Advanced Mapping Example

Thursday, 27 October 2022   4:31 PM

Purpose

To demostrate an interest use case for using Advanced Mapping in CluedIn.

Journal

Ingest some sample data - my example looks like this

Selected: 5

≡ id

≡ employeeId

≡ givenName

≡ surname

≡ mail

I have purview synced vocabs in my cluedin to use for mapping.

Let's use Employee vocab and rename back anything that requires Person vocab

note to self "null" needs to be deleted

create entity types on the fly, increment the V1 as I try different things

⦿ Manual Mapping

Choose Entity Type

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

EmployeeV1

View more details on EmployeeV1 ⬏

Choose vocabulary

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

Purview Employee

View more details on Purview Employee ⬏

Add mapping to "id"

Vocabulary Key
Key for the field, should be unique

AADUserID

ⓘ *Full vocabulary key will be* **purview.employee.AADUserID**

Display name*
User-friendly text used in the user interface to help with readability.

AAD User ID

Data type*

Text

temp create keys that we will rename to Person

Add mapping to "givenName"

Vocabulary Key
Key for the field, should be unique

GivenNames

ⓘ *Full vocabulary key will be* **purview.employee.GivenNames**

Display name*
User-friendly text used in the user interface to help with re

Given Names

Data type*

Text

Add mapping to "surname"

Vocabulary Key
Key for the field, should be unique

FamilyName

ⓘ *Full vocabulary key will be* **purview.employee.FamilyName**

Display name*
User-friendly text used in the user interface to help with re

Family Name

Data type*

Text

work email address - to rename to Person

Work Email Address

Term | Template

↻ Refresh   + New child term

Overview   Related   Contacts

Formal name

Employee_Work Email Address

Definition

An email address identifies an email box to which messages are delivered. A w
address an employee is provided to be used for work related purposes only.

Acronym ⓘ

No acronym for this term

Catalog assets

No assets are associated with
"Work Email Address"

CluedIn ⓘ

Yes

Add mapping to "mail"

Vocabulary Key

Key for the field, should be unique

WorkEmailAddress

ⓘ Full vocabulary key will be **purview.employee.WorkEmailAddress**

Display name*

User-friendly text used in the user interface to help with readability.

Work Email Address

Data type*

Text

Original column	Maps to vocabulary key	
id	purview.Employee.AADUserID	⌄
employeeId	purview.Employee.EmployeeNumber	⌄
givenName	purview.Employee.GivenNames	⌄
surname	purview.Employee.FamilyName	⌄
mail	purview.Employee.WorkEmailAddress	⌄

(so the last 3 will be renamed to purview.Person.)

1 General details

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

`EmployeeV1` ▼

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

`Purview Employee` ▼

Entity name
Choose property to use as a name for the clue, it will be shown during search.

`purview.Employee.WorkEmailAddress` ▼

2 Entity Origin

Origin: *aad*

✎ Edit origin

Select key 🔑
Choose the property that will be used to produce entity origin code
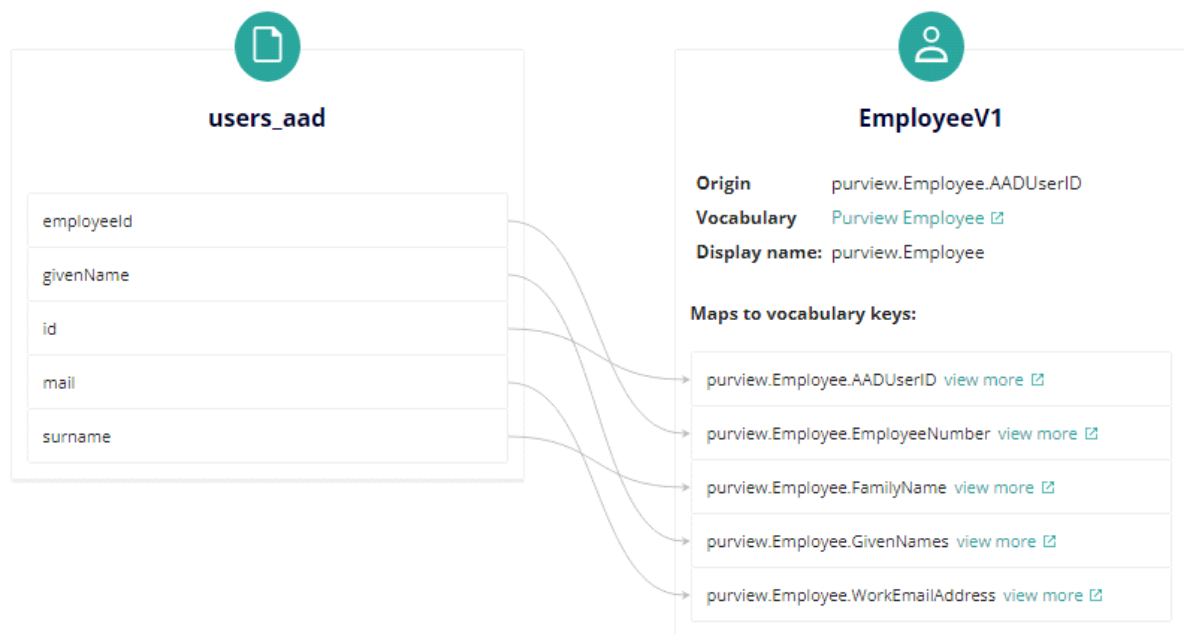
`purview.Employee.AADUserID` ▼

⊕ Add Property

Status

Empty Values
None ✓

Duplicate Values
2840 ⚠

CluedIn will merge clues based on matching origin entity codes. Prepare the data before submitting clues if this is not intended.

---

users_aad

| employeeId |
| givenName |
| id |
| mail |
| surname |

EmployeeV1

Origin: purview.Employee.AADUserID
Vocabulary: Purview Employee ↗
Display name: purview.Employee

Maps to vocabulary keys:

purview.Employee.AADUserID view more ↗
purview.Employee.EmployeeNumber view more ↗
purview.Employee.FamilyName view more ↗
purview.Employee.GivenNames view more ↗
purview.Employee.WorkEmailAddress view more ↗

---

enable advanced mapping

    admin -> setting

    enable advance mapping

    note: this is a browser side setting - once the js code is save it will be remembered and will run on the backend

after mapping

    click "advance button"

hit run - to generate the sample clues

first sample clue

```json
{
  "attribute-organization": "566a3446-a34e-4a70-ac66-14f88d24189e",
  "attribute-origin": "/EmployeeV1#aad:61b5b691-249d-452d-ae9d-207ebf35b31a",
  "attribute-appVersion": "1.0.0",
  "clueDetails": {
    "data": {
      "attribute-originProviderDefinitionId": "48365FE3-4078-4BD7-A8BE-75038DC451B1",
      "attribute-origin": "/EmployeeV1#aad:61b5b691-249d-452d-ae9d-207ebf35b31a",
      "attribute-appVersion": "1.0.0",
      "attribute-inputSource": "cluedin-annotation",
      "createdDate": "2022-10-27T07:25:43.242Z",
      "modifiedDate": "2022-10-27T07:25:43.242Z",
      "entityData": {
        "name": "<redacted>om.au",
        "description": "",
        "entityType": "/EmployeeV1",
        "attribute-origin": "/EmployeeV1#aad:61b5b691-249d-452d-ae9d-207ebf35b31a",
        "attribute-appVersion": "1.0.0",
        "attribute-source": "aad",
        "codes": [
          "/EmployeeV1#CluedIn(hash-sha1):82ef7338dbbe9886669e3f0fab58151e92036330"
        ],
        "modifiedDate": "2022-10-27T07:25:43Z",
        "discoveryDate": "2022-10-27T07:25:43Z",
        "edges": {},
        "properties": {
          "attribute-type": "/Metadata/KeyValue",
          "property-purview.Employee.EmployeeNumber": "8000395",
          "property-purview.Employee.GivenNames": "<redacted>",
          "property-purview.Employee.AADUserID": "61b5b691-249d-452d-ae9d-207ebf35b31a",
          "property-purview.Employee.WorkEmailAddress": "<redacted>com.au",
          "property-purview.Employee.FamilyName": "<redacted>"
        }
      }
    }
  }
}
```

let's
- "null" needs to be deleted
- codes need to be adjusted
- rename to Person
  - `property-purview.Employee.GivenNames`
  - `property-purview.Employee.WorkEmailAddress`
  - `property-purview.Employee.FamilyName`

Set mapping to

```
function rename_property(properties, prop1, prop2) {
    if (prop1 in properties) {
        properties[prop2] = properties[prop1];
        delete properties[prop1];
    }
}

entityData = value.clue.clueDetails.data.entityData;
properties = entityData.properties;

employeeno = "NULL";

// set all NULL properties to be deleted
properties = entityData.properties;
for (var key in properties) {
    if (key == "property-purview.Employee.EmployeeNumber") {
```

```
                employeeno = properties[key].toUpperCase();
        }
        if (properties[key].toUpperCase() == "NULL") {
            delete properties[key];
        }
}

entityData.codes.length = 0;

if (employeeno != "NULL") {
        entityData.codes.push("/EmployeeV1#employeeno:" + employeeno);
}


rename_property(properties, "property-purview.Employee.GivenNames", "property-purview.Person.GivenNames");
rename_property(properties, "property-purview.Employee.WorkEmailAddress", "property-purview.Person.WorkEmailAddress");
rename_property(properties, "property-purview.Employee.FamilyName", "property-purview.Person.FamilyName");

[value]
```

resultant first clue sample is

```
{
  "attribute-organization": "566a3446-a34e-4a70-ac66-14f88d24189e",
  "attribute-origin": "/EmployeeV1#aad:61b5b691-249d-452d-ae9d-207ebf35b31a",
  "attribute-appVersion": "1.0.0",
  "clueDetails": {
    "data": {
      "attribute-originProviderDefinitionId": "48365FE3-4078-4BD7-A8BE-75038DC451B1",
      "attribute-origin": "/EmployeeV1#aad:61b5b691-249d-452d-ae9d-207ebf35b31a",
      "attribute-appVersion": "1.0.0",
      "attribute-inputSource": "cluedin-annotation",
      "createdDate": "2022-10-27T07:32:36.088Z",
      "modifiedDate": "2022-10-27T07:32:36.088Z",
      "entityData": {
        "name": "<redacted>@sunwater.com.au",
        "description": "",
        "entityType": "/EmployeeV1",
        "attribute-origin": "/EmployeeV1#aad:61b5b691-249d-452d-ae9d-207ebf35b31a",
        "attribute-appVersion": "1.0.0",
        "attribute-source": "aad",
        "codes": [
          "/EmployeeV1#employeeno:8000395"
        ],
        "modifiedDate": "2022-10-27T07:32:36Z",
        "discoveryDate": "2022-10-27T07:32:36Z",
        "edges": {},
        "properties": {
          "attribute-type": "/Metadata/KeyValue",
          "property-purview.Employee.EmployeeNumber": "8000395",
          "property-purview.Employee.AADUserID": "61b5b691-249d-452d-ae9d-207ebf35b31a",
          "property-purview.Person.GivenNames": "<redacted>",
          "property-purview.Person.WorkEmailAddress": "<redacted>com.au",
          "property-purview.Person.FamilyName": "<redacted>"
        }
      }
    }
  }
}
```

let's process and watch it

Total	Stats
16048	Success 13508 ⟳ in progress

Total	Stats
16048	Success 16048 ✓

CLUE PROCESSING   HIDE 1

⊙ Default

Message Rates

Total   Incoming   Outgoing
15788   201.60/s   4.50/s

EDGE PROCESSING   HIDE 1

⊙ Edge Processing

Message Rates

Total   Incoming   Outgoing
24   3.87/s   3.87/s

CLUE PROCESSING
HIDE 1

Default

Message Rates

Total	Incoming	Outgoing
0	0.00/s	0.00/s

EDGE PROCESSING
HIDE 1

Edge Processing

Message Rates

Total	Incoming	Outgoing
0	0.00/s	0.00/s
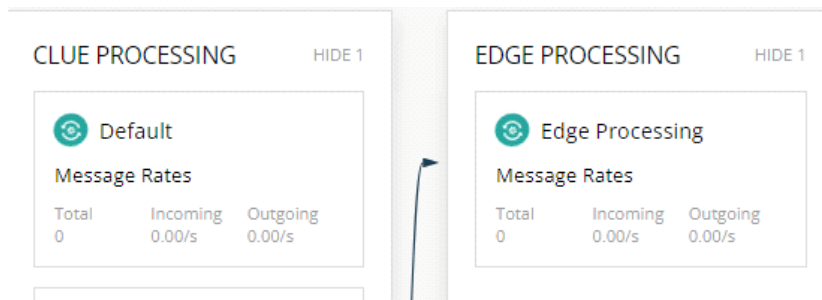
Overview · **All Properties** · Relations · Pending Changes · History · Explain

Search... 🔍 · Reset all filters · All Property Groups ▾ · All In

Property	Value	Source
AAD User ID ⬀ purview.Employee.AADUserID	062297a3-ac13-49cc-9a03-fcdf7bfe80f0	👁 Purview
Family Name ⬀ purview.Person.FamilyName	▨▨▨	👁 Purview
Given Names ⬀ purview.Person.GivenNames	▨▨▨	👁 Purview
Home Email Address ⬀ purview.Person.HomeEmailAddress	▨▨▨.m.au	👁 Purview
MyOshId ⬀ purview.Person.MyOshId	129	👁 Purview
purview.Person.WorkEmailAddress *Vocabulary key not found*	▨▨▨.m.au	No Source
Employee Number ⬀ user.employeeNumber	8000492	⚛ Core

Entity codes

Origin code

/EmployeeV1#myosh:129

Codes:

/EmployeeV1#aad:062297a3-ac13-49cc-9a03-fcdf7bfe80f0

/EmployeeV1#employeeno:8000492

/EmployeeV1#myosh:129

Overview	All Properties	Relations	Pending Changes	**History**

All versions

∨ **October 2022**

aad
Added, October 27, 2022 5:38 PM

aad
Changed, October 27, 2022 5:38 PM

myosh
Added, October 26, 2022 1:08 AM

| Overview	All Properties	Relations	Pending Changes	History	**Explain Log**

Golden Record
Entity type: 👤 EmployeeV1
Origin code: /EmployeeV1#myosh:129 📋 Copy code

Table: Merged data part properties

Property name	Property value	Data part ID
purview.Employee.AADUserID	062297a3-ac13-49cc-9a03-fcdf7bfe80f0	138
purview.Person.FamilyName	▬▬▬▬	138
purview.Person.GivenNames	▬▬▬▬ ▬▬▬▬	138
purview.Person.HomeEmailAddress	▬▬▬▬▬▬au	20
purview.Person.MyOshId	129 ▬▬▬▬	20
purview.Person.WorkEmailAddress	▬▬▬▬▬▬.au	138
user.employeeNumber	8000492	79