

Dormant Colors IoC Expansion: Don't Install Browser Extensions from These Domains

Table of Contents

1. [Executive Report](#)
2. [Appendix: Sample Domains](#)

Executive Report

Internet users are being tricked into installing browser extensions that can hijack their web searches. The end goal could be to insert affiliate links, but who knows what other malicious activities the threat actors behind them are capable of? To date, cybersecurity researchers have found 30 variants of the extension with more than [1 million combined installs](#) on the Chrome and Edge web stores.

WhoisXML API researchers analyzed the web properties tagged as indicators of compromise (IoCs) in the campaign dubbed “Dormant Colors.” Our investigation revealed that:

- 2,400+ domains related to the IoCs through their IP and name server (NS) resolutions, WHOIS records, and text string usage
- A few of the IoCs that still host pages prompting users to download programs and install browser extensions
- Several artifacts connected to the IoCs that host similar types of content

Dormant Colors IoCs through the DNS Lens

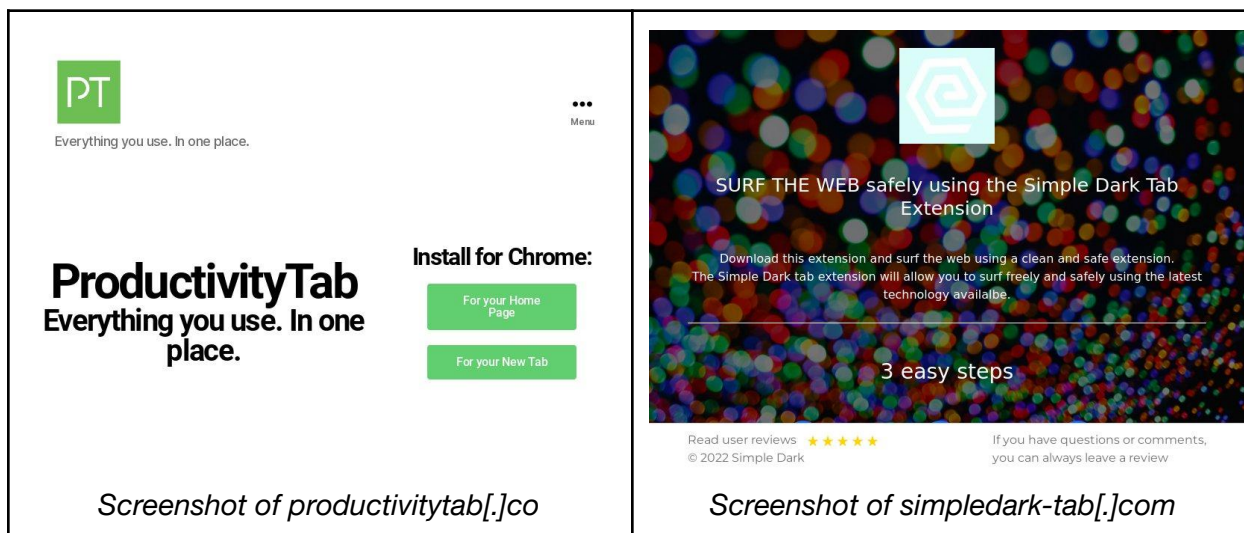
Guardio Labs researchers published 34 domains tagged as campaign IoCs. One glance at them tells us that more than half fell under the .xyz space with second-level domains (SLDs) containing 4–6 random alphanumeric characters.

The domains that don't appear to have been randomly generated contained strings like “smash,” “offer,” and “search.”



A [bulk WHOIS lookup](#) for the domains revealed four dominant name servers associated with 27 of the IoCs. The registrar of most of the domains was Porkbun, LLC, and all the IoCs had redacted WHOIS records.

As of 31 October 2022, almost all of the IoCs had active IP resolutions. Although most resolved to 404 pages, [screenshot lookup](#) results revealed some interesting live content. Below are some examples.



The content was consistent with that seen from the Dormant Colors campaign, where:

- After being presented with an ad, the target users were asked to download a program or video similar to that offered in productivitytab[.]co.
- Users who attempted to download the app were redirected to another page prompting them to install a color-changing browser extension like that offered by simpledark-tab[.]com.

Finding Artifacts Related to the Dormant Colors IoCs

We used everything we learned from our IoC analysis to look for related web properties with the help of reverse WHOIS and reverse IP/DNS tools. From 34 IoCs, we found 2,428 additional artifacts that we've broken down into the following types.

IP-Connected Artifacts

The active IoCs resolved to more than a hundred IP addresses, most of which were shared or public. We found 7,500+ connected domains, but we narrowed the artifacts down to those that shared the same IP hosts, WHOIS details, and name servers as the domains tagged as IoCs—222 domains fit the bill.



WHOIS-Connected Artifacts

We retrieved all the domains with the .xyz TLD extension and properties starting with the word “smash” added from 1 July to 28 October 2022 that matched the loCs’ WHOIS details.

Similarities were seen among them, including:

- The registrar was either Porkbun or Namecheap.
- The registrant organization was either “Private by Design, LLC” or “Privacy service provided by Withheld for Privacy.”
- The NSs were `terin[.]ns[.]cloudflare[.]com|wanda[.]ns[.]cloudflare[.]com` and `dan[.]ns[.]cloudflare[.]com|olga[.]ns[.]cloudflare[.]com`, exactly the same as those seen in the loCs’ NS WHOIS field.

In sum, we found more than 600 domains connected to the loCs in the ways described above.

Name Server-Connected Artifacts

We paid particular attention to the name servers of the domains tagged as loCs. We found thousands of properties using the four name servers, but narrowed down the list to 1,500+ domains containing the string “search.”

Artifact Screenshot Analysis

We subjected the connected domains to screenshot lookups and found that several hosted questionable content, including outright phishing pages.



⚠ Warning: Suspected Phishing Site Ahead!

This link has been flagged as phishing. We suggest you avoid it.

What is phishing?

This link has been flagged as phishing. Phishing is an attempt to acquire personal information such as passwords and credit card details by pretending to be a trustworthy source.

[Dismiss this warning and enter site](#)

What can I do?

If you're a visitor of this website

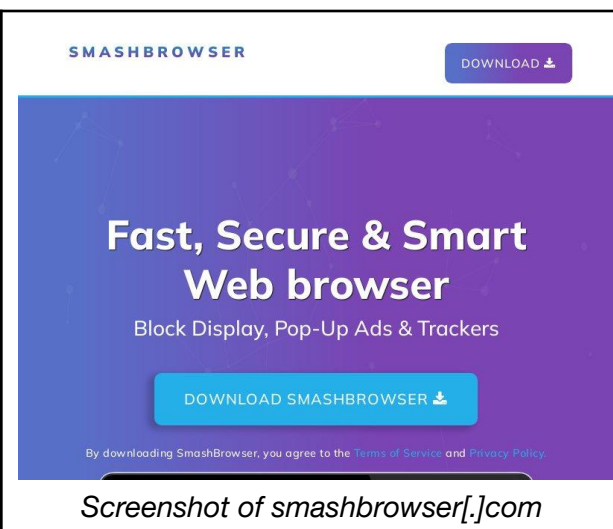
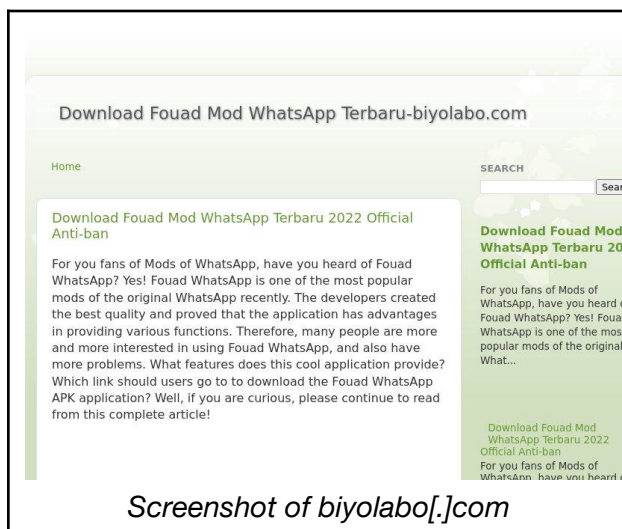
The website owner has been notified and is in the process of resolving the issue. For now, it is recommended that you do not continue to the link that has been flagged.

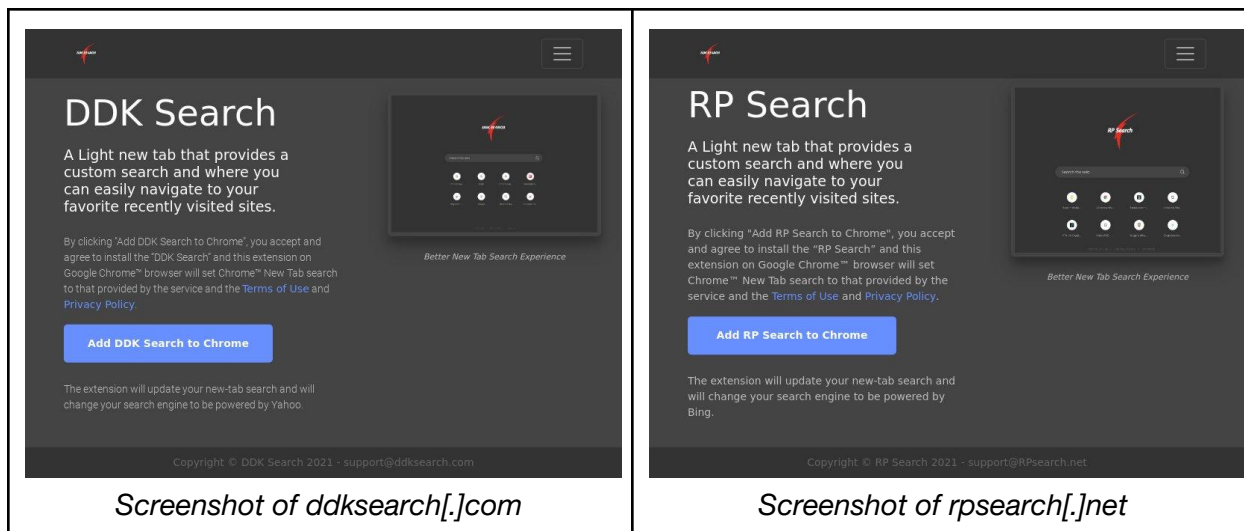
If you're the owner of this website

Please log in to cloudflare.com to review your flagged website. If you have questions about why this was flagged as phishing

Screenshot of de-sparkasse-tanlegitimation[.]com

We also detected some domains that hosted content similar to the IoCs that prompted users to download programs and install browser extensions. Below are some examples.





—

The Dormant Colors campaign appears to be financially motivated, as its perpetrators aimed to inject affiliate links to hijacked web searches. That may evolve into more malicious and lucrative activities, such as data theft and ransomware infections.

In fact, a bulk malware check on the artifacts revealed several malicious domains, including those that imitated WhatsApp and the decentralized financial platform dYdX. Timely and regular monitoring of digital properties related to IoCs can help mitigate threats.

If you wish to perform a similar investigation or get access to the full data behind this research, please don't hesitate to [contact us](#).

Appendix: Sample Domains

Sample IoCs

- isloov[.]com
- changecolorss[.]com
- simpledark-tab[.]com
- toodipex-sucticago[.]icu
- productivitytab[.]co
- smashofferss[.]com
- superofferss[.]com
- smashsearches[.]com
- smashaff[.]com
- 005gs[.]com
- lkbx[.]me
- websearches[.]club
- xcfss[.]xyz
- pelsx[.]xyz
- xcfss3[.]xyz
- eisex2[.]xyz
- lso2[.]xyz
- eisex[.]xyz



- vnhs[.]xyz
- dgopx[.]xyz
- yt5ds[.]xyz
- eix3[.]xyz
- 666xs[.]xyz
- sikxs[.]xyz
- bvii[.]xyz
- sokjs[.]xyz
- cs5s[.]xyz
- rssok[.]xyz
- 188xs[.]xyz
- udjx[.]xyz
- zcgxd[.]xyz
- lso1[.]xyz
- eix4[.]xyz
- xcfss2[.]xyz

Sample Artifacts Related to the IoCs through Their IP Hosts and WHOIS Details

- 02ca1yankee[.]xyz
- 188xs[.]xyz
- 1anizine[.]xyz
- 1cdnlink[.]xyz
- 1wdcv[.]xyz
- 1wios[.]xyz
- 1xslots-12[.]xyz
- 2six[.]xyz
- 326591205[.]xyz
- 366636[.]xyz
- 3doo[.]xyz
- 4ek5eqd7[.]xyz
- 52cjc857[.]xyz
- 5899c[.]xyz
- 598963807[.]xyz
- 5dty[.]xyz
- 5vp5[.]xyz
- 5zcp[.]xyz
- 65945512[.]xyz
- 666aiu[.]xyz
- 711321[.]xyz
- 800014[.]xyz
- 800088[.]xyz
- 8544436[.]xyz
- a51alien[.]xyz
- aaallworkable[.]xyz
- aartedosoutononovastempo[.]xyz
- aatl[.]xyz
- abc[.]huangbuyao1[.]xyz
- adlsena[.]xyz
- ahwroh[.]xyz
- ajmbsghe[.]xyz
- alinemobility[.]xyz
- allfree4gwv[.]xyz
- alphanutrition[.]xyz
- amanbe[.]xyz
- am-anime[.]xyz
- amazingwear[.]xyz
- amkkhot[.]xyz
- anbarsaid[.]xyz
- answer404[.]xyz
- api[.]mrmeomeo[.]xyz
- api[.]spotify[.]gridling[.]xyz
- apicdn13[.]xyz
- apkimp[.]xyz
- appointy[.]xyz
- assortedfair[.]xyz
- australiablob[.]xyz
- autodiscover[.]educatijd[.]xyz
- autoinsurancesum[.]xyz



Sample Artifacts Connected to the IoCs through Their WHOIS Details and Text Strings

- hhyrd1[.]xyz
- vn2jh55[.]xyz
- nmklor[.]xyz
- cggd5[.]xyz
- cxuu66[.]xyz
- tyrw55[.]xyz
- sfg5r[.]xyz
- kd55d[.]xyz
- oooipn[.]xyz
- tuiws5[.]xyz
- jidxx2[.]xyz
- tres69[.]xyz
- v5y8e[.]xyz
- ues5x9[.]xyz
- pyrd5[.]xyz
- mss58r[.]xyz
- nj5sd4s[.]xyz
- ews95[.]xyz
- 5447sg[.]xyz
- iteolk[.]xyz
- asf69[.]xyz
- xcfss1[.]xyz
- skxj[.]xyz
- eix4[.]xyz
- lso3[.]xyz
- dgopx[.]xyz
- xcfss3[.]xyz
- eix3[.]xyz
- eix[.]xyz
- sokjs[.]xyz
- pelsx[.]xyz
- 188xs[.]xyz
- bvii[.]xyz
- xcfss[.]xyz
- lso1[.]xyz
- lso2[.]xyz
- xcfss2[.]xyz
- 666xs[.]xyz
- cs5s[.]xyz
- eix2[.]xyz
- smashedpickleball[.]com
- smashbrowser[.]com
- smashtymes[.]com
- smashingfirewall[.]com
- smashtrashtruck[.]com
- smashviber[.]com
- smash-guy[.]com
- smashheroes[.]net
- smashedtater[.]com
- smashbstudio[.]com
- smashacid[.]com
- smashopp[.]com
- smashingspin[.]com
- smashburgerhires[.]com
- smashbeautyhq[.]com
- smashupvip[.]com
- smashberri[.]com
- smashott[.]com
- smash2mining[.]com
- smashinginfo[.]com
- smash-hot[.]com
- smashmirth[.]com
- smashybutton[.]com
- smashpb[.]com
- smashflixtv[.]com
- smashdownburgers[.]com
- smashingsaturday[.]com
- smashstressdown[.]com
- smash-billing[.]com
- smashingsaturdays[.]com
- smashthemandates[.]com
- smashingjade[.]com



- smashedcreations[.]com
- smashingpresence[.]net
- smashingstory[.]com
- smashingplayer[.]vip
- smashprooftext[.]com
- smashedcrabs[.]com
- smashthroughaffiliatemarketingroadblocks[.]com
- smashallergyacademy[.]com
- smashinthebox[.]com
- smashyourmom[.]com
- smashingm[.]com
- smashberlin[.]com
- smashesgiveroses[.]com
- smashversus[.]com
- smashinlabs[.]com
- smashnourishment[.]com
- smashinmatchinfashion[.]com
- smashtrays[.]com
- jekoshop[.]com
- assaultsystems[.]de
- usocci[.]tk
- ndolulapimen[.]tk
- aapu[.]xyz
- bneet[.]net
- raustin[.]com
- chumbru[.]ga
- uress[.]xyz
- coolframes[.]ca
- coolframes[.]com

Sample Properties Flagged as Malicious During the Malware Check Dated 31 October 2022

- australiablob[.]xyz
- chatwhatsaaptante[.]xyz
- dydx-exchangeel[.]xyz
- nbay[.]cc
- searchmine[.]net
- jambosearch[.]com
- searches[.]network
- searchdirectsearch[.]net
- searchtipsdiscover[.]com
- find-searchtips[.]net
- searchpersonalized-photo-cards[.]com