Dremio Cloner is a python-based utility for Dremio Enterprise. It supports the following commands: get, put, cascade-acl, report-acl.

## Command "get"

Command "get" selectively saves definitions for objects such as Source, Space, Folder, PDS, VDS, ACLs, Reflections, Queues, Rules, Tags, Wikis, and Votes from a Dremio environment into a JSON file.

- "command":"get"
- "source": defines Dremio Environment with
  - o "endpoint"
  - o "username"
  - o "password"
  - o "verify ssl"
  - o "is community edition"
  - o "graph\_api\_support"
- "target": defines an output filename with
  - o "filename"
- "options":
  - o defines logging options with
    - "logging.level"
    - "logging.format"
    - "logging.filename"
    - "logging.verbose"
  - o miscellaneous options with
    - "max\_errors"
    - "http timeout"
  - defines scope of Space processing with
    - "space.filter"
    - "space.exclude.filter"
    - "space.folder.filter"
    - "space.folder.exclude.filter"
  - o defines scope of Source processing with
    - "source.filter"
    - "source.exclude.filter"
    - "source.folder.filter"
    - "source.folder.exclude.filter"

- defines scope of PDS processing with
  - "pds.filter"
  - "pds.exclude.filter
  - "pds.list.useapi"
- defines scope of VDS processing with
  - "vds.filter"
  - "vds.exclude.filter"
  - "vds.dependencies.process mode"

Please see a sample JSON configuration file in the Appendix 2.

## Command "put"

Command "put" selectively updates an existing Dremio Environment based on a JSON file previously generated by "get" command.

- "command":"put"
- "source": defines an output filename with
  - o "filename"
- "target": defines Dremio Environment with
  - o "endpoint"
  - o "username"
  - o "password"
  - o "verify ssl"
  - o "is community edition"
- "options":
  - o defines logging options with
    - "logging.level"
    - "logging.format"
    - "logging.filename
    - "logging.verbose"
  - o miscellaneous options with
    - "max\_errors"
    - "http timeout"
    - "source.retry timedout"
    - "dry run"
  - Defines scope of User processing with
    - "user.process mode"

- "space.ignore missing acl user"
- "space.ignore missing acl group"
- "folder.ignore\_missing\_acl\_user"
- "folder.ignore missing acl group"
- "source.ignore missing acl user"
- "source.ignore missing acl group"
- "pds.ignore missing acl user"
- "pds.ignore\_missing\_acl\_group"
- "vds.ignore missing acl user"
- "vds.ignore missing acl group"
- o defines scope of Space processing with
  - "space.process mode"
  - "space.filter"
  - "space.exclude.filter"
  - "folder.process mode"
  - "space.folder.filter"
  - "space.folder.exclude.filter"
- o defines scope of Source processing with
  - "source.process mode"
  - "source.filter"
  - "source.exclude.filter"
  - "source.folder.filter"
  - "source.folder.exclude.filter"
- defines scope of PDS processing with
  - "pds.process mode"
  - "pds.filter"
  - "pds.exclude.filter
  - "pds.list.useapi"
- o defines scope of VDS processing with
  - "vds.process mode"
  - "vds.filter"
  - "vds.exclude.filter"
  - "vds.\_max\_hierarchy\_depth"

Please see a sample JSON configuration file in the Appendix 3.

#### Command "cascade-acl"

Command "cascade-acl" selectively propagates ACLs in an object hierarchy.

- "command":"cascade-acl"
- "target": defines Dremio Environment with
  - o "endpoint"
  - o "username"
  - o "password"
  - "verify ssl"
- "options":
  - defines logging options with
    - "logging.level"
    - "logging.format"
    - "logging.filename
    - "logging.verbose"
  - o miscellaneous options with
    - "max errors"
    - "http timeout"
    - "source.retry\_timedout"
    - "dry\_run"
  - defines scope of Space processing with
    - "space.filter"
    - "space.exclude.filter"
    - "space.cascade-acl-origin.override-object"
    - "space.folder.filter"
    - "space.folder.exclude.filter"
    - "space.folder.cascade-acl-origin.filter"
  - defines scope of Source processing with
    - "source.filter"
    - "source.exclude.filter"
    - "source.cascade-acl-origin.override-object"
    - "source.folder.filter"
    - "source.folder.exclude.filter"
  - defines scope of PDS processing with
    - "pds.filter"
    - "pds.exclude.filter
    - "pds.list.useapi"
  - o defines scope of VDS processing with
    - "vds.filter"
    - "vds.exclude.filter"

Note, if none of *space.cascade-acl-origin.override-object*, *space.folder.cascade-acl-origin.filter*, *source.cascade-acl-origin.override-object* specified:

 each Space ACL will be propagated through its hierarchy and applied to Folders and VDSs as per filter configuration  each Source ACL will be propagated through its hierarchy and applied to PDSs as per filter configuration

Please see a sample JSON configuration file in the Appendix 4.

# Command "report-acl"

Command "report-acl" command produces a security report on all objects in a Dremio environment.

- "command":"report-acl"
- "source": defines Dremio Environment with
  - o "endpoint"
  - o "username"
  - o "password"
  - "verify\_ssl"
- "target": defines an output filename with
  - o "filename"
- "options":
  - defines logging options with
    - "logging.level"
    - "logging.format"
    - "logging.filename
    - "logging.verbose"
  - o miscellaneous options with
    - "max errors"
    - "http timeout"
    - "source.retry timedout"
  - defines scope of Space processing with
    - "report.csv.delimiter"
    - "report.csv.newline"
  - defines scope of Space processing with
    - "space.filter"
    - "space.exclude.filter"
    - "space.folder.filter"
    - "space.folder.exclude.filter"

- o defines scope of Source processing with
  - "source.filter"
  - "source.exclude.filter"
  - "source.folder.filter"
  - "source.folder.exclude.filter"
- $\circ\quad \text{defines scope of PDS processing with}$ 
  - "pds.filter"
  - "pds.exclude.filter
  - "pds.list.useapi"
- o defines scope of VDS processing with
  - "vds.filter"
  - "vds.exclude.filter"

Note, that this command does not provide any option for Scope definition. Please see a sample JSON configuration file in the Appendix 5.

# Appendix 1. Reference - Configuration Options

<b>Configuration Option</b>	Description	
target or source section, when Dre	mio Environment definition is required.	
endpoint	Defines Dremio API endpoint. For example,	
	http://localhost:9047/. Mandatory attribute.	
username	Dremio user name. Must be an Admin. Mandatory	
	attribute.	
password	Dremio user password. Optional field. If not provided, CLI	
•	will request password at runtime.	
verify_ssl	If set to False, Dremio Cloner will not validate SSL	
	certificate of the Dremio Environment. Default is True.	
is_community_edition	Set it to True if reading Dremio CE. Writing to Dremio CE	
	is not supported.	
graph_api_support	Dremio Graph API is only available in EE starting version	
	4.0.0. Default value is False.	
target or source section, when defined with a file name.		
filename	Defines a filename for input or output.	
logging options		
logging.level	Defines logging level: DEBUG, INFO, WARN, ERROR	
logging.format	Logging format. For example:	
	"%(levelname)s:%(asctime)s:%(message)s"	
logging.filename	Filename for logging. File will be appended if exists. If this	
	option is omitted, standard output will be used for	
	logging.	
logging.verbose	Default False. Produce verbose logging:	
	<ul> <li>Log entire entity definitions.</li> </ul>	
Miscellaneous options		
max_errors	Defines a number of errors at which processing will be	
	terminated.	
http_timeout	Timeout for each API call. This parameter might become	
	important in certain situations when Sources defined in	
	Dremio are not available.	
dry_run	Defines a Dremio Cloner execution that will not update a	
	target Dremio environment. In conjunction with	
	logging.level set to WARN allows to execute Dremio	
	Cloner without an impact on the target environment and	
	check the log file for all activities that would have been	
	submitted to the target Dremio Environment otherwise.	
	Respective log entries will include dry_run keyword.	
vdsmax_hierarchy_depth	Defines maximum level of VDS hierarchy supported by	
	Dremio Cloner. It's a guard rail with default value of 100.	
Scope of Dremio Space processing		

space.filter	A filter that defines what Spaces will be <b>included</b> into
	processing. "*" will include all Spaces. Empty field will
	exclude all Spaces. Star may be used multiple times in the filter to define a pattern. Works in logical AND with
	space.exclude.filter.
space.exclude.filter	A filter that defines what Spaces will be <b>excluded</b> into
	processing. "*" will exclude all Spaces. Empty field will
	include all Spaces. Star may be used multiple times in the
	filter to define a pattern. Works in logical AND with
	space.filter.
space.folder.filter	A filter that defines what Space Folders will be <b>included</b>
	into processing. "*" will include all Folders. Empty field
	will exclude all Folders. Star may be used multiple times
	in the filter to define a pattern. Works in logical AND with
space.folder.exclude.filter	space.folder.exclude.filter.  A filter that defines what Space Folders will be excluded
space.joider.exclude.jiiter	into processing. "*" will exclude all Folders. Empty field
	will include all Spaces. Star may be used multiple times in
	the filter to define a pattern. Works in logical AND with
	space.folder.filter.
Scope of Dremio Space processing	
0	
source.filter	A filter that defines what Sources will be included into
	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will
	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in
	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with
source.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.
	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be <b>excluded</b> into
source.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be <b>excluded</b> into processing. "*" will exclude all Spaces. Empty field will
source.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be <b>excluded</b> into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in
source.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be <b>excluded</b> into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with
source.filter source.exclude.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be <b>excluded</b> into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in
source.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be <b>excluded</b> into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.filter.  A filter that defines what Source Folders will be <b>included</b>
source.filter source.exclude.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be <b>excluded</b> into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.filter.
source.filter source.exclude.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be <b>excluded</b> into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.filter.  A filter that defines what Source Folders will be <b>included</b> into processing. "*" will include all Folders. Empty field
source.filter source.exclude.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with <i>source.exclude.filter</i> .  A filter that defines what Spaces will be <b>excluded</b> into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with <i>source.filter</i> .  A filter that defines what Source Folders will be <b>included</b> into processing. "*" will include all Folders. Empty field will exclude all Folders. Star may be used multiple times in the filter to define a pattern. Works in logical AND with <i>source.exclude.filter</i> .
source.filter source.exclude.filter	A filter that defines what Sources will be <b>included</b> into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be <b>excluded</b> into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.filter.  A filter that defines what Source Folders will be <b>included</b> into processing. "*" will include all Folders. Empty field will exclude all Folders. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Source Folders will be <b>excluded</b>
source.filter  source.exclude.filter  source.folder.filter	A filter that defines what Sources will be included into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be excluded into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.filter.  A filter that defines what Source Folders will be included into processing. "*" will include all Folders. Empty field will exclude all Folders. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Source Folders will be excluded into processing. "*" will exclude all Folders. Empty field
source.filter  source.exclude.filter  source.folder.filter	A filter that defines what Sources will be included into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be excluded into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.filter.  A filter that defines what Source Folders will be included into processing. "*" will include all Folders. Empty field will exclude all Folders. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Source Folders will be excluded into processing. "*" will exclude all Folders. Empty field will include all Spaces. Star may be used multiple times in
source.filter  source.exclude.filter  source.folder.filter	A filter that defines what Sources will be included into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be excluded into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.filter.  A filter that defines what Source Folders will be included into processing. "*" will include all Folders. Empty field will exclude all Folders. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Source Folders will be excluded into processing. "*" will exclude all Folders. Empty field will include all Spaces. Star may be used multiple times in the filter to define a pattern. Works in logical AND with
source.filter  source.exclude.filter  source.folder.filter	A filter that defines what Sources will be included into processing. "*" will include all Sources. Empty field will exclude all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Spaces will be excluded into processing. "*" will exclude all Spaces. Empty field will include all Sources. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.filter.  A filter that defines what Source Folders will be included into processing. "*" will include all Folders. Empty field will exclude all Folders. Star may be used multiple times in the filter to define a pattern. Works in logical AND with source.exclude.filter.  A filter that defines what Source Folders will be excluded into processing. "*" will exclude all Folders. Empty field will include all Spaces. Star may be used multiple times in

pds.filter	A filter that defines what PDSs will be <b>included</b> into processing. "*" will include all PDSs. Empty field will exclude all PDSs. Star may be used multiple times in the filter to define a pattern. Works in logical AND with pds.exclude.filter.
pds.exclude.filter	A filter that defines what PDSs will be <b>excluded</b> into processing. "*" will exclude all PDSs. Empty field will include all PDSs. Star may be used multiple times in the filter to define a pattern. Works in logical AND with <i>pds.filter</i> .
"pds.list.useapi"	Forces to use API for collecting list of PDSs if set to True.  Default value is False which means that INFOMRATION_SCHEMA will be utilized instead of API. False is a recommended value.
Scope of Dremio VDS processing	
vds.filter	A filter that defines what VDSs will be <b>included</b> into processing. "*" will include all VDSs. Empty field will exclude all VDSs. Star may be used multiple times in the filter to define a pattern. Works in logical AND with vds.exclude.filter.
vds.exclude.filter	A filter that defines what VDSs will be <b>excluded</b> into processing. "*" will exclude all VDSs. Empty field will include all VDSs. Star may be used multiple times in the filter to define a pattern. Works in logical AND with vds.filter.
Scope of user and group processing	g
user.process_mode	Determines if users will be created in the target Dremio Environment if they are referenced in the source JSON file but not in the target environment.  Applicable for "put" command only.  However, user creation is not possible with the current Dremio API. This parameter can only have a single value skip.
space.ignore_missing_acl_user	These configuration parameters define if Dremio Cloner
space.ignore_missing_acl_group	ignores a situation when a user or a group is defined in an
folder.ignore_missing_acl_user	ACL in the source JSON file but is not present in the target
folder.ignore_missing_acl_group	Dremio Environment. This situation is a potential security
source.ignore_missing_acl_user	risk as an ACL may be created with no limitations in the target environment when all referenced users and groups
source.ignore_missing_acl_group	cannot be found. Default value is False.
pds.ignore_missing_acl_user	carriot se round. Serdale value is ruise.
pds.ignore_missing_acl_group vds.ignore_missing_acl_user	
vds.ignore_missing_acl_user	
vus.ignore_missing_uci_group	

snace process made	Defines whether Dremio Cloner will
space.process_mode	
folder.process_mode	- insert new objects only or
source.process_mode	<ul> <li>update existing objects only or</li> </ul>
pds.process_mode	- do an upsert.
vds.process_mode	These parameters can be set to: skip, create_only, update_only, create_overwrite. skip will prevent any changes to the target Dremio Environment for the specified object type.
	Note, pds.process_mode can only take skip and promote.
	An example of usage would be the following settings: space.process_mode: skip folder.process_mode: skip
	vds.process_mode: create_overwrite
	This configuration will not update any Space or Folder.
	However, it will update VDSs as per VDS related filters.
vds.dependencies.process mode	Possible values: <i>ignore</i> , <i>get</i> . Default <i>ignore</i> . If set to <i>get</i> ,
vas.dependencies.process_mode	Dremio Cloner will collect information on all decencies
	throughout the object hierarchy (VDS and PDS) required
	for each VDS that satisfies VDS filter criteria.
Cascade-acl specific parameters	Tor each VBS that satisfies VBS litter effectia.
space.cascade-acl-	If specified, overrides default behavior for Space
origin.override-object	hierarchy and an ACL of the object specified in this
origin.override object	parameter will be used through all Spaces all hierarchies
	instead of the respective Spaces' ACLs.
source.cascade-acl-	If specified, overrides default behavior for Source
origin.override-object	hierarchy and an ACL of the object specified in this
origin.override object	parameter will be used through all Source all hierarchies
	instead of the respective Sources' ACLs.
space.folder.cascade-acl-	If specified, overrides default behavior for Space
origin.filter	hierarchy and an ACLs of the Folders selected by this will
	be used through <b>its Folder hierarchy</b> instead of the
	respective Source's ACL.
Report-acl specific parameters	respective source s Act.
report.csv.delimiter	A field delimiter used to generate a report.
report.csv.newline	A new line delimiter used to generate a report.  A new line delimiter used to generate a report.
report.csv.newine	A new line delimiter used to generate a report.

## Appendix 2. Sample GET command JSON configuration file

```
{"dremio cloner": [
   {"command":"get"},
{"source": [
       {"endpoint": "http://localhost:9047/"},
       {"username": "mikhail"},
{"password": ""},
{"verify_ssl": "False"}]
   },
{"target": [
       {"filename":"dremio backup.json"}]
   },
{"options": [
       {"logging.level":"logging.INFO"},
{"logging.format":"%(levelname)s:%(asctime)s:%(message)s"},
       {"logging.filename":""},
       {"max_errors": "9999"},
       {"http_timeout":"10"},
       {"space.filter": "*"},
       {"space.exclude.filter": ""},
       {"space.folder.filter":"*"},
       {"space.folder.exclude.filter":""},
       {"source.filter":"*"},
       {"source.exclude.filter":""},
       {"source.folder.filter":"*"},
       {"source.folder.exclude.filter":""},
       {"pds.filter":"*"},
       {"pds.exclude.filter":""},
       {"pds.list.useapi":"False"},
       {"vds.filter":"*"},
       {"vds.exclude.filter":""} ]
   }]
}
```

### Appendix 3. Sample PUT command JSON configuration file

```
{"dremio cloner": [
   {"command":"put"},
{"target": [
      {"endpoint": "http://localhost:9047/"},
      {"username": "mikhail"},
{"password": ""},
      {"verify ssl": "False"}]
  },
{"source": [
      {"filename":"dremio backup.json"}]
   {"options": [
      {"dry_run":"True"},
      {"logging.level":"logging.INFO"},
      {"logging.format":"%(levelname)s:%(asctime)s:%(message)s"},
      {"logging.filename":""},
      {"max errors":"9999"},
      {"http timeout":"10"},
      {"source.retry timedout":"false"},
      {"user.process_mode":"skip"},
      {"space.process_mode":"create_overwrite"},
      {"folder.process_mode":"create_overwrite"},
      {"source.process_mode":"create_overwrite"},
      {"pds.process_mode":"promote"},
      {"vds.process mode": "create overwrite"},
      {"space.ignore missing acl user":"True"},
      {"space.ignore_missing_acl_group":"True"},
      {"folder.ignore_missing_acl_user":"True"},
      {"folder.ignore_missing_acl_group":"True"},
      {"source.ignore_missing_acl_user":"True"},
      {"source.ignore_missing_acl_group":"True"},
      {"pds.ignore_missing_acl_user":"True"},
      {"pds.ignore_missing_acl_group":"True"},
      {"vds.ignore_missing_acl_user":"True"},
      {"vds.ignore_missing_acl_group":"True"},
      {"space.filter": "*"},
      {"space.exclude.filter": ""},
      {"space.folder.filter":"*"},
      {"space.folder.exclude.filter":""},
      {"source.filter":"*"},
      {"source.exclude.filter":""},
      {"source.folder.filter":"*"},
      {"source.folder.exclude.filter":""},
      {"pds.filter":"*"},
      {"pds.exclude.filter":""},
      {"pds.list.useapi":"False"},
      {"vds.filter":"*"},
      {"vds.exclude.filter":""},
      {"vds._max_hierarchy_depth":"100"}]
```

### Appendix 4. Sample CASCADE-ACL command JSON configuration file

```
{"dremio cloner": [
   {"command": "cascade-acl"}, {"target": [
      {"endpoint": "http://localhost:9047/"},
      {"username": "mikhail"},
{"password": ""},
{"verify_ssl": "False"}]
   },
{"options": [
      {"dry_run": "True"},
      {"logging.level": "logging.INFO"},
      {"logging.format": "%(levelname)s:%(asctime)s:%(message)s"},
      {"logging.filename": ""},
      {"max_errors": "9999"},
      {"http_timeout": "10"},
      {"space.filter": "*"},
      {"space.exclude.filter": ""},
      {"space.cascade-acl-origin.override-object": "TestSpace/TestVDS"},
      {"space.folder.filter": "*"},
      {"space.folder.exclude.filter": ""},
      {"space.folder.cascade-acl-origin.filter": "TestFolder"},
      {"source.filter": "*"},
      {"source.exclude.filter": ""},
      {"source.cascade-acl-origin.override-object": "TestSource/TestFolder/TestPDS"},
      {"source.folder.filter": "*"},
      {"source.folder.exclude.filter": ""},
      {"pds.list.useapi": "False"},
      {"pds.filter": "*"},
      {"pds.exclude.filter": ""},
      {"vds.filter": "*"},
      {"vds.exclude.filter": ""} |
   } ]
```

# Appendix 5. Sample REPORT-ACL command JSON configuration file