ASTM SRA Java Extract Tool – Man Page

NAME

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ASTM SRA Java Extract Tool - extracts ASTM standard content and metadata from the ASTM SRA API.
```

SYNOPSIS

```
run
```

DESCRIPTION

ASTM SRA Java Extract Tool is a utility for extracting ASTM standard content and metadata from the ASTM SRA API.

Features

- Extracts ASTM standard metadata
- Extracts ASTM standard resource content
- Creates an NST_STANDARD.dat file containing extracted metadata values

OPTIONS

All utility options are set through a properties file.

PROPERTIES

The ASTM SRA Java Extract Tool requires a properties file to specify the search parameters which dictate which standards are extracted. See the sample properties file (resources/example-sra.properties) included in the package.

The below table describes the various property options:

Attribute	Use	Value	Default	Purpose
protocol	**Required**	String		The communication protocol used for the request.
host	**Required**	String		The host where the SRA application is running.
port	**Required**	Positive int		The port number that the SRA application is running on.
keyFolderPath	Optional*	File path		Path to the folder where the user key folder resides (will take precedence over the 'token' value if supplied).
outputFolder	**Required**	File path		Root path to place extracted metadata and content.
userName	**Required**	String		The SRA user name making the request.
token	Optional*	String		The SRA token (only used if the 'keyFolderPath' value is not supplied.
contentStartDate	Optional	String (yyyy-mm-dd)		The content start date search parameter. The default start date is the day after the second most recent deployment date. If no dates included, all four dates will be set to the default values as described.
contentEndDate	Optional	String (yyyy-mm-dd)		The content end date search parameter. The default end date is the day of the most recent

				deployment date. Will default to latest possible date if only the start date is provided. If provided, a start date must also be provided. If no dates included, all four dates will be set to the default values as described.
lastModifiedStartDate	Optional	String (yyyy-mm-dd)		The last modified start date search parameter. The default start date is the day after the second most recent deployment date. If no dates included, all four dates will be set to the default values as described.
lastModifiedEndDate	Optional	String (yyyy-mm-dd)		The last modified end date search parameter. The default end date is the day of the most recent deployment date. Will default to latest possible date if only the start date is provided. If provided, a start date must also be provided. If no dates included, all four dates will be set to the default values as described.
queryText	Optional	String		A general query text string parameter
pageNumber	Optional	Positive int	1	The page number of the search results to view.
pageLength	Optional	Positive int	100	The size of a result set page.
sortDirection	Optional	ascending | descending	ascending	The sort direction you wish to use.
sortField	Optional	contentDate | lastModifiedDate | uuid | designation | desigYear | standardType | classification | bosVolume | mainCommittee | subCommittee	lastModifiedDate	The query text to search for.
classification	Optional	Specification | Test | Method | Practice | Guide | Terminology | Classification		The classification value(s) to search for. Multiple classifications can be submitted as search parameters provided they are in a comma-separated list.
standardType	Optional	Active | Withdrawn | Historical | Replaced		The standardType value(s) to search for. Multiple standardTypes can be submitted as search parameters provided they are in a comma-separated list.
designation	Optional	String		The designation value(s) to search for. Multiple designations can be submitted as search parameters provided they are in a comma-separated list.
desigYear	Optional	String		The desigYear value(s) to search for. Multiple desigYears can be submitted as search parameters provided they are in a comma-separated list.
bosVolume	Optional	String		The bosVolume value(s) to search for. Multiple bosVolumes can be submitted as search parameters provided they are in a comma-separated list.

mainCommittee	Optional	String		The mainCommittee value(s) to search for. Multiple mainCommittees can be submitted as search parameters provided they are in a comma-separated list.
subCommittee	Optional	String		The subCommittee value(s) to search for. Multiple subCommittees can be submitted as search parameters provided they are in a comma-separated list.
testMode	Optional	String		An optional value that will allow the user to toggle the format of the root extract folder. By default, or when set to false, the root extract folder will have the format 'YYYYMMDD'. When set to true, the root extract folder will have the format 'MMDDYY'.

Prior to execution, the properties file (located at './resources/astm-sra.properties') should be updated with the protocol (required), host (required), port (required), output folder (required), user name (required), one of either keyFolderPath or token, and search criteria.

**The application will attempt to use the 'keyFolderPath' value. If the keys do not exist, then the application will attempt to use the 'token' property value to validate the user. If both are blank, an error will be encountered. If both have valid values, the 'keyFolderPath' will be used.*

NOTE: The public/private key sets used by the application should be stored in a folder titled with the user name. The folder that the user key folder resides is the value that should be put into the 'keyFolderPath' property if you wish to have the Java application build your tokens for you.

EXECUTION

Execute

`./run.sh | ./run.bat` (System dependent)

EXAMPLES

Sample Properties File

```
protocol=http
host=localhost
port=3000
keyFolderPath=C:/Users/Administrator/Downloads/astm-sra-java/keys
outputFolder=C:/Users/Administrator/Downloads/astm-sra-java
userName=sraPlusOnlyUser
token=
contentStartDate=
contentEndDate=
lastModifiedStartDate=
lastModifiedEndDate=
queryText=
pageNumber=1
pageLength=100
sortDirection=ascending
sortField=lastModifiedDate
classification=
standardType=
designation=
desigYear=
bosVolume=
mainCommittee=
subCommittee=
```

The above properties file will extract content falling within the default date range, starting with the first page of results (100 results per page), with the results sorted by the last modified date in ascending order.

Success

When the application runs successfully, a folder is written to the output folder specified in the properties file. Inside the output folder, you will find a folder with a formatted date name (yyyymmdd) – this is the root extract folder. Inside the root extract folder, you will find the following structure:

- Newstand_Database
    - NST_STANDARD.dat
- Newstand_PDFs
    - PDF files

Where 'NST_STANDARD.dat' is a file containing pipe-separated metadata values and the PDF files represent the appropriate PDF content for the standards found in the search.

Errors

The following lists the different errors that could be encountered when running the application:

- **400 – BadRequest Error**

  Something was wrong with the request made. The error message will contain information as to why the request was bad.

- **401 – Unauthorized Error**

  Something was wrong with the request made. The error message will contain information as to why the request was bad.

- **403 – Forbidden Error**

  Something was wrong with the request made. The error message will contain information as to why the request was bad.

- **404 – NotFound Error**

  Something was wrong with the request made. The error message will contain information as to why the request was bad.

- **503 – Service Unavailable Error**

  The SRA API is not available. Contact ASTM IT personnel if service is not restored.