

The Derivatives Service Bureau (DSB)

End of Day File Download

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Preface

Change History

Date	Change	Version	Author	Revision Details
19 October 2017	Creation	1.0	DSB	
22 November 2017	Update	1.1	DSB	Added information related to proxy and firewall settings
25 July 2019	Update	1.2	DSB	Updated File Download path format
19 November 2019	Update	1.3	DSB	<p>Added information for instances in which a file will not be available and maintenance hours details in line with the 2020 amended operating hours in section 2</p> <p>Appended --auth-no-challenge in all the wget commands for the test cases in section 3.2</p> <p>Removed test case 4 pertaining to the wget command to download all the Rates records for all the days of the year as it is quite rigorous to the system</p> <p>Introduced 4 different wget commands for test case 3 pertaining to downloading Rates records for a specific month to cover all possible number of days</p>
1 August 2020	Update	1.4		Added information in section 3 to let the users know that the response record structure can also be found in the REST API document section 3.7

1 End of Day File Download Definition

The DSB End of Day (EoD) File Download contains a list of all OTC ISINs updated on the previous business day. The EoD files are made available via the links below shortly after 00:00 UTC daily.

For UAT <https://uat.anna-dsb.com/file-download/isin/yyyy>

For PRODUCTION <https://prod.anna-dsb.com/file-download/isin/yyyy>

Note that yyyy refers to the current year e.g. 2019

Each calendar day a new folder is created in the format yyyyymmdd and the ISIN files are written to that folder e.g.: <https://<env>.anna-dsb.com/file-download/isin/yyyy/yyyyymmdd>

Any DSB ISINs created or updated from the previous day are recorded in this location and segregated by asset class.

Each file contains OTC ISIN records separated by newline ('\n') that were either allocated or modified on the yyyyymmdd date. Each record is a valid JSON instrument record.

Any network firewall/proxy configuration changes to enable connectivity to the above DSB Service stack should be made via the DNS hostnames indicated above as the IP addresses of these sites are dynamic.

2 Support and Availability

No files will be generated if there are no DSB ISIN transactions (create, update, expire) on that specific day (e.g. New Year's Day public holiday). In the event that the DSB ISIN files are not available after 01:00 UTC, technical.support@ANNA-DSB.com will send an incident notification to users and follow up with timely updates thereafter. Please note that there is weekend maintenance as defined [here](#). Please adjust your operations specifically on Sunday according to the DSB's current maintenance hours.

The DSB recommends that users access and/or download the EoD files after 01:00 UTC to ensure that all updates to the ISIN Snapshot have completed.

Users should contact their internal first line of support for all issues relating to browser outages, firewall issues, proxy issues, local code issues and all related matters. Users' support teams may contact technical.support@ANNA-DSB.com for issues relating to file availability.

3 Automating the file download

3.1 Using ReST API

Power Users may use [ReST API](#) to automate access to the file download section by referring to Section 3.7 Download historical ISINs. Please note that the record structure expected on the response payload is explained in that section as well.

3.2 Using Wget

It is also possible to access the file download section using wget command line (see: <https://en.wikipedia.org/wiki/Wget>). Wget is just one of the ways to automate the file-download and is neither developed nor supported by the DSB.

Note: where <env> is either *prod* for **Production** or *uat* for **UAT**

To download all records of a single day [e.g.: 20190602] use:

```
wget --user '<USER-EMAIL>' --password <PASSWORD> --no-parent -A records -r https://<env>.anna-dsb.com/file-download/isin/2019/20190602/ --auth-no-challenge
```

To download Rates records of a single day [e.g.: 20190602] use:

```
wget --user '<USER-EMAIL>' --password <PASSWORD> --no-parent -A "Rates*.records" -r https://<env>.anna-dsb.com/file-download/isin/2019/20190602/Rates/ --auth-no-challenge
```

To download all Rates records for a specific month:

For months with 28 days (e.g. February 2018), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201802*.records" -r https://<env>.anna-dsb.com/file-download/isin/2018/201802{0{1..9},{1,2}{0..8},19}/Rates/ --auth-no-challenge
```

For months with 29 days (e.g. February 2019), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201902*.records" -r https://<env>.anna-dsb.com/file-download/isin/2019/201902{0{1..9},{1,2}{0..9}}/Rates/ --auth-no-challenge
```

For months with 30 days (e.g. June 2019), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201906*.records" -r https://<env>.anna-dsb.com/file-download/isin/2019/201906{0{1..9},{1,2}{0..9},30}/Rates/ --auth-no-challenge
```

For months with 31 days (e.g. July 2019), use:

```
wget --user <USER-EMAIL> --password <PASSWORD> --no-parent -A "Rates-201907*.records" -r  
https://<env>.anna-dsb.com/file-download/isin/2019/201907{0{1..9},{1,2}{0..9},3{0,1}}/Rates/ --auth-  
no-challenge
```

4 FAQ

4.1 Does the DSB make a single historical file available for download?

The DSB does not currently make a single file download file available for all ISINs in the system as the DSB expects the file size to quickly become unmanageable. Users are requested to download daily files in a manner that is consistent with the acceptable use terms.

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