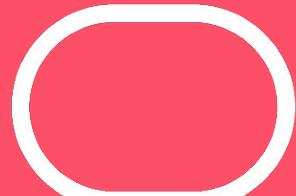
- 1 URL: hackerone.okta.com/login/login.htm?fromURI=%2Fapp%2Fduonetworkgateway%2Fexk15tv...
Redirect from: support-app.staging.inverselink.com
IP: 52.14.242.28 - PTR: ec2-52-14-242-28.us-east-2.compute.amazonaws.com - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)
- 2 URL: hackerone.okta.com/login/login.htm?fromURI=%2Fapp%2Fduonetworkgateway%2Fexk15tv...
Redirect from: support-app.testserver.inverselink.com
IP: 52.14.242.28 - PTR: ec2-52-14-242-28.us-east-2.compute.amazonaws.com - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)
- 3 URL: hackerone.okta.com/login/login.htm?fromURI=%2Fapp%2Fduonetworkgateway%2Fexk15tv...
Redirect from: support-app.inverselink.com
IP: 52.14.242.29 - PTR: ec2-52-14-242-29.us-east-2.compute.amazonaws.com - Server: nginx

Query #1

```
page.domain: (company*.okta* OR  
company*.onelogin*) AND  
page.redirected:off-domain
```

- Covers Okta and Onelogin SSO
- Includes domains like:
 - company-dev.okta.com - Thanks wildcard!

Internal Documents



Internal Documents - Office 365

Critical Services in Office 365

- OneDrive files and folders
- Files in Sharepoint

Both can be shared individually and with “magic link” format

Magic Link

- If a user has the URL let them access the document. **No authentication required**

Internal Documents - Office 365

How are shared files loaded?

- **onedrive.aspx**
 - Folders
 - Non-Office files such as: PDFs, mp4, etcs.
- **Doc.aspx**
 - Word
 - Excel
 - Powerpoint

Internal Documents - Office 365

File sharing and submission redirection logic

- **onedrive.aspx and Doc.aspx are final location**
- **Submitted shared URLs can be:**
 - `https://<company>-my.sharepoint.com/FILE_TYPE/g/<TOKEN>`
- **Examples:**
 - `SHAREPOINT_URL/:p:/g/personal/user_company_com/<token>`
 - `SHAREPOINT_URL/:w:/g/personal/user_company_com/<token>`
 - `SHAREPOINT_URL/:x:/g/personal/user_company_com/<token>`
 - `SHAREPOINT_URL/:f:/g/personal/user_company_com/<token>`
 - `SHAREPOINT_URL/:b:/g/personal/user_company_com/<token>`

Internal Documents - Office 365

Query Logic: Search just for the magic URL

```
page.asn:AS8068 page.url:(("/:f:/g"))
```

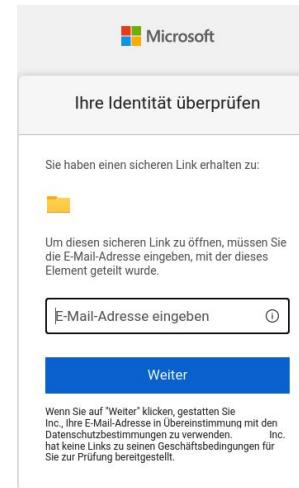
Search for domains, IPs, filenames, hashes, ASNs

Search results (100 / 399)

Showing All Hits Details:Visible

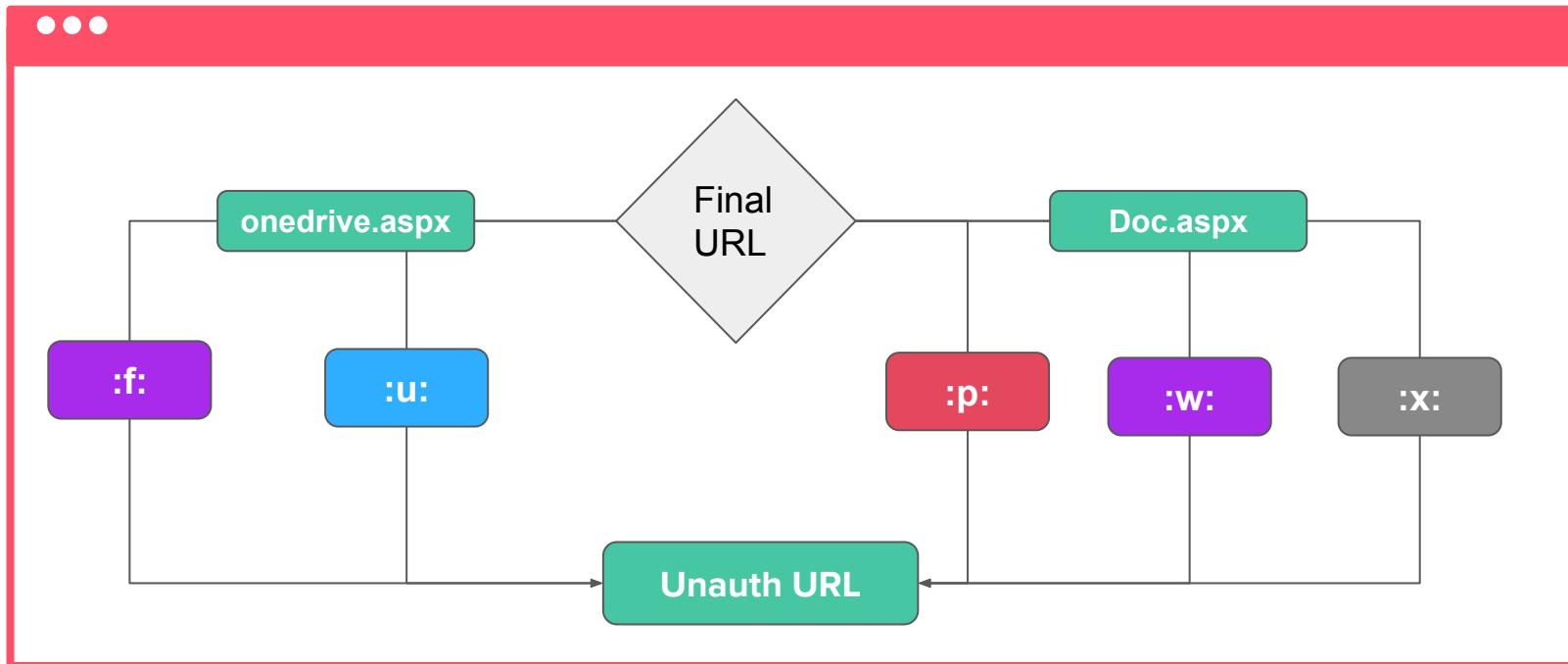
	URL	Age	Size	IPs	Links	Flags
1	URL: .sharepoint.com/:f/p/jkim/Erq0Dn Public L_NB ytW... 200	4 days	133 KB	9	5	2
	IP: 13.107.138.9 GeoIP: US - AS8068 (MICROSOFT-CORP-MSN-AS-BLOCK, U S)			Via: manual		

	URL	Age	Size	IPs	Links	Flags
2	URL: .sharepoint.com/:f/p/aiden_daly1/E Public q Redirect from: 90Dga8dpdDn! IP: 13.107.138.9 GeoIP: US - AS8068 (MICROSOFT-CORP-MSN-AS-BLOCK, U S)	5 days	124 KB	8	4	2
	IP: 13.107.138.9 GeoIP: US - AS8068 (MICROSOFT-CORP-MSN-AS-BLOCK, U S)			Via: manual		



Internal Documents - Office 365

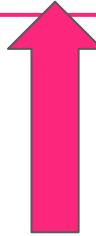
Query Logic: Use search API to identify all onedrive/doc URLs and check originating url.



Internal Documents - Office 365

Query Logic: Use search API to identify all onedrive/doc URLs and check originating url.

```
page.asn:AS8068 page.url:(onedrive.aspx OR Doc.aspx) task.url:"/:p:/g"
```



Internal Documents - Office 365

```
{  
    "task": {  
        "visibility": "public",  
        "method": "manual",  
        "domain": "drive.company.com",  
        "apexDomain": "company.com",  
        "time": "2022-03-30T03:39:16.783Z",  
        "uuid": "74d33471-add0-4ffh-87hc-7he831hhb29e",  
        "url": "https://drive.company.com/:f/g/personal/jack_johnson_company_com/TOKEN?e=CODE"  
    },  
    "page": {  
        "country": "US",  
        "redirected": "same-domain",  
        "ip": "13.107.139.11",  
        "mimeType": "text/html",  
        "title": "System - OneDrive",  
        "url": "https://drive.company.com/personal/jack_johnson_company_com/_layouts/15/onedrive.aspx?  
id=%2Fpersonal%2Fjack%5fjohnson%5fcompany%5fcom%2FDocuments%2FAgencies%2FInformation&ga=1",  
        "tlsValidDays": 365,  
        "tlsAgeDays": 48,  
        "tlsValidFrom": "2022-02-09T17:33:20.000Z",  
        "domain": "drive.company.com",  
        "umbrellaRank": 679213,  
        "apexDomain": "",  
        "asname": "MICROSOFT-CORP-MSN-AS-BLOCK, US",  
        "asn": "AS8068",  
        "tlsIssuer": "Entrust Certification Authority",  
        "status": "200"  
    },  
    "_id": "123"  
}
```

Originating URL

Final URL

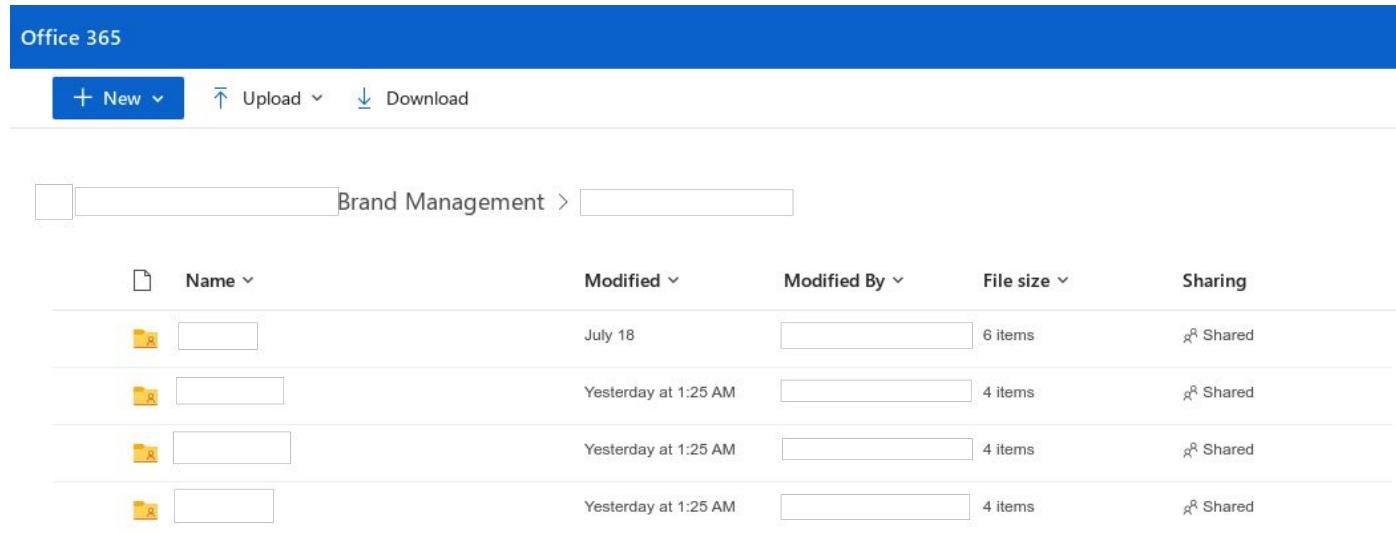
The terminal window displays a JSON object with various fields like task, visibility, method, domain, apexDomain, time, uuid, and url. The url field is highlighted with a red box and labeled 'Originating URL'. Below it, another red box highlights the url field in a 'page' object, which is labeled 'Final URL'. At the bottom of the terminal, there is a command-line interface for 'sharepoint_search.py' with some status output and a list of URLs.

```
rojanrijal@rojanrijal urlscan % python3.9 sharepoint_search.py  
Total: 12; Current list: 12  
Unauth access count: 3  
https:// :/f/g/personal/ /Ev8GKj  
https:// :/f/g/personal/ /EnZew.  
https:// :/f/g/personal/ m/EtZKz  
LiUL0  
wpG8  
gfVwd
```

Internal Documents - Office 365

Accessing the URL

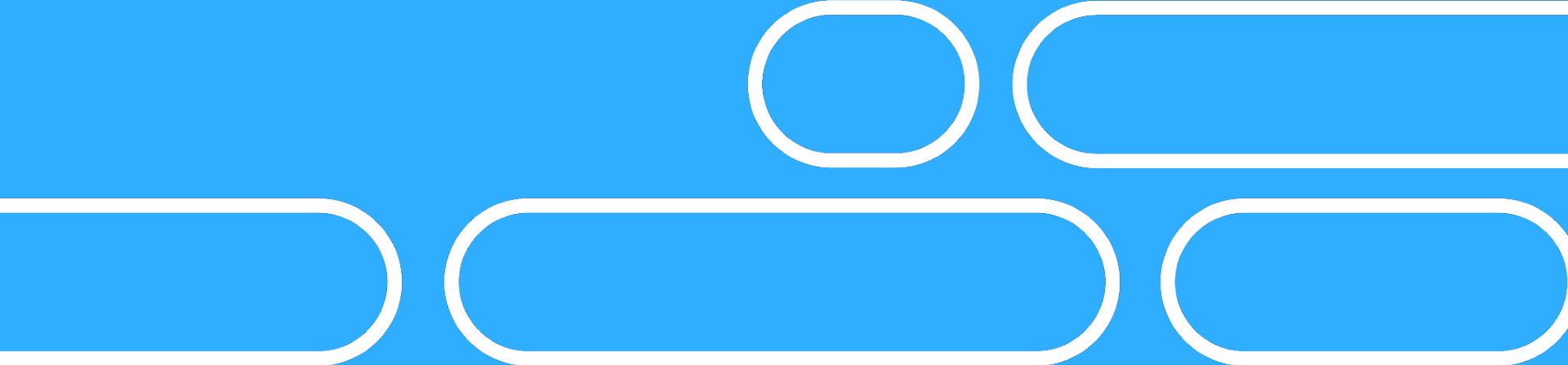
- Originating url (Task URL) are the Magic link urls.
- Once identified, they can be used to directly access the folders and files.



The screenshot shows a SharePoint library interface titled 'Brand Management'. At the top, there is a blue header bar with the 'Office 365' logo and navigation buttons for '+ New', 'Upload', and 'Download'. Below the header, the library title 'Brand Management' is displayed next to a folder icon. The main area contains a table listing four folder items. The columns are labeled 'Name', 'Modified', 'Modified By', 'File size', and 'Sharing'. Each row shows a folder icon, a redacted folder name, the modification date (either 'July 18' or 'Yesterday at 1:25 AM'), a redacted user name, '6 items' or '4 items' file size, and a 'Shared' status with a person icon.

Name	Modified	Modified By	File size	Sharing
[REDACTED]	July 18	[REDACTED]	6 items	g ^A Shared
[REDACTED]	Yesterday at 1:25 AM	[REDACTED]	4 items	g ^A Shared
[REDACTED]	Yesterday at 1:25 AM	[REDACTED]	4 items	g ^A Shared
[REDACTED]	Yesterday at 1:25 AM	[REDACTED]	4 items	g ^A Shared

Internal SaaS



Domain Capture 101

Auto-add users based on their email domain

Common occurrences

- Manual setup - Setup with Domain verification
- Automated Setup - Based on first user signup, shared tenant environment

Examples:

- Atlassian
- Dropbox
- Box
- Notion
- Asana
- Slack



File sharing service - Similar to Google Drive & Office365

User creation

- **Manual Signup**
- **Invite a user**
- **Share a file**
 - If a receiver of shared file does not exist, they get to create an account



Find invites

Search for domains, IPs, filenames, hashes, ASNs

Search results (97 / 97, sorted by date, took 30ms)

URL: quip.com/v/

IP: 2600:1f14:c9:350:5:c5:f3b4:74d:7133 - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)

URL: quip.com/v/

IP: 2600:1f14:c9:350:2:754:3245:3319:9:63b - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)

URL: quip.com/v/

IP: 2600:1f14:c9:350:1:1b2:610e:ce:55e7 - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)

URL: quip.com/v/

IP: 2600:1f14:c9:350:2:3a30:73eb:3275:e517 - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)

URL: quip.com/v/ ?tracking_code=1&reminder=1

IP: 2600:1f14:c9:350:2:5ec:fbab4d:372a - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)

URL: quip.com/v/

IP: 2600:1f14:c9:350:1:b35b:956:6892:7abf - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)

URL: quip.com/v/ ?tracking_code=1&reminder=1

IP: 2600:1f14:c9:350:1:6464:24ad:9291de7c - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)

URL: quip.com/v/

IP: 2600:1f14:c9:350:2:3e61:7beada7e:1ae8 - Server: nginx
GeoIP: US - AS16509 (AMAZON-02, US)

Showing All Hits Details:Visible

Age	Size	IPs	Via	Details
19 days	198 KB	8	3	1
22 days	198 KB	8	3	1
2 months	198 KB	8	3	1
2 months	197 KB	8	3	1
2 months	1 MB	24	8	3
2 months	1 MB	23	8	3
3 months	1 MB	23	8	3
3 months	1 MB	24	8	3

Query

- Signup verification is: quip.com/v/<token>
- File share is: quip.com/v/<token>
- Query:
page.domain:quip.com
[page.url:/'v'/"](http://page.url:/'v'/)



Send invites

[REDACTED] invited you to the document

[REDACTED]" on Quip. Create an account to get access.

Email

[REDACTED]@[REDACTED].co.uk

Full Name

Full Name

Password

Password

I agree to the [Master Subscription Agreement \(MSA\)](#) and the [Privacy Statement](#).



Send invites

Quip

Let's get you up and running on Quip!

[REDACTED] invited you to the “[REDACTED]” folder on Quip. Create an account to get access.

Email address

@[REDACTED].com

Full name

Full name

First and last name, please.

Password

Password

[VIEW FOLDER](#)

By signing in, you agree to the [Terms of Use](#) and [Privacy Policy](#).

Recon Village @ Defcon 30

General
Information

Team
Setup

Add Team
Members

Hey there! I'm Emma, your product specialist. Welcome to Quip!

Your spiffy business team trial account is:

- ✓ Completely Free
- ✓ No Commitment
- ✓ Requires No Credit Cards

We'll only ask you to pay if you and your team love using Quip

As you know, we're a platform for making living docs that help you manage projects and work less dumb with your team.



What does the invite give us?

A signed up user with @example.com can join ALL example.com instance

Invitation Link in Quip

Complete Signup

Join Organization

quip.com

35.162.197.34

URL: <https://quip.com/v/> [REDACTED]
Submission: On April 25 via manual (April 25th 2018, 4:36:30 pm UTC) from US

[Summary](#) [HTTP 38](#) [Redirects](#) [Behaviour](#) [Indicators](#) [Similar](#) [DOM](#) [Content](#)

Summary

This website contacted 13 IPs in 3 countries across 18 domains to perform 38 HTTP transactions. The main IP is **35.162.197.34**, located in **Boardman, United States** and belongs to **AMAZON-02 - Amazon.com, Inc., US**. The main domain is **quip.com**.
TLS certificate: Issued by **Amazon** on March 1st 2018. Valid for: a year.

quip.com scanned 5387 times on urlscan.io

Show Scans 5387

urlscan.io Verdict: No classification

Email

Full Name

Password

I agree to the [Master Subscription Agreement \(MSA\)](#) and the [Privacy Statement](#).

[Create Account](#)

Recon Village @ Defcon 30

Company

company.quip.com

20000 members: Employee 1
(emp.1@company.com), Employee 2
(emfirst.last@company.com), EmpFirst
EmpLast (emp3first.emp3last@company.com)
and 19997 more from company.com

[JOIN SITE](#)

Atlassian

Known for JIRA, Confluence etc.

User creation

- Invitation
- Sign up/Registration

Similar to Quip, has domain capture so if you get into one you get into multiple Atlassian

Atlassian

Find registrations

The screenshot shows a list of five registration links from the domain id.atlassian.com. Each entry includes the URL, redirect information, IP address, server, and GeolIP details. The results are categorized as Public with a status of 200.

URL	Redirect from:	IP	Server	GeolIP	Status
1 URL: id.atlassian.com/signup/welcome?continue=https%3A%2F%2F atlassian.net%2F...					Public 200
2 URL: id.atlassian.com/signup/welcome?continue=https%3A%2F%2F .atlassian.net%2F...					Public 200
3 URL: id.atlassian.com/signup/welcome?continue=https%3A%2F%2F .atlassian.net&to...					Public 200
4 URL: id.atlassian.com/signup/welcome/p/opsgenie?continue=https%3A%2F%2F .atl...					Public 200
5 URL: id.atlassian.com/signup					Public 200

Query

- Registration link is through:
[id.atlassian.com](https://page.domain:id.atlassian.com)
- Query:
[page.domain:id.atlassian.com page.url:"/signup/"](https://page.url:'/signup/')

Atlassian

Find Registrations



Set up your Atlassian account

Continue to Confluence

johnson@[redacted].com

Enter full name

Create password

By signing up, I accept the Atlassian Cloud [Terms of Service](#) and acknowledge the [Privacy Policy](#).

[Sign up](#)

OR

[Continue with Google](#)

[Continue with Microsoft](#)

[Continue with Apple](#)

This page is protected by reCAPTCHA and the Google [Privacy Policy](#) and [Terms of Service](#) apply

Atlassian

What does the invite give us?

Like Quip, a signed up user with @example.com can join ALL example.com instance

Invitation Link for Atlassian

id.atlassian.com

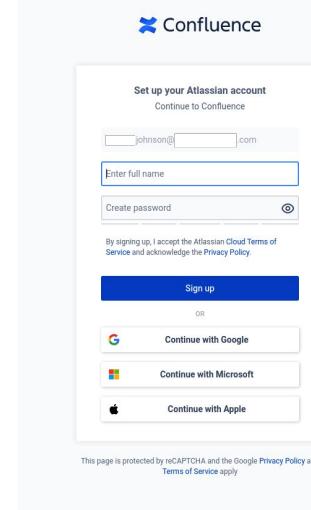
104.192.142.9

Submitted URL:
Effective URL: <https://id.atlassian.com/signup/welcome?continue=https://id.atlassian.com/>
Submission: On April 10 via api (April 10th 2022, 2:15:11 pm UTC) from US - Scanned from US
[Summary](#) [HTTP 44](#) [Redirects](#) [Links 5](#) [Behaviour](#) [Indicators](#) [Similar](#) [DQ](#)

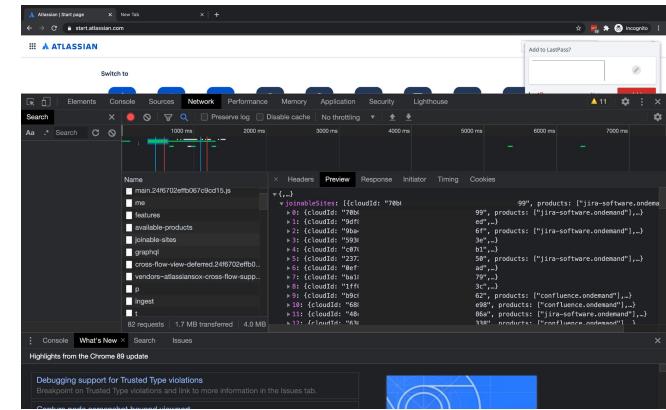
Summary

This website contacted 8 IPs in 1 countries across 5 domains to perform 44 HTTP transactions.
The main IP is 104.192.142.9, located in United States and belongs to AMAZON-AES.US. The main domain is id.atlassian.com. The Cisco Umbrella rank of the primary domain is 25827.
TLS certificate: Issued by DigiCert SHA2 High Assurance Server CA on April 8th 2020. Valid for: 2 years.

Complete Signup



Join Organization



Dropbox

Domain capture available for team management

Team management:

- **Email invite**
- **SCIM**
 - **JIT provision and invites**
 - **Account deletion**

Dropbox

Find invites

The screenshot shows a web interface with a blue header bar and a white content area. In the content area, there are three numbered items (1, 2, 3) each representing a URL. Each item includes a small green padlock icon, the URL, a 'Public' button, a '200' status code, a 'Redirect from' field, an IP address, a Server name, and a GeolP location.

- 1 URL: [www.dropbox.com/team/join?email=\[REDACTED\]&email_signature=AWjqoTXr3E...](https://www.dropbox.com/team/join?email=[REDACTED]&email_signature=AWjqoTXr3E...) Public 200
Redirect from: www.dropbox.com/[REDACTED]/team/welcome
IP: 2620:100:6022:18::a27d:4212 - Server: envoy
GeolP: US - AS19679 (DROPBOX, US)
- 2 URL: www.dropbox.com/team/join/login?cont=https%3A%2F%2Fwww.dropbox.com%2Fteam%2Fjoin... Public 200
Redirect from: www.dropbox.com/[REDACTED]/team/welcome
IP: 2620:100:6022:18::a27d:4212 - Server: envoy
GeolP: US - AS19679 (DROPBOX, US)
- 3 URL: www.dropbox.com/1Pmu8/team/welcome Public 200
Redirect from: www.dropbox.com/[REDACTED] 1Pmu8/team/welcome
IP: 2620:100:6022:18::a27d:4212 - Server: envoy
GeolP: US - AS19679 (DROPBOX, US)

Query

- Team invite links are like magic URLs
- End with [team/welcome](#)
- Query:
[task.domain:dropbox.com AND task.url: "/team/welcome"](#)



Access enrollment

Welcome to [REDACTED] Dropbox Business

To join your team on Dropbox, create an account.

[REDACTED].com

Rojan 

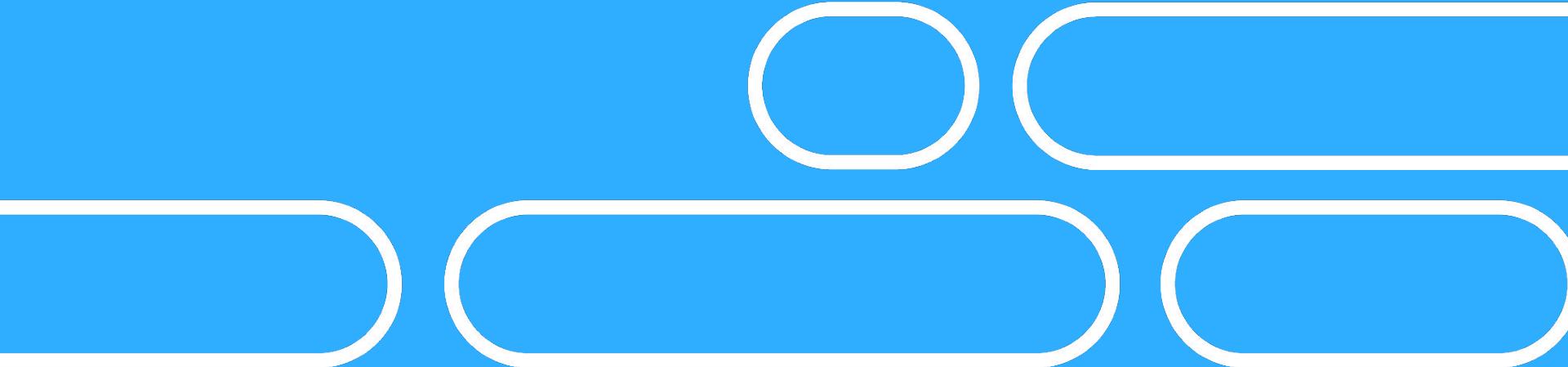
Rijal

***** 

I agree to the [Dropbox terms](#)

Create account

Race to the end



Salesforce

Query Goals

- Find internal Salesforce instances to test

page.domain:SSO_URL AND task.domain:force.com

```
rojanrijal@rojanrijal sret % python3.9 main.py https://[REDACTED].force.com
INFO:Scan date: 07/29/2022
INFO:> Testing: https://[REDACTED].force.com
INFO:>> Testing unauth objects.
INFO:>>> Found FieldBasedPAC to be accessible.
INFO:>>> Found Calendar to be accessible.
INFO:>>> Found Holiday to be accessible.
INFO:>>> Found CalendarShare to be accessible.
```

page.domain:okta.com AND task.domain:force.com			
Search results (100 / 245)			
<input checked="" type="checkbox"/> Showing All Hits			<input checked="" type="checkbox"/> Details: Visible
URL	Age		
URL: [REDACTED].okta.com/app/salesforce/exk3cxuwpaPOrrZyR0	1 day		
WPPJ356/sso/saml	200		
Redirect from: [REDACTED].lightning.force.com/lightning/r/Task/000JlmhUAG/view	00		
IP: 35.71.178.224 - PTR: a71a8df23b4ce90e.awsglobalaccelerator.com - Server: nginx			
GeoIP: US - AS16509 (AMAZON-02, US)			
URL: [REDACTED].okta.com/app/salesforce/exk3cxuwpaPOrrZN02p7/sso/saml	1 day		
Redirect from: [REDACTED].lightning.force.com/lightning/r/Report/004PLfYUAW/view	403		
IP: 13.248.165.67 - PTR: ae52e19d4a7095f43.awsglobalaccelerator.com - Server: nginx	004PL		
GeoIP: US - AS16509 (AMAZON-02, US)			

Salesforce

Query Goals

- Direct access with password resets

```
task.url:"_ui/system/security/ChangePassword" OR  
page.url:"_ui/system/security/ChangePassword"
```

task.url:"_ui/system/security/ChangePassword" OR page.url:"_ui/system/security/ChangePassword"

Q Search X Help

Showing All Hits Details: Visible

Search results (100 / 1548, sorted by date, took 84ms)

URL	Age	Size	IPs		
1 URL: force.com/portal/_ui/system/security/ChangePassword?retURL=%2Fpor...	2 hours	449 KB	18	1	1
Redirect from: force.com/portal/login?c=					
IP: 13.110.33.26 - PTR: dd13-ncg0-iad3.na132-ia2.force.com					
GeoIP: US - AS14340 (SALESFORCE, US)					
2 URL: force.com/litememberportal/s/login/	2 hours	1 MB	20	5	3
Redirect from: force.com/litememberportal/_ui/system/security/ChangePassword?retURL=%2...					
IP: 13.110.249.223 - PTR: dc18-ncg1-c5-iad4.na210-la4.force.com					
GeoIP: US - AS14340 (SALESFORCE, US)					

The dialog box shows fields for entering a new password and confirming it, along with password complexity requirements:

Enter a new password for [username]. Make sure to include at least:

- 8 characters
- 1 uppercase letter
- 1 lowercase letter
- 1 number
- 1 special character ⓘ

* New Password

* Confirm New Password

Change Password

Password was last changed on 7/29/2022 4:23 PM.

Okta

One race to win them all

URL	Age
URL: [REDACTED].okta.com/user/welcome Redirect from: [REDACTED].okta.com/welcome/[REDACTED] IP: 13.248.212.212 - PTR: a95f94dcbb67173ac.awsglobalaccelerator.com - Server: nginx GeoIP: 🇺🇸 US - AS16509 (AMAZON-02, US)	Public 200 13 hours Via: api
URL: [REDACTED].okta.com/user/welcome Redirect from: [REDACTED].okta.com/welcome/[REDACTED] IP: 76.223.94.4 - PTR: a95f94dcbb67173ac.awsglobalaccelerator.com - Server: nginx GeoIP: 🇺🇸 US - AS16509 (AMAZON-02, US)	Public 200 17 hours Via: api
URL: [REDACTED].okta.com/user/welcome Redirect from: [REDACTED].okta.com/welcome/[REDACTED] IP: 76.223.94.4 - PTR: a95f94dcbb67173ac.awsglobalaccelerator.com - Server: nginx GeoIP: 🇺🇸 US - AS16509 (AMAZON-02, US)	Public 200 1 day Via: api

Query

- User invites to okta is:
 - **company.okta.com/welcome/TOKEN**
 - URLs expire after use
 - Query: **task.domain:okta.com AND task.url:welcome**



Access account enrollment

Recon Village @ Defcon 30

Welcome to [redacted]
Create your [redacted] account

Enter new password

Password requirements: at least 8 characters, a lowercase letter, an uppercase letter, no parts of your username.

Repeat new password

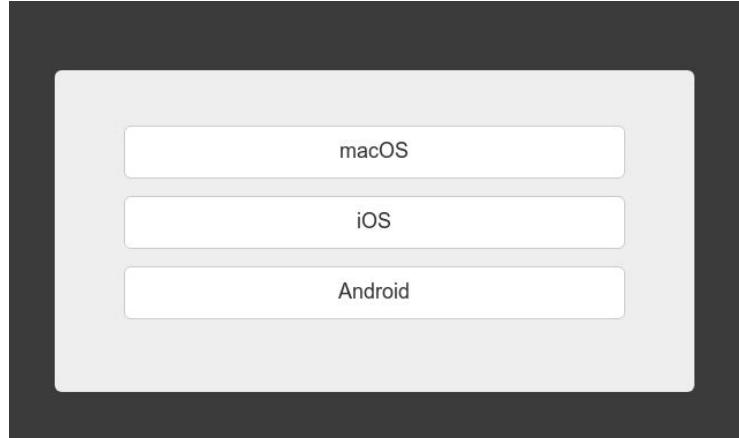
Choose a forgot password question

Answer

Click a picture to choose a security image
Your security image gives you additional assurance that you are logging into Okta, and not a fraudulent website.

Other Sensitive Targets

- JAMF
 - Invitation tokens
 - Password resets
- Other SSOs
 - Invite urls
 - User password reset urls



Preventing / removal process

- My company is in URLScan what do I do? 😱
 - Report via result report button to remove individually indexed URLs
 - Results are removed/hidden immediately pending further investigation

Step 1: Choose Action

Comment & Verdict Request Review

Attention: Verdicts and comments can only be added by user-accounts which were registered more than a month ago.

Step 2: Submit Review Request

Read First

Attention

Do not request a review of this scan simply because this website is malicious!

If you believe this website is malicious then add a verdict instead.

Your report and comment will remain private!

Reason

Select the reason why this scan should be reviewed.

PII - Personal information (PII) is visible in scan (e.g. e-mail, name, photo)

PRIVATE - Private, proprietary or otherwise confidential websites were scanned

CSAM - Scan contains or links to Child Sexual Abuse Material (CSAM)

COPYRIGHT - Scan infringes on copyrights (e.g. DMCA complaints)

OTHER - Please specify the reason in the comment

Preventing / removal process

- How do I prevent this from happening?
 - Check your email security vendors/phishing playbook
 - Make sure scans are set either to unlisted or private

Thank You

- github.com/TinderSec
- medium.com/Tinder
- twitter.com/TinderEng