

# mdEditorFileInjector Readme

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**Purpose:** to perform bulk edits to mdEditor files by injecting, replacing, or deleting mdJSON content. mdEditor files are files exported from the mdEditor web application ([mdeditor.org](http://mdeditor.org)). More information on mdJSON can be found at <https://github.com/adiwg/mdJson-schemas>.

**System Requirements:** Python.exe (tested with Python 2.7)

**Setup:** Copy the file GNLCC\_mdEditorFileInject.py to a location where python.exe can access it, along with mdEditor files. Verify Python is installed.

## Arguments:

**-O**

*(Example -O 2)*

Sets the inject option.

## Projects/Products (Non-Contacts) Option Descriptions:

Option Default: Write if field does not exist OR exact same value of field does not exist

Option Default with Find File (-f) Specified: Overwrite the field value if exists (not append)

Option 4: Do nothing if anything exists in the JSON location (-D), else inject

Option 5: Delete JSON content specified in Find file (-f)

Option 6: Complex find and complex replace. Example: looking for "matching": false in the allocation section and replacing the value with the same value plus another administrator lcc object value.

Option 7: Finds the Sciencebase ID from metadata|resourceInfo|citation|identifier where the namespace is gov.sciencebase.catalog. Then a distributed links object is injected based on the found Sciencebase ID and some boiler plate content. The script is hardcoded to add the LLC Data Steward contact id edc6b779-3352-4a81-8430-76bcce1bfc3 (example: -C C:\Temp\Demo -T False -O 7)

## Contacts Option Descriptions:

Option Default: if contact ID exists, does not replace or add the contact.

Option 2: if contact ID exists, will replace. If does not exists, then will add.

Option 3: will utilize the find file (-f) and replace any field name (key name) found (not the value).

**Find (note missing “i”)**

```
0z6uPRU0b049VXDVT/PI3v6PqrrtSAKBxZbyZ IPTOB9AI  
eMPCxpgm19d3xSPch0ugSc/309FF8Sd2iAi/RvkhLCSEI  
Lafayette\\\\"administrativeArea\\":\\"LA\\",\\"p  
contacts\\":\\"data\\":[]],\\"organizations\\":\\"dat  
tTayYpD011d6F41C1xY111w20n1t770w00060dTR/cv
```

## Replace

```

[{"party": [{"contactId": "e7351a96-5922-47b",
vs.gov",
}, {"isOrganization": true,
"administrativeArea": "LA",
}, {"3dRTf1Z2ffL//zWSeVLRGK18rzdROQDswciGhmT7biDAaAw
6EPry5qMuORYOqT7U9bhtxaV61q7n1UxKPBXwO4VUspwQZD
3oC3CTod17HwnhBGNwCNhCHIFaGrv81FowiHkp9Z5aU88rYm

```

**-C**


















(Example -C C:\GNLCCmdEditorInject\Demo)

Folder/Directory path to the location of the mdEditor files (with .json extension). Do not include files that have the .json extension that should not be processed. An output folder/directory (mdEditorfiles #date/time#) will be created in this provided folder/directory path and all output files will be placed in this new folder/directory.

***-D***

(Example -D "metadata/resourceInfo/pointOfContact")

JSON location where to inject the mdJSON. mdEditor files contain one or many items and some of the items house mdJSON. JSON locations more than one level should be delimited (separated) by a “|” character. This argument is not needed for injecting contacts mdJSON. To determine the JSON location, use the JSON preview in the list view of the mdEditor web application ([mdeditor.org](https://mdeditor.org)).

b0ad2d97189ded	 Show	 Edit	 Delete	 Preview JSON	
0f1f5e1b68acf	 Show	 Edit	 Delete	 Preview JSON	
b0ad2d97189df6	 Show	 Edit	 Delete	 Preview JSON	
b0ad2d97189df6	 Show	 Edit	 Delete	 Preview JSON	

$$-F$$

(Example -F C:\GNLCCmdEditorInject\inject Contact SRLCC.txt)

Full file path of a text file containing mdJSON to inject. All valid mdJSON content that goes into a mdJSON array, corresponding with the JSON location (argument -D) or a contact identification number, is designed to work.

#### Tips for creating the mdJSON injector content file:

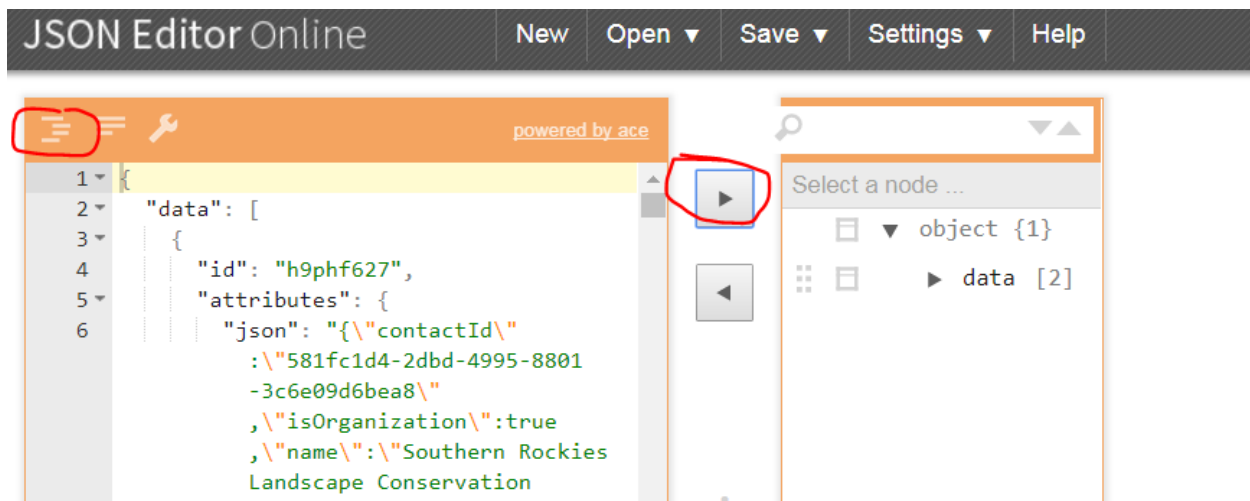
When creating the non-Contacts injector files, copy/paste content in the preview of the mdEditor web application ([mdeditor.org](http://mdeditor.org)) and remove extraneous “-” dashes that start some lines. When copying content, copy the content within the brackets but include the curly braces. Content within the brackets represent items within an array. Refrain from copying more than one item at a time. Arrays within an item are fine to include. See the attached injector files as examples for use or comparison.

b0ad2d97189ded	<a href="#">Show</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Preview JSON</a> <a href="#">!</a>
0f1f5e1b68acf	<a href="#">Show</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Preview JSON</a>
b0ad2d97189df6	<a href="#">Show</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Preview JSON</a>
h0f0f0c0d0d0f	<a href="#">Show</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Preview JSON</a>

```
- citation: {
  - date: [
    - {
      date: "2013-01-14T21:47:36+00:00",
      dateType: "creation"
    },
    - {
      date: "2017-07-05T17:50:43+00:00",
      dateType: "lastUpdate"
    }
  ],
  - responsibleParty: [
    - {
      - party: [
        - {
          contactId: "91c9fffc-52ca-4350-97d4-3332a30c87d5"
        },
        ],
      role: "administrator"
    },
    - {
      - party: [
        - {

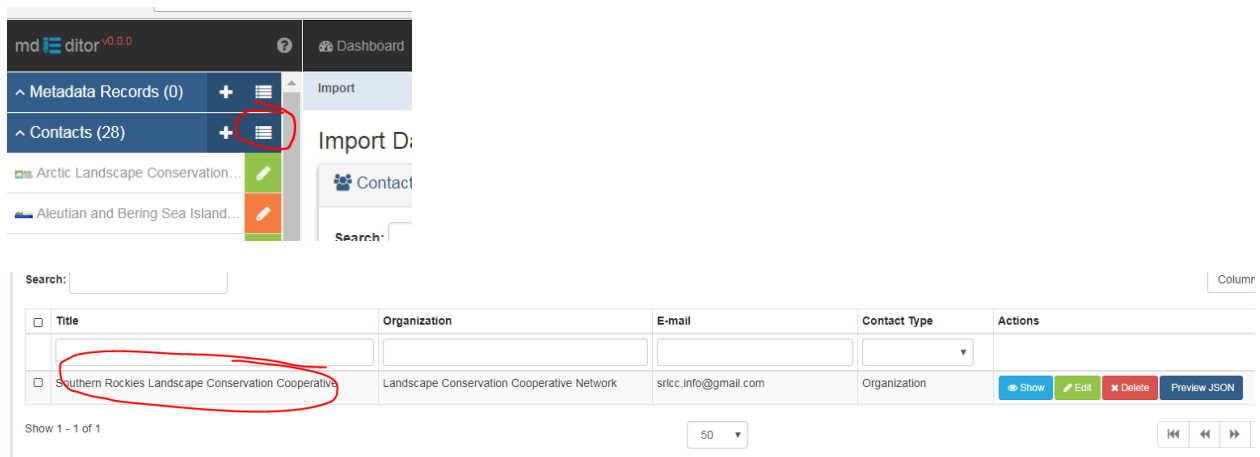
```

Basic JSON formatting can be verified with <http://jsoneditoronline.org/>. Click the format button and the right arrow button to verify and aid perusing of JSON.

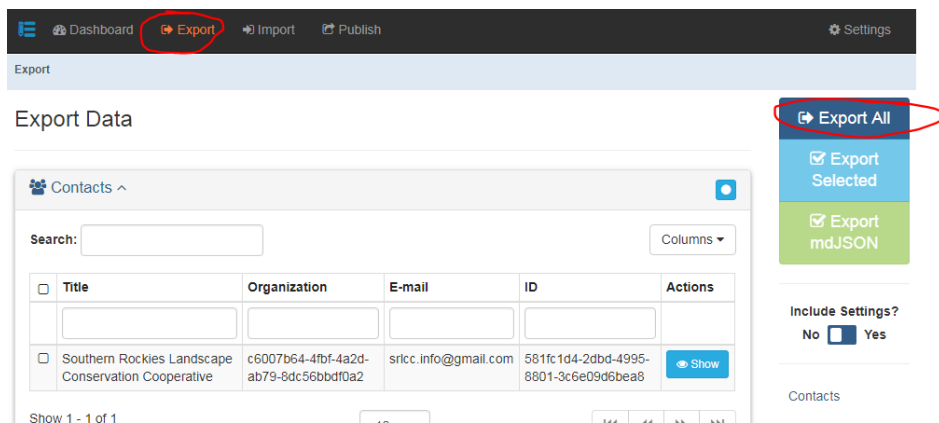


For creating the Contacts injector files, Contacts can be manually created using the mdEditor web application ([mdeditor.org](http://mdeditor.org)) or loading existing mdEditor files with contacts (i.e. the LCC contact seed file <https://drive.google.com/open?id=0B37ma8FpyQLpdkVGMVFKT285WkE>)

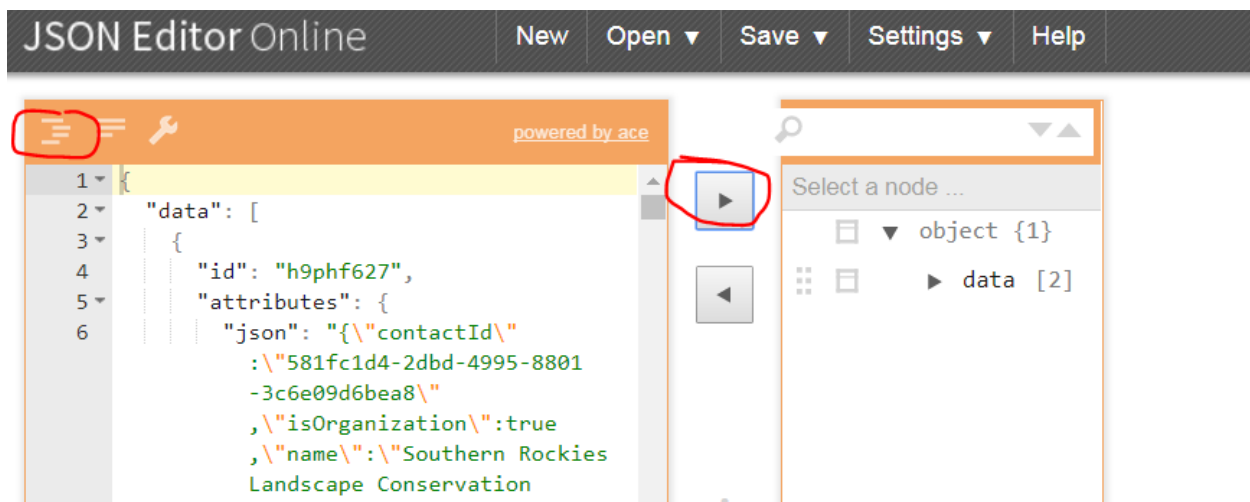
Refine the number of contacts by clicking the Contacts list view button → delete all contacts except the one you want to work with. Only include one contact per injector file.



Export to mdEditor file → open the exported file with a text editor or open with <http://jsoneditoronline.org/>

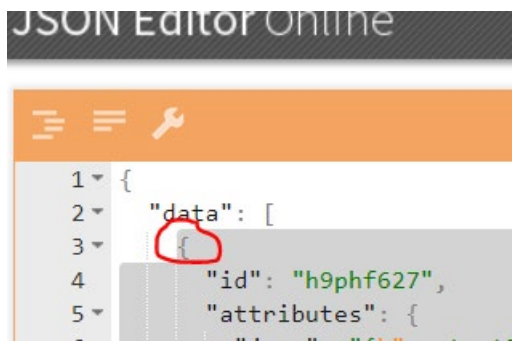


If not in <http://jsoneditoronline.org/>, copy/paste the mdEditor text into a fresh <http://jsoneditoronline.org/> session → click the Format JSON... button → click the right arrow



Copy the text from the curly brace under the data: key To the 2<sup>nd</sup> curly brace past “export: true” and paste into a new text file and save.

Note: MS Wordpad seems to hold indenting and breaklines better than MS Notepad



```

16  "meta": {
17      "title": "Southern Rock
18      "icon": "users",
19      "export": true
20  }
21  }

```

**-T**

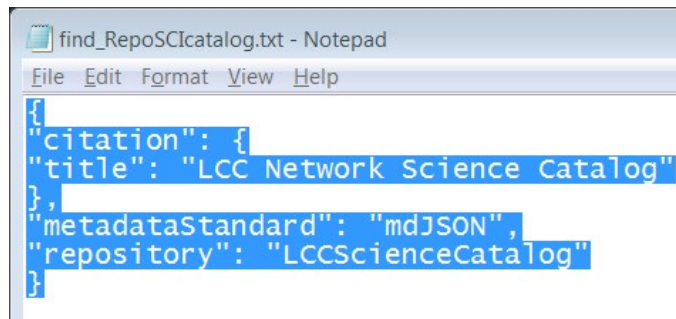
(Example -T True)

Indicates whether injecting contact mdJSON or not. If the argument is True, the script will treat as a contact. If the argument is False, the script will not treat as a contact.

**-f**

(Example -f C:\mdEditorFileInjectorWS\find\_RepoSClatalog.txt)

If updating a project or product (not contact) and using the default option, enter content to find for replacement. Content can be copied from the mdJSON preview button and removing “-” dashes.

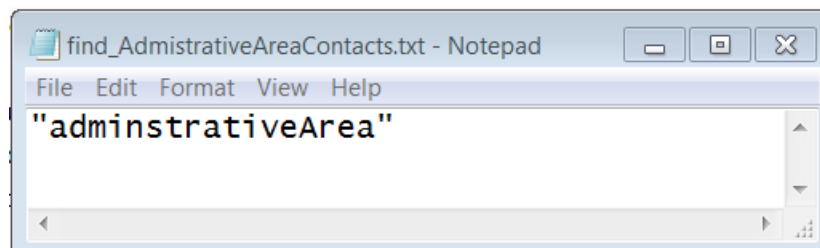


```

{
  "citation": {
    "title": "LCC Network Science Catalog"
  },
  "metadataStandard": "mdJSON",
  "repository": "LCCScienceCatalog"
}

```

If a contact and using Option 3. Enter the field name (key name) inside double quotes.

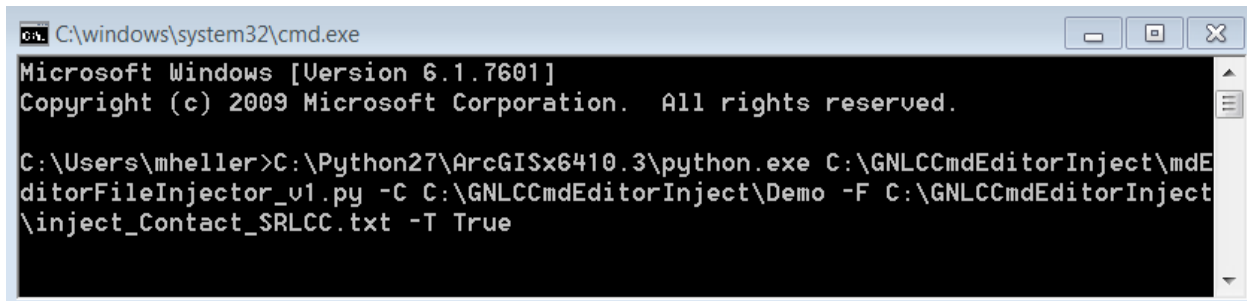


```

{
  "administrativeArea": {
    "title": "LCC Network Science Catalog"
  },
  "metadataStandard": "mdJSON",
  "repository": "LCCScienceCatalog"
}

```

**MS Dos Prompt Example Usage Screenshot**

A screenshot of a Windows command prompt window. The title bar shows the path 'C:\windows\system32\cmd.exe'. The window content displays the Microsoft Windows version 6.1.7601 copyright notice, followed by a command to run a Python script: 'C:\Users\mheller>C:\Python27\ArcGISx6410.3\python.exe C:\GNLCCmdEditorInject\mdEditorFileInjector\_v1.py -C C:\GNLCCmdEditorInject\Demo -F C:\GNLCCmdEditorInject\inject\_Contact\_SRLCC.txt -T True'.

```
C:\windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\mheller>C:\Python27\ArcGISx6410.3\python.exe C:\GNLCCmdEditorInject\mdEditorFileInjector_v1.py -C C:\GNLCCmdEditorInject\Demo -F C:\GNLCCmdEditorInject\inject_Contact_SRLCC.txt -T True
```

## Files:

args\_examples.txt: MS Dos prompt command line usage examples

find\_AdministrativeAreaContacts.txt: Find text file example to find incorrect spelling once entered for the AdministrativeArea area field of contacts.

find\_delete\_DeprecatedStatus.txt: Find text file example to locate a particular status and delete the value

find\_delete\_GCMD\_Landscape.txt: Find text file example to locate a particular keyword/thesaurus entry and delete the value

find\_FundingAdministrator.txt: Find text file example to locate a *"matching": false* value within a greater allocation object.

find\_RepoSCCatalog.txt: Find text file example to locate a repository entry

find\_Status.txt: Find text file example to locate a particular status

FindReplace\_Contact\_LCCNetworkDataSteward.txt: Text file example to find a contact based on contactId and replace with content in this text file

inject\_Contact\_LCCNetwork.txt: Contacts injector file example

inject\_Contact\_LCCNetworkDataSteward.txt: Contacts injector file example

inject\_Contact\_SRLCC.txt: Contacts injector file example

inject\_GCMD\_Landscape.txt: GCMD Keyword injector file example

inject\_FundingAdministrator.txt: funding administrator contact example for adding a contact id.

inject\_ISO\_Env.txt: Keyword inject sample text to add the ISO keyword "environment"

inject\_ISO\_EnvTest.txt: Test keyword inject sample text to add the ISO keyword "extraTerrestrial"

inject\_LCCMetadataContact.txt: Metadata contact element injector file example

inject\_LCCResponsibleParty.txt: Responsible party element injector file example

inject\_POC\_LCC.txt: Point of Contact injector file example

inject\_POC\_LCCDataSteward.txt: Point of Contact injector file example

inject\_RepoSCCatalog.txt: Repository injector file example

mdEditorFileInjector\_v1.py: Python script mdEditor inject script.

Readme\_with\_Screenshots\_v1.pdf: Help document with screenshot

replace\_AdministrativeAreaContacts.txt: Replacement inject field name text for contacts

replace\_RepoSCCatalog.txt: Replacement inject value for the repository field

replace\_Status.txt: Replacement inject value for the status field

### **Troubleshooting**

If appears that no updates happening, verify there are no subfolders in the file path given for the –C argument and try again. The script will look for files in subfolders and processing duplicate filenames may present version issues.