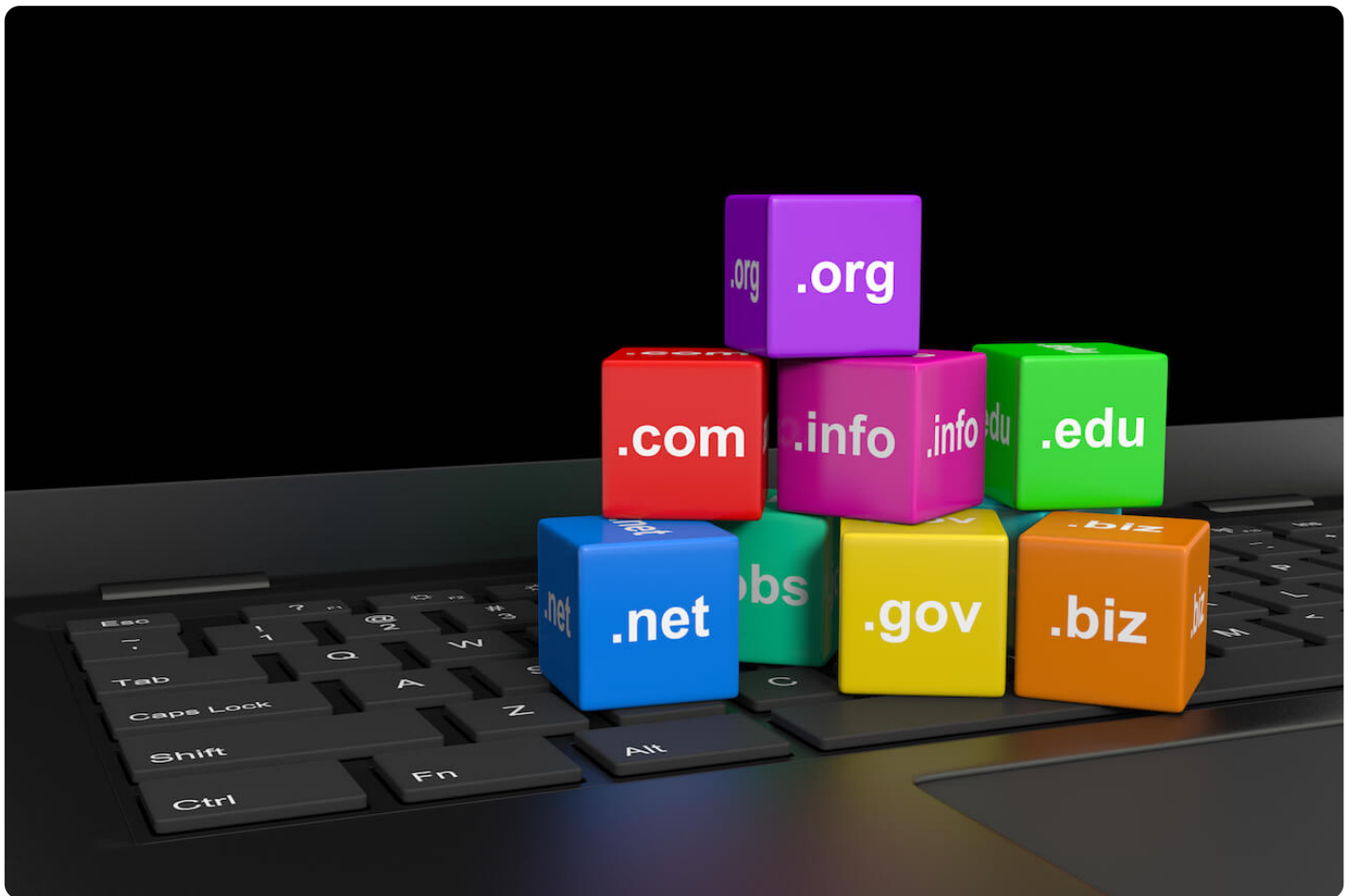


WhoisXML API's Newly Registered & Just Expired Domains Database 2.0: Getting Started

Posted on November 23, 2021



WhoisXML API's [Newly Registered & Just Expired Domains Database](#) service has a new and improved version called "NRD 2.0." Among other improvements, it offers better coverage and is easier to use than its predecessor. Learn more about NRD 2.0 in this guide.

What Are the Main New Features of NRD 2.0?

Depending on your chosen package, NRD 2.0 features the following changes compared to NRD 1.0:

- **More new domain event types:** Besides monitoring NRDs and just-expired domains, NRD 2.0 also tracks newly updated domains or those whose WHOIS records reflect recent changes and newly discovered domains or those that have been recently added to the DNS even if their registration dates are not recent.
- **Coverage of both gTLDs and ccTLDs:** While only domains sporting gTLDs were available in NRD 1.0, NRD 2.0 now covers ccTLDs to let users also keep track of country-specific domain names.
- **TLD stats files:** Each NRD 2.0 daily file containing raw domain records is accompanied by a summary stats file that specifies the number of records per TLD on that day.
- **Daily unified files covering all TLDs:** NRD 2.0 files are unified into a single daily file covering all TLDs rather than being made part of TLD-specific files.
- **Format alternatives:** NRD 2.0 daily files come in both JSON and CSV file formats.

Which NRD 2.0 Plans Are Available?

NRD 2.0 offers five types of subscription [plans](#)—Lite, Basic, Professional, Enterprise, and Ultimate (including Ultimate: Simple). Different plans have different data features, as detailed below.

Lite

Under the NRD 2.0 Lite package, users are informed about new domain registrations only. Below is an example of a Lite NRD file, which contains two columns. You can download a sample of this package [here](#).



	A	B
1	reason	domainName
2	added	buybiofit2021.com
3	added	sacredwater.org
4	added	alexandruby.com
5	added	fidosolutionsrefund.com
6	added	techteks.net
7	added	xn--tfrz49n.xn--ses554g
8	added	centerforembodiedlivinganddying.com
9	added	primezz.com
10	added	sily.us
11	added	warnermediafilms.us
12	added	therosecollection-co.com
13	added	tatiana-marie.com
14	added	zs7070.com
15	added	joyfuljoecoffeeco.com
16	added	mindfulconnectionsconsulting.com
17	added	dwbxxmunban.com
18	added	inversionessenero.com

Basic

Basic package users can see the newly registered and just-expired domains in a single file. The “reason” column can be filtered so they can see which domains were either dropped or added. You can download a sample of this package [here](#).

	A	B
1	reason	domainName
2	dropped	2020fhujl.work
3	dropped	2020fhscj.work
4	dropped	2020ilvqt.work
5	dropped	2020fybkg.work
6	dropped	ambrchocolatiers.com
7	dropped	2020epesx.work
8	dropped	askdranita.com
9	dropped	autodiscountquoe.com
10	dropped	yhd.shop
11	dropped	2020lhppf.work
12	dropped	t45724.com
13	added	buybiofit2021.com
14	dropped	2020ezraw.work
15	dropped	2020kbomt.work
16	dropped	evimceyiz.xyz
17	dropped	allexandermcqueen.com
18	dropped	cabbagepowresmi.xyz
19	dropped	2020bgynk.work
20	dropped	2020ieigb.work
21	dropped	2020dudya.work
22	added	sacredwater.org
23	added	alexandruby.com

1 reason domainName

Sort A to Z

Sort Z to A

Sort by Color

Clear Filter From "reason"

Filter by Color

Text Filters

Search

☒ (Select All)

☒ added

☒ dropped

Professional

Under the Professional package, users enjoy the benefits of the Basic plan, along with the complete WHOIS information of the newly added and just-expired domains. The files appear similar to those for the Basic plan but come with additional WHOIS data columns for each domain. Take a look at the [sample](#) of this package for more information.

Enterprise

The NRD 2.0 Enterprise package provides users access to all supported TLDs. While the Lite, Basic, and Professional packages only cover gTLD domains, the Enterprise package also covers ccTLD domains. Also included are newly updated domains or those whose WHOIS records were recently changed, along with those that were newly registered and just expired and their WHOIS record details. Take a look at this [sample](#) if you're interested in testing this database in your environment.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R		
reason	domain	registr	registr	whoisS	nameS	created	update	expires	created	update	expires	status	registry	whoisR	auditUj	contact	regist		
added	citisoilsf GoDaddy.		146	whois.goc NS63.DON		2021-11-0	2021-11-0	2022-11-0	2021-11-0	2021-11-0	2022-11-0	clientTran	Domain N	Domain N	2021-11-0	abuse@gc	Regist		
dropped	accenoph Dreamsc		1291	whois.syr NS								2021-09-0	2021-10-2	clientHolc	Domain N	Domain N	2021-11-0	DOMAINF Regist	
dropped	charlieam Dreamsc		1291	whois.syr NS								3	2021-11-0	2021-10-3	ok	Domain N	Domain N	2021-11-0	JESSICATC Regist
added	bleevintaj IONOS SE		83	whois.ion ns								16	2021-11-0	2022-11-0	clientTran	Domain N	Domain N	2021-11-0	dataprivac Regist
dropped	acts-of-kir Registr.c		9	whois.reg ns								1	2021-09-2	2022-09-1	clientTran	Domain N	For more	2021-09-3	abuse@web.cor
added	cpdiportal Network		2	whois.net NS								31	2021-11-0	2022-11-0	clientTran	Domain N	Domain N	2021-11-0	c759j6pg3 Regist
added	ciclespeur SHANGHA		1621	grs-whois JAC								33	2021-11-0	2022-11-0	clientTran	Domain N	Domain N	2021-11-0	domain@ Regist
added	crashincry GoDaddy.		146	whois.goc NS								9	2021-11-0	2022-10-3	clientTran	Domain N	Domain N	2021-11-0	abuse@gc Regist
added	bytevaper SNAPNAM		1280	whois.we jmc								2	2021-11-0	2022-11-0	ok	Domain N	Domain N	2021-11-0	uww2780j Regist
added	brown6d.i GoDaddy.		146	whois.goc NS								21	2021-11-0	2022-11-0	clientTran	Domain N	Domain N	2021-11-0	abuse@gc Regist
dropped	aurora-mc Porkbun L		1861	whois.por CU								16	2020-11-1	2021-09-1	ok	Domain N	Domain N	2021-07-3	abuse@px Regist
added	cdjsln.con REALTIME		839	whois.you jmc								30	2021-11-0	2022-11-0	ok	Domain N	Domain N	2021-11-0	rtr-securit Regist
added	businessri Global Do		3792	whois.gdr no								3	2021-11-0	2022-11-0	clientDele	Domain N	Domain N	2021-11-0	abuse@gc Regist
dropped	bonniesw GoDaddy.		146	whois.goc NS								51	2020-09-2	2021-09-2	clientDele	Domain N	Domain N	2021-06-2	abuse@gc Regist
added	bswjsy.co REALTIME		839	whois.you jmc								9	2021-11-0	2022-11-0	ok	Domain N	Domain N	2021-11-0	rtr-securit Regist
dropped	379130.co GoDaddy.		146	whois.goc NS								32	2020-06-0	2021-09-2	clientDele	Domain N	Domain N	2021-06-0	abuse@gc Regist
added	chassisbra GMO INTE		49	whois.dis ver								16	2021-11-0	2022-11-0	clientTran	Domain N	Domain N	2021-11-0	abuse@gr Regist
dropped	clearfield TUCOWS,		69	whois.tuc ns1.sedop		2004-10-5	2020-10-1	2021-10-5	2004-10-3	2020-10-1	2021-10-3	clientDele	Domain N	Domain N	2021-11-0	domainab	Regist		
added	caribou-ac OVH, SAS		433	whois.ovf dns16.ovh		2021-11-0	2021-11-0	2022-11-0	2021-11-0	2021-11-0	2022-11-0	clientDele	Domain N	Domain N	2021-11-0	4f8892ad-	Regist		

Ultimate

Ultimate package users enjoy all the data, TLD coverage, and features of the Enterprise package. On top of that, they can access newly discovered domains or those that have recently been added to the DNS even though their registration dates are not recent.

Users can filter the “reason” column to view only added, discovered, dropped, or updated domain names. You can also check out this [sample](#) to explore the data in your own environment.

	A	B	C	D	E	F	G	H	I	J	K
	reason	domain	registrant	registrant	whoisS	nameS	created	update	expires	created	update
2	added	citysoilsf	GoDaddy.	146	whois.goc	NS63.DON	2021-11-0	2021-11-0	2022-11-0	2021-11-0	2021-11-0
3	dropped	accentph	Dreamsca	1291	whois.syr	NS					2021-0
4	dropped	charlieant	Dreamsca	1291	whois.syr	NS					2021-1
5	added	bleevinta	IONIOS SE	83	whois.ion	ns1					2021-1
6	dropped	acts-of-ki	Register.c	9	whois.reg	NS					2021-0
7	added	cpdiporta	Networks	2	whois.net	NS					2021-1
8	added	ciclespeur	SHANGHA	1621	grs-whois	JAC					2021-1
9	added	crashincry	GoDaddy.	146	whois.goc	NS					2021-1
10	added	bytevaper	SNAPNAM	1280	whois.we	jm2					2021-1
11	added	brown6d.	GoDaddy.	146	whois.goc	NS					2021-1
12	dropped	aurora-mc	Porkbun L	1861	whois.por	CUL					2020-1
13	added	cdjsln.con	REALTIME	839	whois.you	im2					2021-1
14	added	businessr	Global Do	3792	whois.gdr	no					2021-1
15	dropped	bonniesw	GoDaddy.	146	whois.goc	NS					2020-0
16	added	bswjsy.co	REALTIME	839	whois.you	jm2					2021-1
17	dropped	379130.co	GoDaddy.	146	whois.goc	NS					2020-0
18	added	chassisbra	GMO INTE	49	whois.dis	ver					2021-1
19	dropped	clearfield	TUCOWS,	69	whois.tuc	ns1.se	2004-10-3	2020-10-1	2021-10-3	2004-10-3	2020-10-3
20	added	caribou-ac	OVH, SAS	433	whois.ovh	dns16.ovh	2021-11-0	2021-11-0	2022-11-0	2021-11-0	2021-11-0

Ultimate: Simple

Ultimate: Simple, which is part of the Ultimate package, contains the same data minus the raw text columns (e.g., **rawText**, **registryDataRawText**, **registrantContact.rawText**, **whoisRecordRawText**, etc.). This omission makes Ultimate:Simple daily files lighter and therefore faster to download and easier to integrate into existing systems since they require less data processing overall. You can check out this [sample for more information](#).

What Does the NRD 2.0 Stats File Contain?

As an added NRD 2.0 feature, we gave users the ability to see the number of domains included in raw daily files per TLD. Stats files are also available with all subscription plans and has two columns, namely:

- **“tld” column:** This column lists the TLDs arranged alphabetically.
- **“records” column:** This column contains the number of domains under a specific TLD on a particular date.

The image on the left shows the original arrangement of the TLDs. The one on the right, meanwhile, has been arranged according to number of records (from highest to lowest).

	A	B		A	B
1	tld	records		tld	records
2	abudhabi	1		com	261992
3	ac	9		net	23155
4	academy	75		org	21131
5	accountant	8		xyz	18038
6	actor	7		uk	16563
7	ad	2		work	14082
8	adult	1		buzz	10394
9	ae	8		info	10360
10	aero	5		online	10080
11	af	1		top	8668
12	africa	144		tk	7845
13	ag	1		de	6964
14	agency	131		vip	6033
15	ai	69		ga	5589
16	airforce	3		site	5524
17	al	17		shop	5267
18	alsace	9		cn	4470

What Common Use Cases Does NRD 2.0 Enable?

1. Brand Protection

Brand impersonators and trademark infringers can damage an organization's reputation in several ways, one has to do with domain name registration. They may use a brand name alongside other text strings and different TLDs in bad faith. Some of the illicit reasons for domain brand impersonation are:

- Selling counterfeit versions of your or your competitors' products
- Attracting traffic using your brand's reputation and popularity
- Sending spam or phishing messages using your brand name

NRD 2.0 helps organizations keep track of NRDs that use their brand names or their variations. In the sample NRD data feed below, for example, 20 domains contained the text string **dior**.

Find and Replace

Find

Replace

Find what:

dior

Options >>

Find All

Find Next

Close

Value

diorarmonie.com

amirdiordesigns.com

audioroid.com

diorverse.com

jondiorbeats.com

diorfamilyhomecare.com

egidioristorante.com

calasanzradiord.com

diorwalker-scott.com

studiorentaldenver.com

idiorati.com

20 cell(s) found

While the list could contain false positives, integrating it into your brand protection system can alert you to brand impersonators.

2. Threat Intelligence Enrichment

You can also use NRD 2.0 to check for NRDs that use the names of commonly impersonated brands, such as PayPal and Microsoft. Others may also use misspelled variations of these company names, such as “micosoft” and “paypai,” as shown in the screenshots below.

Find and Replace

Find

Replace

Find what: paypal

Value

paypalhelper.com
paypalsecured.com
paypalbonusetake.com
check-paypal.org
paypal-support-inc.com
onlinecasinopaypalde.com
hspaypal.com
paypal-singin.app
paypal-ticketid5749.com
paypal-ticketid5826.com
paypal-check.org

12 cell(s) found

Find and Replace

Find

Replace

Find what: microsoft

Value

adfs-microsoftonline.com
microsoftyourphone.com
microsoftsupport.work
lmicrosoftl.click
microsoftoffice.xyz
microsoftthovercraft.com
microsoftofficesupersecrets.net
qdmicrosoft.com
microsoftmobileapps.com

9 cell(s) found

Find and Replace

Find

Replace

Find what: micosoft

Value

ranchkingtexasonmicosoft.com

Find and Replace

Find

Replace

Find what: paypai

Value

paypalsecu.com

Detecting and blocking suspicious domains off the bat is one thing. You can also enrich your threat intelligence by investigating their ownership data. Our Professional, Enterprise, and Ultimate packages include the WHOIS records of all domains so you can deepen your threat investigations.

3. Competitor and Market Analysis

NRD 2.0 can also provide a glimpse of what's happening in the market and to your competitors. The database allows you to answer questions, such as:

- What new businesses recently joined the market?
- Are your competitors venturing into partnerships and similar opportunities?
- What businesses are operating in a particular location?
- How intense is the current market competition?

Below is a demonstration of how NRD 2.0 can offer certain details that can contribute to addressing the last question. A total of 297 NRDs contained the string ***insurance*** in the sample data feed. Analyzing word combinations and WHOIS records can give you insights into what's happening in the insurance industry.

Find and Replace

?

×

Find

Replace

Find what:

insurance

Options >>

Find All

Find Next

Close

Value

myinsurebridgeinsurance.com
denverautoinsuranceteam.com
dallasautoinsuranceteam.com
condoinsurancefitscore.com
brinsuranceadvisors.com
brownbarninsurance.com
everstautoinsurance.com
livingbenefitlifeinsurance4u.com
mpyetinsurance.com
sanantonioautoinsuranceteam.com
nvrautoinsuranceteam.com

297 cell(s) found

Conclusion

WhoisXML API's improved NRD database NRD 2.0 can be easily integrated into your existing

business systems, including threat intelligence platforms, brand protection tools, and market analysis solutions. [Contact us](#) for more information about our different subscription plans or if you have any questions.

You might be interested in...

- [Integrating a Newly Registered Domains Database into Enterprise Cybersecurity Strategies](#)
- [4 Practical Usages of a Newly Registered & Just Expired Domains Database](#)