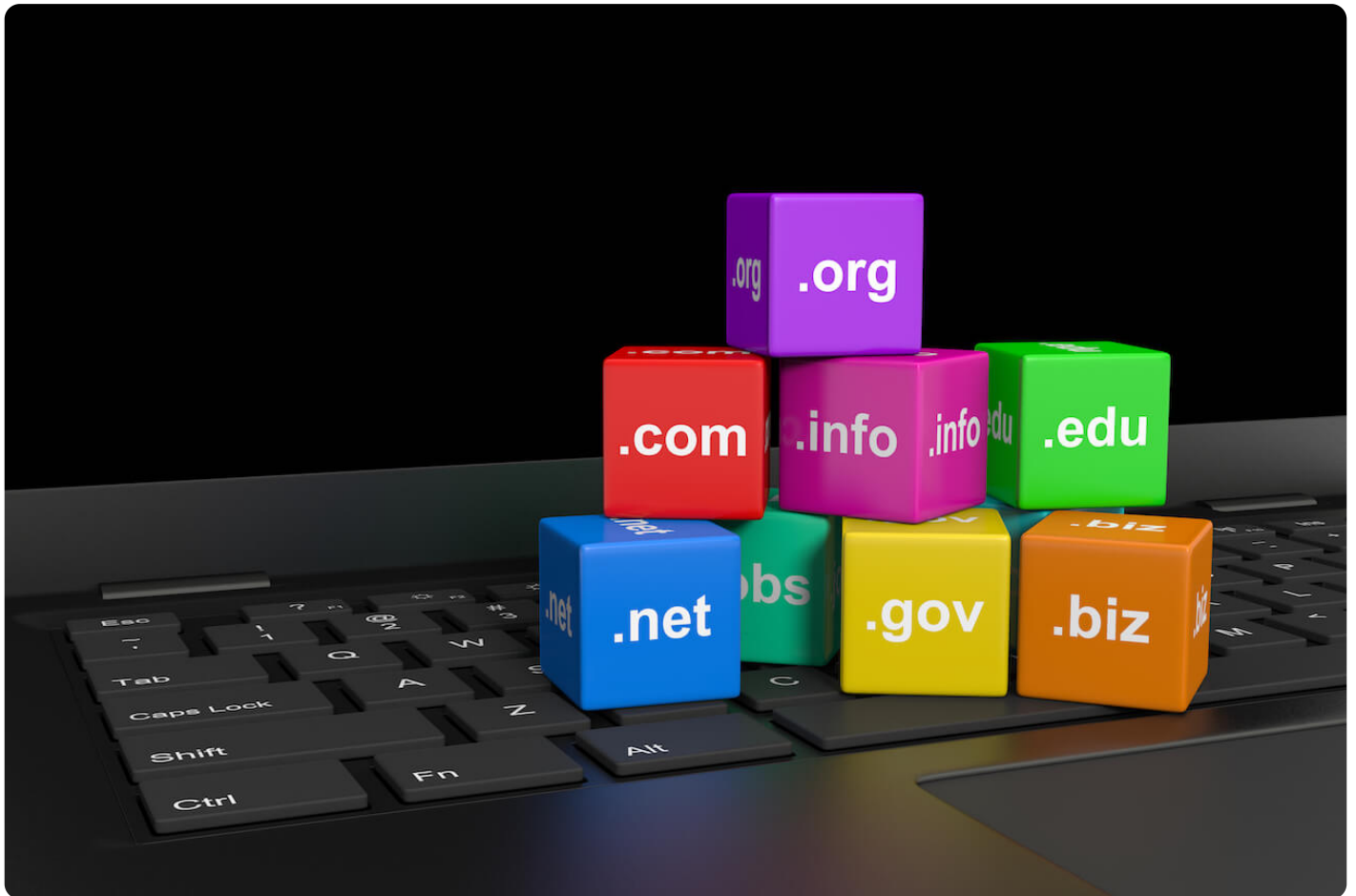# WhoisXML API's Newly Registered & Just Expired Domains Database 2.0: Getting Started

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 (domain names registered within the last 24 hours, plus domains created within the last 7 days) and just-expired domains (domains that expired within the last 24 hours, plus domains expired within the last 7 days), NRD 2.0 also tracks newly updated domains or those whose WHOIS records changed within the last 24 hours, plus those with WHOIS record changes within the last 7 days. NRD 2.0 also monitors newly discovered domains or those that have been previously unknown and created more than 7 days ago.

- **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.

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.

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.

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
1	tld	records
2	abudhabi	1
3	ac	9
4	academy	75
5	accountan	8
6	actor	7
7	ad	2
8	adult	1
9	ae	8
10	aero	5
11	af	1
12	africa	144
13	ag	1
14	agency	131
15	ai	69
16	airforce	3
17	al	17
18	alsace	9

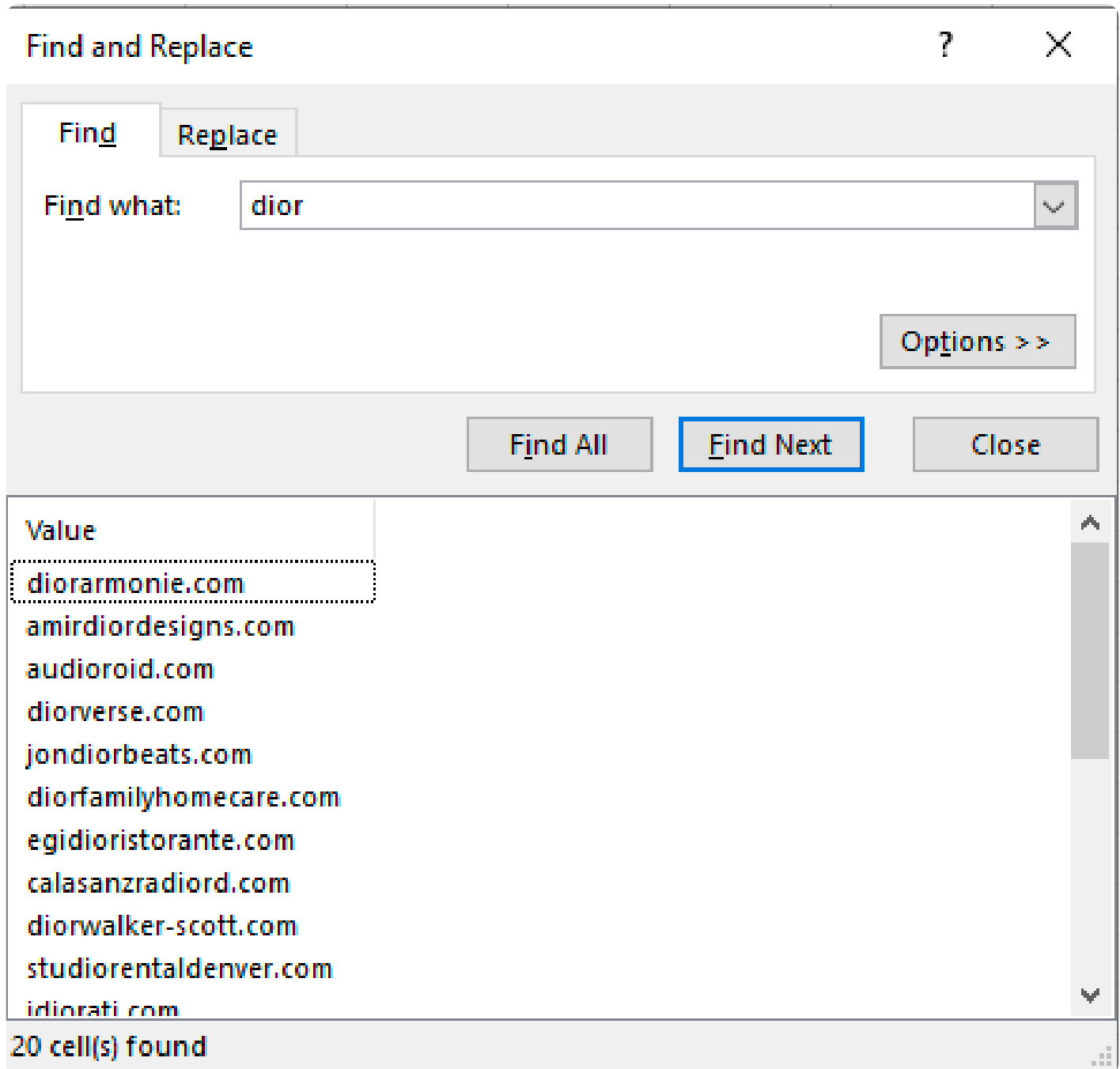| A	B
tld	records
com	261992
net	23155
org	21131
xyz	18038
uk	16563
work	14082
buzz	10394
info	10360
online	10080
top	8668
tk	7845
de	6964
vip	6033
ga	5589
site	5524
shop	5267
cn	4470

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.

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
nycautoinsuranceteam.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