# Example Feature Investigate - Advanced Mapping

8:27 AM

Wednesday, 28 September 2022

# **Purpose**

I encountered a case where the ingestion process was generating clues with entity codes that I didn't want. Advanced Mapping has been suggested as a low code/no code solution.

## Journal

go to settings and enable



Administration / Settings

## **Advanced Mapping**



Enabled

add some data as a source for test mapping

https://www.briandunning.com/sample-data/ use au-500.csv

Australia - 500 Records

Free - <u>Download Now</u>

automap

#### **Choose Entity Type**

Select from the list or enter name to create new entity type.

Person

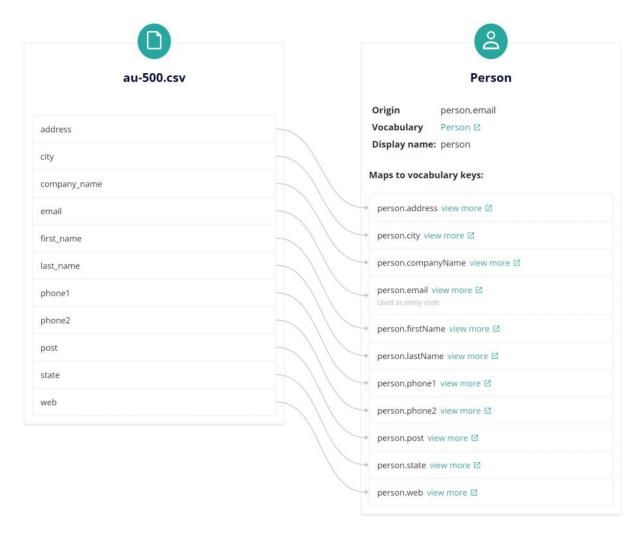
View more details on Person

## Choose vocabulary

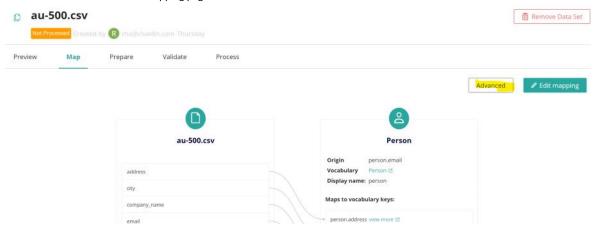
Select from the list or enter name to create new vocabulary.

Person

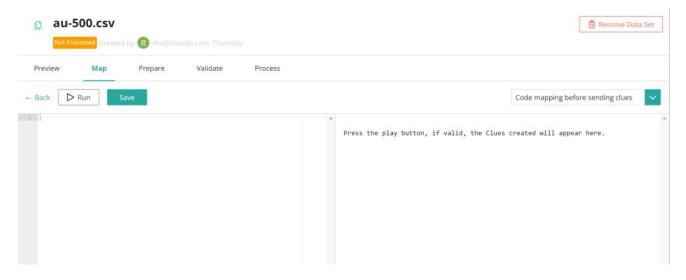
View more details on Person 🔼



observe the advanced button on the mapping page

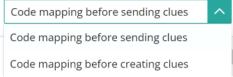


click it and it shows this interface



Code mapping before sending clues

here's the before sending or before creating choice - let's go with before sending



click run

```
▼ "root" : [ 10 items
   ▼0:{ 1 item
      ▼"clue": { 4 items
         "attribute-organization": "b81134e3-27d8-4bb5-8437-b5899588184f"
         "attribute-origin":
         "/Person#CluedInImporter(dataset-530F7F70-4D2B-4220-B300-
         B88AF69145A6):
         "attribute-appVersion": "1.0.0"
          ▼"clueDetails": { 1 item
              ▼ "data" : { 7 items
                "attribute-originProviderDefinitionId":
                "7A1ABE56-6645-4813-A34E-182C6BF9DED9"
                "attribute-origin":
                "/Person#CluedInImporter(dataset-530F7F70-4D2B-4220-B300-B88AF69145A6): com.au"
                 "attribute-appVersion": "1.0.0"
                "attribute-inputSource": "cluedin-annotation"
                 "createdDate": "2022-10-04T22:29:13.504Z"
                 "modifiedDate": "2022-10-04T22:29:13.504Z"
                 ▼"entityData": { 11 items
```

some doco

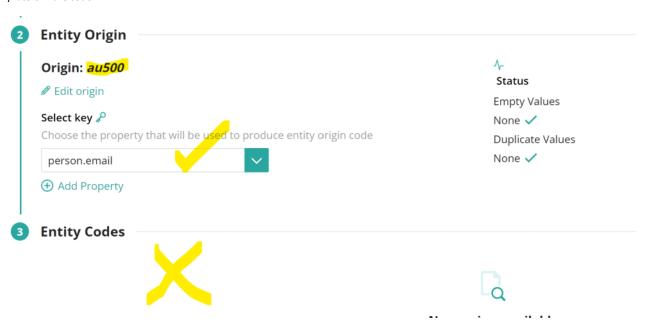
https://github.com/CluedIn-io/C.E.L

simple example

```
value.clue.clueDetails.data.entityData.description =
   value.clue.clueDetails.data.entityData.name + " is the best!";
[value]
```



let's remove all the entity codes and set the origin to something that is source centric - for us to modify laters in the code



# what does that yield?

```
"attribute-organization": "b81134e3-27d8-4bb5-8437-b5899588184f",
            "attribute-origin": "/Person#au500:rebbecca.didio@didio.com.au",
"attribute-appVersion": "1.0.0",
"attribute-appVersion": "1.0.0",
             clueDetails": {
                  "data": {
                       "attribute-originProviderDefinitionId": "7A1ABE56-6645-4813-A34E-182C6BF9DED9",
"attribute-origin": "/Person#au590:rebbecca.didio@didio.com.au",
"attribute-appVersion": "1.0.0",
"attribute-inputSource": "cluedin-annotation",
"createdDate": "2022-10-05T03:37:52.7902",
"modifiedDate": "2022-10-05T03:37:52.7902",
"entityData": {
                         "entityData": {
   "name": "Rebbecca",
                               "description": "Rebbecca is the best!",
"entityType": "/Person",
                              "attribute-origin": "/Person#au500:rebbecca.didio@didio.com.au", "attribute-appVersion": "1.0.0",
                               "attribute-source": "au500",
                             "codes": [
   "/Person#CluedIn(hash-sha1):99598bb2e945a77a6a98cba5525d0207a05c3af5"
],
                            "modifiedDate": "2022-10-05T03:37:52Z",
  "discoveryDate": "2022-10-05T03:37:52Z",
  "edges": {},
  "properties": {
    "attribute-type": "/Metadata/KeyValue",
    "property-person.address": "171 E 24th St",
    "property-person.city": "Leith",
    "property-person.companyName": "Brandt, Jonathan F Esq",
    "property-person.email": "rebbecca.didio@didio.com.au",
    "property-person.firstName": "Brandt, Jonathan F Esq",
    "property-person.lastName": "Brandt, Jonathan F Esq",
    "property-person.lastName": "Bidio",
    "property-person.lastName": "0idio",
    "property-person.phone2": "03-8174-9123",
    "property-person.phone2": "0458-665-290",
    "property-person.post": "7315",
    "property-person.state": "TAS",
    "property-person.web": "http://www.brandtjonathanfesq.com.au"
}
} }
   what will the resultant entity look like?
```

what entity codes will it have?

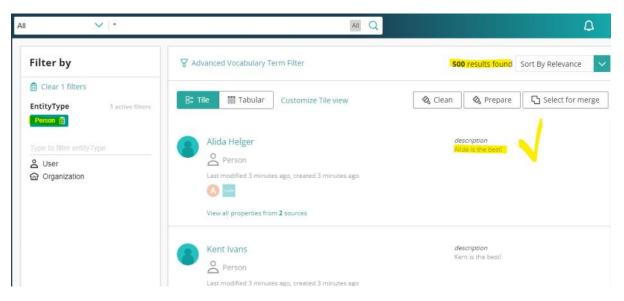
ingest data

500 clues will be created.

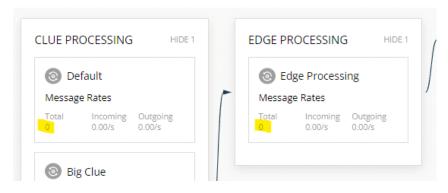


Success 500 🗸

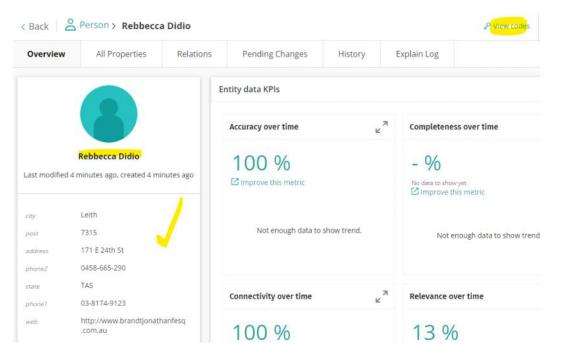
query in search - our custom description is present

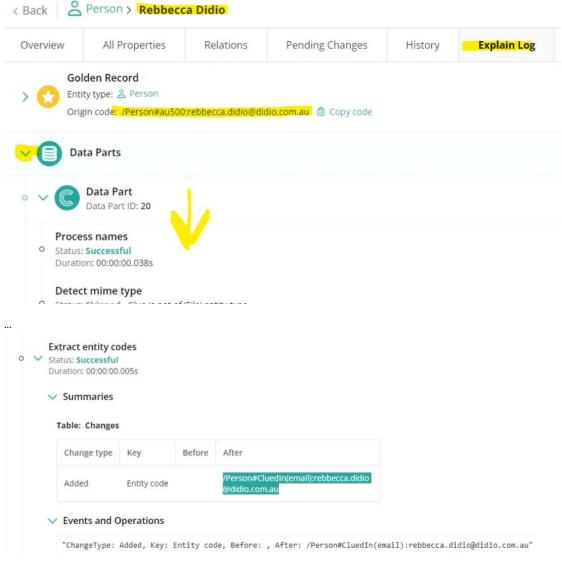


#### query in Engine Room -> Processing Pipeline



## inspect rebbecca entry





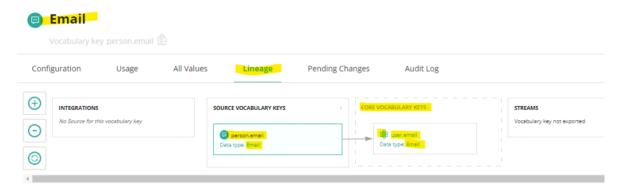
## this is the codes tab



## let's explore the CluedIn(email) code

it's generated in the processing phase by the "Extract entity codes" part

it is because person.email maps to user.email



let's update person.email to not map to user.email and reprocess our example entry to see what happens

#### Mmmm we cannot edit it

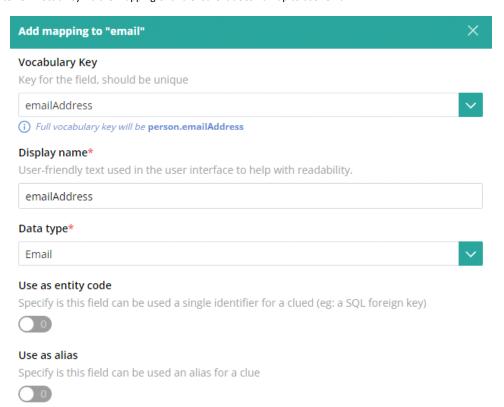
# Maps to 🔞

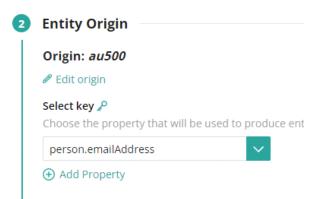
Choose a vocabulary key where the current vocabulary key should be mapped. Once mapped, the current vocabulary key's value will flow towards the selected vocabulary key. Once a value is defined, please visit the lineage tab to view the data flow.

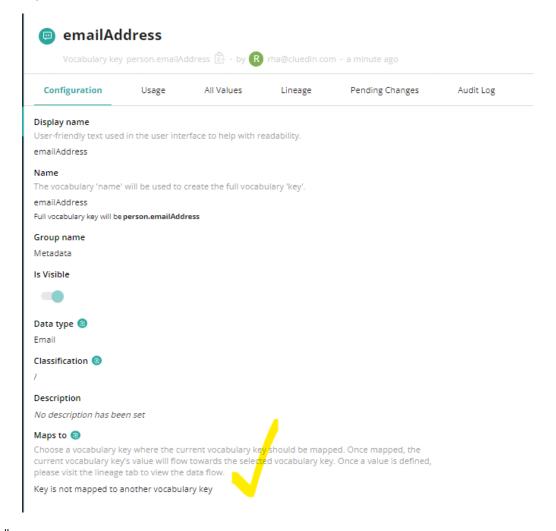


let's delete all and try again - nope can't edit

create new vocab key via the mapping UI and ensure it doesn't map to user.email

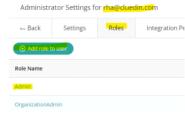






## delete all

#### add admin role to enable deletes



```
totalResults
                           }
                           response
                                        {
                                               "data": {
                                                     "search": {
                                                            "totalResults": <mark>500</mark>
                                                     }
             delete all /Person
                                       search(query: "entityType:/Person", pageSize: 500)
                                       {
                                             totalResults
                                                   entries {
                                                              actions {
                                                                           deleteEntity
                                       }
             re-run query until
                                 "data": {
                                       "search": {
                                              "totalResults": 0,
                                              "entries": []
                                }
update mapping via advance mapping to change the origin and entity codes accordingly
             first clue
                           {
    "attribute-organization": "b81134e3-27d8-4bb5-8437-b5899588184f",
    "attribute-organization": "b81134e3-27d8-4bb5-8437-b5899588184f",
                                "attribute-origin": "/Person#au50"
"attribute-appVersion": "1.0.0",
                                "clueDetails": {
    "data": {
                                        atata": {
    attribute-originProviderDefinitionId": "7A1ABE56-6645-4813-A34E-182C6BF9DED9",
    "attribute-origin": "/Person#au500:rebbecca.didio@didio.com.au",
    "attribute-appVersion": "1.0.0",
    "attribute-inputSource": "cluedin-annotation",
    "createdDate": "2022-10-05T05:50:07.631Z",
    "modifiedDate": "2022-10-05T05:50:07.631Z",
    "entityData": {
        "name": "Rebbecca",
        "decentation": "Perbhorca is the boot!"
                                             "name": "Rebbecca",
"description": "Rebbecca is the best!",
"entityType": "/Person",
"attribute-origin": "/Person#au500:rebbecca.didio@didio.com.au",
"attribute-appVersion": "1.0.0",
"attribute-source": "au500",
                                              "codes": [
"/Person#CluedIn(hash-sha1):1e85c79fd45ffa0aa3935290dd71ababc96d86f6"
                                            ],
"modifiedDate": "2022-10-05T05:50:07Z",
"discoveryDate": "2022-10-05T05:50:07Z",
.....". (1)
                                             "discoveryDate": "2022-10-05T05:50:07Z",

"edges": {},

"propertises": {
    "attribute-type": "/Metadata/KeyValue",
    "property-person.address": "T71 E 24th St",
    "property-person.city": "Leith",
    "property-person.city": "Leith",
    "property-person.emailAddress": "rebbecca.didio@didio.com.au",
    "property-person.firstName": "Rebbecca",
    "property-person.firstName": "Rebbecca",
    "property-person.pinotal": "03-8174-9123",
    "property-person.phone1": "0458-665-290",
    "property-person.post": "7315",
    "property-person.state": "TAS",
    "property-person.web": "http://www.brandtjonathanfesq.com.au"
}
                                       }
                         }
             try updating the origin entity code
                           // debug - test description is updated and therefore no errors in the below code
```

Examples Page 9

value.clue.clueDetails.data.entityData.description

```
value.clue.clueDetails.data.entityData.name + " is the best!";
                                 // get the current origin code and update it
originCode = value.clue["attribute-origin"];
originCode = originCode.replace("#au500:", "#email:");
                                 // replace origin code in all 3 places
                                 value.clue["attribute-origin"] = originCode;
value.clue.clueDetails.data["attribute-origin"] = originCode;
                                 value.clue.clueDetails.data.entityData["attribute-origin"] = originCode;
                                 [value]
                results
                                      "attribute-organization": "b81134e3-27d8-4bb5-8437-b5899588184f", "attribute-origin": "/Person#email:rebbecca.didio@didio.com.au", "attribute-appVersion": "1.0.0",
                                        "clueDetails": {
   "data": {
                                                 lata": {
    attribute-originProviderDefinitionId": "7A1ABE56-6645-4813-A34E-182C6BF9DED9",
    "attribute-origin": "/Person#email:rebbecca.didio@didio.com.au",
    "attribute-appVersion": "1.0.0",
    "attribute-inputSource": "cluedin-annotation",
    "createdDate": "2022-10-05T06:16:28.667Z",
    "modifiedDate": "2022-10-05T06:16:28.667Z",
                                                  "entityData": {
    "name": "Rebbecca"
                                                       name : Rebbecca ;
"description": "Rebbecca is the best!",
"entityType": "/Person",
"attribute-origin": "/Person#email:rebbecca.didio@didio.com.au",
"attribute-appVersion": "1.0.0",
"attribute-source": "au500",
"attribute-source": "au500",
                                                       "codes": [
    "/Person#CluedIn(hash-sha1):1e85c79fd45ffa0aa3935290dd71ababc96d86f6"
                                                       "attribute-type": "/Metadata/KeyValue",
"property-person.address": "171 E 24th St",
"property-person.city": "Leith",
"property-person.companyName": "Brandt, Jonathan F Esq",
"property-person.emailAddress": "rebbecca.didio@didio.com.au",
"property-person.firstName": "Rebbecca",
"property-person.lastName": "Didio",
"property-person.phone1": "03-8174-9123",
"property-person.phone2": "0458-665-290",
"property-person.post": "7315",
"property-person.state": "TAS",
"property-person.web": "http://www.brandtjonathanfesq.com.au"
                                                      }
                                               }
                                   }
                let's also get rid of the codes
                                 add this near the bottom
                                                  // remove all codes
                                                  value.clue.clueDetails.data.entityData.codes.length = 0;
                                 results
                                              {
  "name": "Rebbecca",
  "description": "Rebbecca is the best!",
  "entityType": "/Person",
  "attribute-origin": "/Person#email:rebbecca.didio@didio.com.au",
  "attribute-appVersion": "1.0.0",
  "attribute-source": "au500",
  "codes": [],
  "modifiedDate": "2022-10-05T06:18:57Z",
  " "2022-10-05T06:18:57Z",
                                                       "discoveryDate": "2022-10-05T06:18:57Z",
"edges": {},
"properties": {
    "attribute-type": "/Metadata/KeyValue",
    "property-person.address": "171 E 24th St",
    "property-person.city": "Leith",
    "property-person.companyName": "Brandt, Jonathan F Esq",
    "property-person.emailAddress": "rebbecca.didio@didio.com.au",
    "property-person.firstName": "Rebbecca",
    "property-person.lastName": "Didio",
    "property-person.phone1": "03-8174-9123",
    "property-person.phone2": "0458-665-290",
    "property-person.post": "7315",
    "property-person.state": "TAS",
    "property-person.web": "http://www.brandtjonathanfesq.com.au"
}
final code
                         debug - test description is updated and therefore no errors in the below code
                 value.clue.clueDetails.data.entityData.description =
   value.clue.clueDetails.data.entityData.name + " is the best!";
                 // get the current origin code and update it
originCode = value.clue["attribute-origin"];
```

```
originCode = originCode.replace("#au500:", "#email:");

// replace origin code in all 3 places
value.clue("attribute-origin") = originCode;
value.clue.clueDetails.data["attribute-origin"] = originCode;
value.clue.clueDetails.data.entityData["attribute-origin"] = originCode;

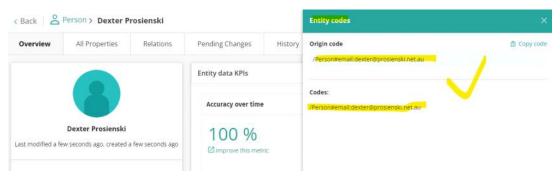
// remove all codes
value.clue.clueDetails.data.entityData.codes.length = 0;

[value]
```

let's ingest and check out



just the one code!!! success!



winner winner 🐔 dinner!