

Quarterly Incremental WHOIS Data Manual

Whois API LLC
<https://www.whoisxmlapi.com>

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About this document

This document describes quarterly gTLD and ccTLD incremental WHOIS data which are available for download in advance, before a new quarterly release.

File URLs:

- <https://www.domainwhoisdatabase.com/docs/Quarterly-Incremental-WHOIS-Data-Manual>

File version 1.5

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A full list of available WhoisXML API data feed manuals is available at

<https://www.domainwhoisdatabase.com/docs>

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1 About incremental data

Incremental data are provided to enable a preliminary access to the contents of a future quarterly database release before the release is actually issued. Incremental data are available for both the gTLD and ccTLD databases; the present document describes both.

The data are generated typically once a week, at the end of the week, but the data generation has no strict schedule. The data contents, i.e. the TLDs for which data are published, and the subset of domains within them is determined by the internal logics of the data collection procedure, which is of stochastic nature. Hence, the service is provided as it is, there are no declarations about the schedule and completeness of them.

2 File formats, release versions

The data are provided in gzip-compressed csv files. There are three types of csv files: “simple”, “regular”, and “full”. Please consult the “Quarterly gTLD WHOIS Database Reference Manual” at

https://www.domainwhoisdatabase.com/docs/Quarterly_gTLD_WHOIS_Database_Reference_Manual

and the “Quarterly ccTLD WHOIS Database Reference Manual” at

https://www.domainwhoisdatabase.com/docs/Quarterly_CCTLD_WHOIS_Database_Reference_Manual

for their detailed description. Quarterly releases are identified by a “release version”, e.g. “v39”, this is also explained in detail in the cited manual.

3 Data types and locations

Incremental data are located under the following directory:

gTLDs:

https://www.domainwhoisdatabase.com/whois_database/incremental_files

ccTLDs:

https://www.domainwhoisdatabase.com/domain_list_quarterly/incremental_files

3.1 The “all_files” subdirectory

Each gzipped csv file contains data for a given top-level domain (TLD). The data are provided here for those top-level domains which are supported by the service of WhoisXML API, Inc. The data for bigger TLDs is split into multiple files, each containing up to 100,000 records and identified by an ordinal number.

The files are named as

`$version_csv_$.csvtype_$.tld_$.csv.gz`

where `$version` is the release version, `$.tld` is the TLD, and `$.csvtype` is the type of the file, one of “simple”, “regular”, or “full”, while `$.n` is the ordinal number of the file belonging to this TLD. e.g.:

`v19_csv_full_aero_1.csv.gz`.

Each file is accompanied with an `.md5` and `.sha256` checksum file in support of download verification.

3.2 The “status” subdirectory

The `status` subdirectory is to be found in the `all_files` subdirectory and contains files providing information on the available data files. These are named according to the release version they belong to, e.g. `vXX_exported_files`, e.g. `v39_exported_files` belongs to the release version `v39`. The file without a version number, `'exported_files'` is identical to the most recent one. Older files are removed.

The `exported_files` files are log files containing metadata for all quarterly releases from release version `v14` on, till the actual one which is in preparation. The format of the lines of the file is

```
FILENAME BYTES DATE_CREATED TIME_CREATED
```

with the following elements:

`FILENAME` : The name of the file the record refers to, in the format described previously, e.g.

```
v39_csv_simple_app_6.csv.gz
```

is the 6th collection of up to 50,000 csvs for the TLD `.app`, in the csv format “simple”, in release “v39”.

`BYTES` The size of the file in bytes.

`DATE_CREATED` The date when the creation of the file was accomplished, in the format of `MM-DD-YYYY`.

`TIME_CREATED` The time in the 24 hour format when the creation of the file was accomplished, in the format of `HH:MM:SS`.

Example of a full line of the file:

```
v39_csv_simple_app_6.csv.gz 6171653 2022-04-05 08:45:41
```

Filename: `v39_csv_simple_app_6.csv.gz`

File size: `6171653`

File created date: `2022-04-05`

File created time: `08:45:41`

Important: If there is no file creation date and time for a particular `.gz` file in the `exported_files` log, the file creation date and time can be read from the file date of the respective `.md5` or `.sha256`.

3.3 Update notification RSS

An RSS feed is available in the data directory root which emits notifications whenever a bunch of newly uploaded data files is available. The RSS URLs are:

gTLDs:

```
https://www.domainwhoisdatabase.com/whois.database/incremental.files/rss/update.notifications.rss.xml
```

ccTLDs:

```
https://www.domainwhoisdatabase.com/domain.list.quarterly/incremental.files/rss/update.notifications.rss.xml
```

The RSS feeds can be accessed with any RSS client (e.g. QuiteRss) using the same login credentials as for the data themselves. The RSS messages can also be used to trigger automated downloading and processing of the data, see e.g. this technical blog for a similar case study.