

- Track phishing infrastructure
- Track Command and Control (C2) infrastructure
- Track Traffic Distribution Systems (TDS) and affiliate marketing scams infrastructure
- Find domains hosting a specific payload

USE CASES

prepared to use your REGEX skills!

of intel

campaign.

If you are investigating a phishing targeting your company, creating a free account on Uriscan and using it will often prove that you are not the only target of the campaign and will give you tons

What is valuable is that results of public submissions done by other users are accessible to everyone. As many SOC analysts, security researchers, and some sandbox services use VirusScan, it is one of the best services to find infrastructure related to a malicious

every URL the query goes through, every resource fetched, parts of the page content, and some metadata.

Uriscan is basically an online service to scan URLs. It is available at uriscan.io. You can submit a URL, and it will query it, indexing

CONTEXT

[illegible]

TOOLS EDITION: URLSCAN.IO

OTHER THINGS TO KNOW

[UriScan Search API](#) is accessible even without an account. It could be useful for fetching all the results of a search in a structured format. The obtained JSON can then be easily filtered with `jq` or other similar tools.

```
# Query is passed URL encoded in the q parameter
curl "https://urlscan.io/api/v1/search?q=filename%3A%22337946.png%22%0A%20%20domain%3A%22bubbleapps.io%22" -o results.json
# Filter JSON
jq -r '.results[] | [.task.uid, .task.url, .page.url, .page.title] | @csv'
      results.json
```

When getting results from the UrlScan API, not all interesting data are contained inside the returned JSON. For example, the DOM content is not present. You can use the `.task.uid` field to get the DOM content of a result by querying `https://urlscan.io/dom/<UUID>`. This approach can be really handy when scripting data extraction from the DOM of a page, such as outgoing links, advertising IDs, or next-stage payload URLs.

```
jq -r '.results[].task.uuid' results.json | while read uuid; do
    curl --compressed "https://urlscan.io/dom/$uuid" -o "${uuid}.html"
done
```

unknown people working for my employer).

Similar URL scanning services are hosted at [urldna.jhu.edu](#), [urlscan.io](#), and [urlscan.net](#). [urlscan.io](#) is also worth trying. If you need to scan plenty of suspicious websites with a self-hosted tool, I recommend [gowitness](#) (disclaimer: made by

ALTERNATIVES

should be prepared to be rick-rolled to death.

Baddies will often try to mess with automatic analysis:
Infection/redirect chains will often be incomplete, and you

- **Telemetry is not exhaustive:** If you don't find something, it may exist elsewhere. Just hunt harder!
- **Not everything on URScan is malicious:** You should verify that things that appear malicious really are


While using UrIsCan, you should keep in mind its limitations:

LIMITATIONS

- Find domains hosted on a specific IP

Field	Description
page, domain, domain	Contacted domains
page, url	Contacted URLs
page, ip, ip	Contacted IPs
page, status	HTTP Response code
page, server	HTTP "Server" header of primary request
hash	Hash from a page resource
filename	Any URL that was requested
stats, datalen	Data size of all subresources
h	
content, inputna	Name attributes of input fields on page

NOT, and can also be grouped with `()`.

To use search filters, you should have an account; a free account is definitely worth it. Some queries may require you to be a Pro user and will be indicated with . Full search description is accessible [here](#), but the goal is to share the search techniques I use the most. The syntax to be used is generally `<search-filter>:<value>`. Filters can be combined with the capitalized operators `OR`, `AND`, and

SEARCHES

Goal	Query	Comment
hosted under a legitimate website with forms	<code>domain:"bubble apps.io"</code>	sometimes allows isolating a specific campaign.
Find phishing websites hosted under a legitimate website with resources	<code>filename:"337946.png" AND domain:"bubble apps.io" or hash:Seedb[...jd309 AND domain:"bubble apps.io"</code>	When consulting a result page, in the HTTP tab, you can see filenames and resource hashes. Never forget to click any suspicious ones to try clustering things!
Find phishing websites hosted under a legitimate website with stats	<code>stats.requests:17 AND domain:"bubble apps.io"</code>	Returns some false positives, but it is still better than nothing!

PIVOTS	
Goal	Query
Bulk domain search, find all pages associated to a list of domains	<code>domain:(domain1 OR domain2 OR ...)</code>
Search for domains matching a pattern or a TLD	<code>domain:/outlook.*\info/</code>
Search for a specific pattern in URL (here possible Minsloader C2)	<code>page.url:/.*1\shp?s=.*/*</code>

Remarks: Making pivots for phishing under a legitimate domain is a good way to improve your knowledge of UrlScan. It forces you to try many solutions and to find circumventions around the limited amount of data exposed by UrlScan.

Goal	Query	Comment
Find phishing websites hosted under a legitimate website with content	<code>text.content:"Ihr Dokument wurde erfolgreich" AND domain:"bubble apps.io"</code>	Filtering by content allows tracking a campaign for a specific geo. However, you will likely miss some results.
Find phishing websites	<code>content.inputNames:"company" AND</code>	Filtering by the <code>name</code> attribute of an HTML input