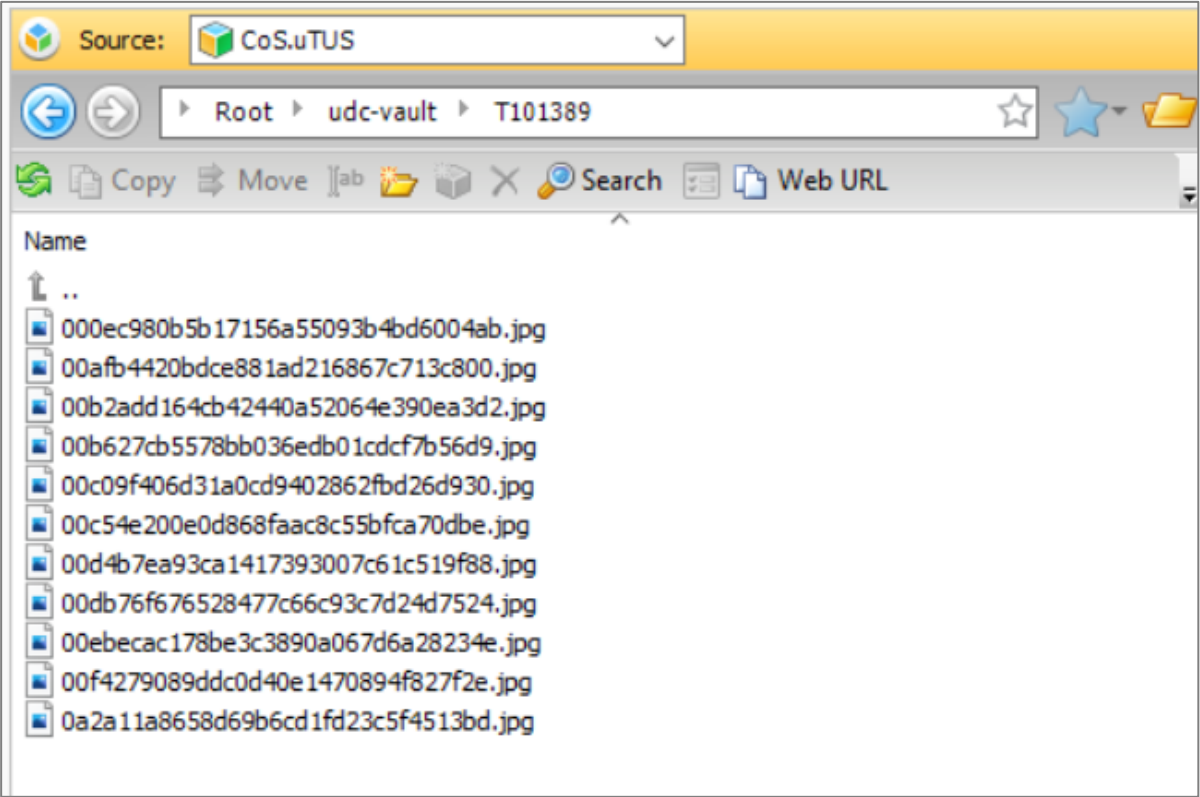


# **Demo: Unified Data Catalog for Military Aircraft**

## **Scenario 1: Index Dataset & Enrich Catalog with Metadata Import**

**Frank Lee**

<https://github.com/drfranknlee/demo-udc-aircraft>



Upload Manifest to Cloud Object Storage Bucket

1		u2-width	u2-height	u2-type	u2-xmin	u2-ymin	u2-xmax	u2-ymax
2	udc-vault/T101389/000ec980b5b17156a55093b4bd6004ab.jpg	1000	551	Be200	308	126	651	201
3	udc-vault/T101389/00afb4420bdce881ad216867c713c800.jpg	1200	800	Mig31	299	197	1102	569
4	udc-vault/T101389/00b2add164cb42440a52064e390ea3d2.jpg	1280	850	B1	322	112	893	618
5	udc-vault/T101389/00b627cb5578bb036edb01cdcf7b56d9.jpg	1300	867	F35	607	204	1202	529
6	udc-vault/T101389/00c09f406d31a0cd9402862fbd26d930.jpg	1800	1200	A10	32	60	1800	766
7	udc-vault/T101389/00c54e200e0d868faac8c55bfca70dbe.jpg	1200	1200	V22	647	521	973	768
8	udc-vault/T101389/00d4b7ea93ca1417393007c61c519f88.jpg	1200	675	A10	560	308	647	329
9	udc-vault/T101389/00db76f676528477c66c93c7d24d7524.jpg	1280	857	F117	176	263	1280	553
10	udc-vault/T101389/00ebecac178be3c3890a067d6a28234e.jpg	960	640	C5	58	133	889	397
11	udc-vault/T101389/00f4279089ddc0d40e1470894f827f2e.jpg	2048	1365	C5	875	398	1110	629
12	udc-vault/T101389/0a2a11a8658d69b6cd1fd23c5f4513bd.jpg	960	640	Tu160	1	155	903	506

# Query builder

Visual query   **SQL query**

Select \* from Spectrum Discover where...

filename LIKE ('%T101389%')

Group by

Choose groupings



Limit results

10000



Setting a lower limit may increase speed of results.

Sort by

e.g. owner asc


Set a sort order to choose which results are returned first.

Reset query

View results

[← Back to query builder](#)

## Query Results

Results view: 

## Individual

## Inspecting records

13

Grouped By

- ☐ Cluster
- ☐ Datasource
- ☐ Filegroup
- ☐ Filename
- ☐ Fileset

[Show more..](#)

Matched 13 records from metaocean view table in 0.088711 seconds

<input type="checkbox"/>	path	filename	u2 type	u2 width	u2 height	u2 xmin	u2 ymin	u2
<input type="checkbox"/>	udc-vault/	T101389/	NULL	NULL	NULL	NULL	NULL	
<input type="checkbox"/>	udc-vault/	T101389/000ec980b5b17156a55093b4bd6004ab.jpg	NULL	NULL	NULL	NULL	NULL	
<input type="checkbox"/>	udc-vault/	T101389/00afb4420bdce881ad216867c713c800.jpg	NULL	NULL	NULL	NULL	NULL	
<input type="checkbox"/>	udc-vault/	T101389/00b2add164cb42440a52064e390ea3d2.jpg	NULL	NULL	NULL	NULL	NULL	
<input type="checkbox"/>	udc-vault/	T101389/00b627cb5578bb036edb01cdcf7b56d9.jpg	NULL	NULL	NULL	NULL	NULL	
<input type="checkbox"/>	udc-vault/	T101389/00c09f406d31a0cd9402862fbd26d930.jpg	NULL	NULL	NULL	NULL	NULL	
<input type="checkbox"/>	udc-vault/	T101389/00c54e200e0d868faac8c55bfca70dbe.jpg	NULL	NULL	NULL	NULL	NULL	
<input type="checkbox"/>	udc-vault/	T101389/00d4b7ea93ca1417393007c61c519f88.jpg	NULL	NULL	NULL	NULL	NULL	
<input type="checkbox"/>	udc-vault/	T101389/00db76f676528477c66c93c7d24d7524.jpg	NULL	NULL	NULL	NULL	NULL	
<input type="checkbox"/>	udc-vault/	T101389/00db76f676528477c66c93c7d24d7524.jpg	NULL	NULL	NULL	NULL	NULL	

Create IMPORT\_TAGS Policy

```
[moadmin@discover1 ~]$ gettoken
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
   0      0     0     0         0             0      0      0  --:--:--  --:--:--  --:--:--    0
[moadmin@discover1 ~]$
[moadmin@discover1 ~]$ cd SD-scripts/
[moadmin@discover1 SD-scripts]$ curl -k -H "Authorization: Bearer ${TOKEN}" https://localhost/policyengine/
v1/policies/T101389_aircraft_import_pol -X POST -d @./T101389_aircraft_import.json -H "Content-Type: applic
ation/json"
Policy 'T101389_aircraft_import_pol' added[moadmin@discover1 SD-scripts]$
```

Tags Policies Policy history

## Tags

## Policies

## Policy history



Add Policy



Tag management

Tags

Policies

Policy history

Policy name	Type	Started	Ended	Status	Total records	Successful	Skipped	Failed
T101389_aircraft_import_pol	IMPORT_TAGS	9/20/2021, 9:18:41 PM	9/20/2021, 9:18:59 PM	✔ Complete	11	11	0	0
T101389_aircraft_import_pol	IMPORT_TAGS	9/20/2021, 9:16:06 PM	9/20/2021, 9:16:13 PM	✔ Complete	0	0	0	0
T101389_aircraft_import_pol	IMPORT_TAGS	9/20/2021, 9:08:05 PM	9/20/2021, 9:08:40 PM	✔ Complete	0	0	0	0
ap_cs_body	CONTENTSEARCH	9/17/2021, 2:51:17 PM	9/17/2021, 2:51:25 PM	✔ Complete	16	16	0	0
u3-iphone-gps	CONTENTSEARCH	9/17/2021, 12:35:43 AM	9/17/2021, 12:35:51 AM	✔ Complete	1	1	0	0
u3-extact-gps	CONTENTSEARCH	9/17/2021, 12:14:32 AM	9/17/2021, 12:14:42 AM	✔ Complete with failures	28	24	0	4
extract-gps	CONTENTSEARCH	9/17/2021, 12:08:45 AM	9/17/2021, 12:08:46 AM	✔ Complete	0	0	0	0
extract-gps	CONTENTSEARCH	9/17/2021, 12:06:27 AM	9/17/2021, 12:06:28 AM	✔ Complete	0	0	0	0
u3-gps	CONTENTSEARCH	9/16/2021, 11:58:39 PM	9/17/2021, 12:07:50 AM	■ Stopped	8258	5083	0	317
E1016270_aircraft_import_pol	IMPORT_TAGS	9/16/2021, 10:32:38 PM	9/16/2021, 10:32:56 PM	✔ Complete	11	11	0	0



# Query builder

Visual query   SQL query

Select \* from Spectrum Discover where...



filename LIKE ('%T101389%') AND filetype LIKE ('jpg')

Group by

Choose groupings



Limit results

10000



Setting a lower limit may increase speed of results.

Sort by

e.g. owner asc

Set a sort order to choose which results are returned first.

Reset query

View results

Query Results

Results view: ?

Condensed

Individual

Inspecting records  
11

Grouped By

☐ Cluster

☐ Datasource

☐ Filegroup

☐ Filename

☐ Fileset

Show more...

Matched 11 records from metaocean\_view table in 0.044637 seconds

☐

path

☐

filename

☐

u2 type

☐

u2 width

☐

u2 height

☐

u2 xmin

☐

u2 ymin

☐

u2

<input type="checkbox"/>	udc-vault/	T101389/00d4b7ea93ca1417393007c61c519f88.jpg	A10	1200	675	560	308	
<input type="checkbox"/>	udc-vault/	T101389/00c09f406d31a0cd9402862fbd26d930.jpg	A10	1800	1200	32	60	
<input type="checkbox"/>	udc-vault/	T101389/000ec980b5b17156a55093b4bd6004ab.jpg	Be200	1000	551	308	126	
<input type="checkbox"/>	udc-vault/	T101389/00db76f676528477c66c93c7d24d7524.jpg	F117	1280	857	176	263	
<input type="checkbox"/>	udc-vault/	T101389/00b627cb5578bb036edb01cdcf7b56d9.jpg	F35	1300	867	607	204	
<input type="checkbox"/>	udc-vault/	T101389/00afb4420bdce881ad216867c713c800.jpg	Mig31	1200	800	299	197	
<input type="checkbox"/>	udc-vault/	T101389/00f4279089ddc0d40e1470894f827f2e.jpg	C5	2048	1365	875	398	
<input type="checkbox"/>	udc-vault/	T101389/00ebecac178be3c3890a067d6a28234e.jpg	C5	960	640	58	133	
<input type="checkbox"/>	udc-vault/	T101389/00b2add164cb42440a52064e390ea3d2.jpg	B1	1280	850	322	112	
<input type="checkbox"/>	udc-	T101389/00000000000000000000000000000000.jpg						

Find the Newly Tagged Dataset: Method-2 using Visual Query

Query builder

Visual query

SQL query

Query preview...

Owner 0/20

Platform 0/3

Site 0/5

Sizerange 0/4

State 0/2

Td\_bh01\_tumor 0/10

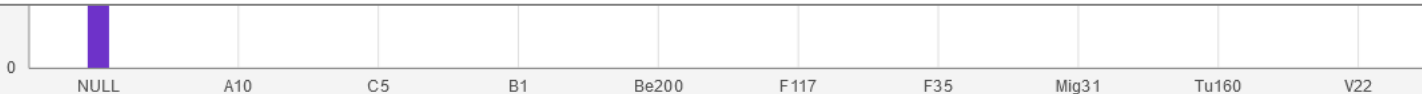
Temperature 0/1

Tier 0/2

Timesinceaccess 0/5

U2-type 0/10

Udc-dem2 0/3



■ null ■ A10 ■ C5 ■ B1 ■ Be200 ■ F117 ■ F35 ■ Mig31 ■ Tu160 ■ V22

3 items selected

Update query | Cancel

<input checked="" type="checkbox"/> u2-type	count
<input type="checkbox"/> NULL	21,968
<input checked="" type="checkbox"/> A10	2
<input type="checkbox"/> C5	2
<input type="checkbox"/> B1	1
<input type="checkbox"/> Be200	1
<input checked="" type="checkbox"/> F117	1
<input checked="" type="checkbox"/> F35	1
<input type="checkbox"/> Mig31	1
<input type="checkbox"/> Tu160	1
<input type="checkbox"/> V22	1

Items per page: 10 1-10 of 10 items

1 of 1 pages

Find the Newly Tagged Dataset: Method-2 using Visual Query Results

Query Results

Results view:

Condensed

Individual

Displaying records ⓘ

4

Condensed results

3

Grouped By

☒ U2-type

Show more

Grouped 4 results from mrcapacity table in 0.245198 seconds

☐ u2 type

Total Files

Total Size

☐ A10

2

1.89 MiB

☐ F117

1

25.35 KiB

☐ F35

1

121

Items per page: 10

1-3 of 3 items

1 of 1 pages

Next page

path	filename	u2 type	u2 width	u2 height	u2 xmin	u2 ymin	u2 xmax
udc-vault/	T101389/00d4b7ea93ca1417393007c61c519f88.jpg	A10	1200	675	560	308	647
udc-vault/	T101389/00c09f406d31a0cd9402862fbd26d930.jpg	A10	1800	1200	32	60	1800
udc-vault/	T101389/00db76f676528477c66c93c7d24d7524.jpg	F117	1280	857	176	263	1280
udc-vault/	T101389/00b627cb5578bb036edb01cdcf7b56d9.jpg	F35	1300	867	607	204	1202