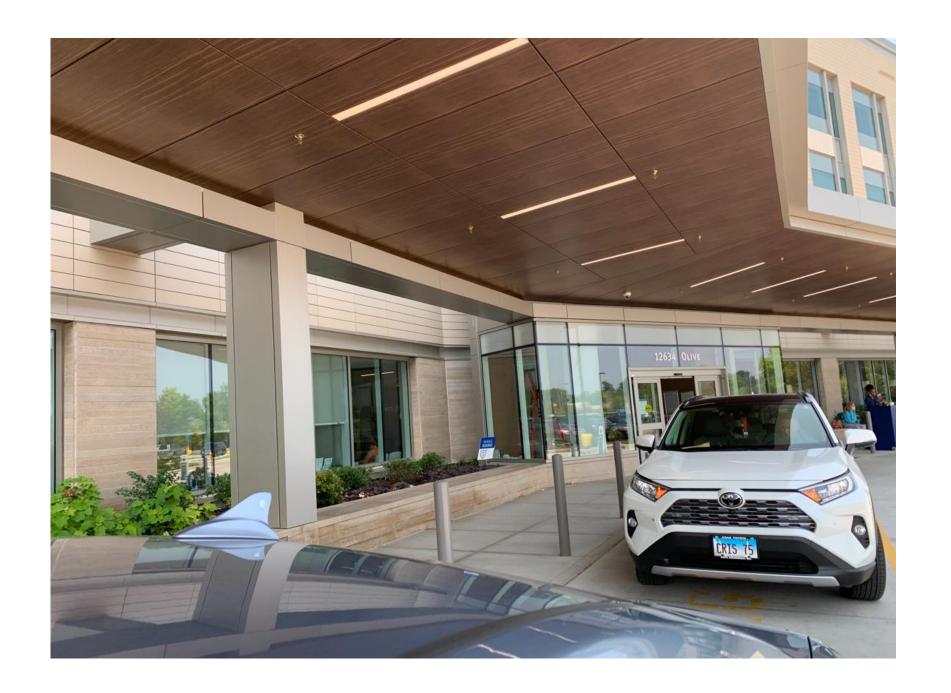# Demo: Unified Data Catalog for Aircraft Images

Scenario 4: Extract Geospatial Metadata to Enrich Catalog

Frank Lee, Joe Dain
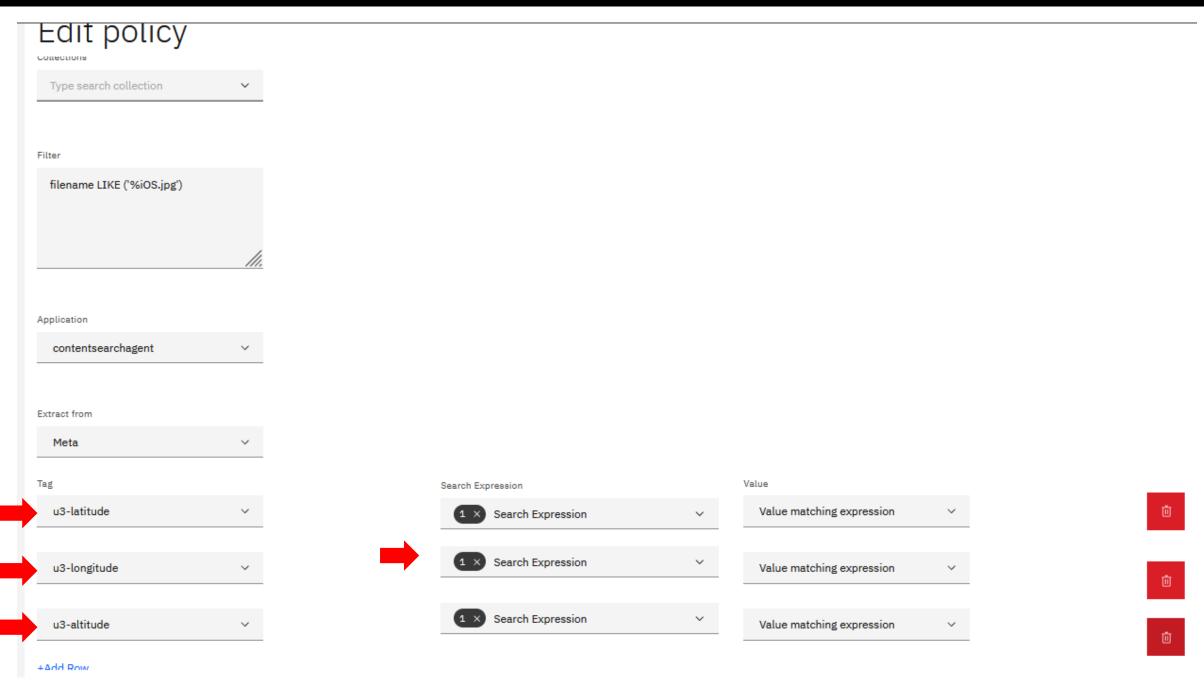
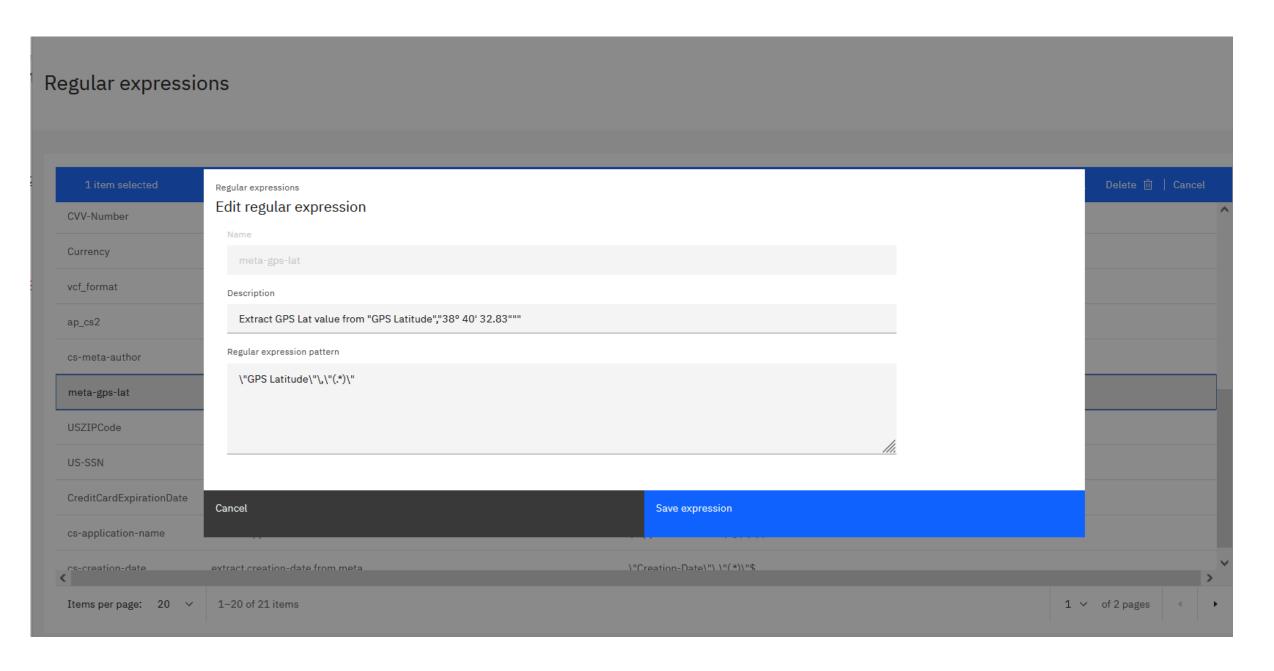https://github.com/drfranknlee/demo-udc-aircraft

Tag management

Tags   **Policies**   Policy history

1 item selected				Edit ✏️	Delete 🗑️	Start ▷	Preview 👁️	Cancel

Policy	Type	Schedule (UTC)	State	State	Collections	Last modified by	Last modified
ap_cs_body	CONTENTSEARCH	Done	● Active	✓ Complete		sdadmin	9/17/2021, 2:51:16 PM
ap_cs_meta	CONTENTSEARCH	Done	● Active	✓ Complete		sdadmin	9/16/2021, 1:18:06 PM
T101389_autotag_u2source_pol	AUTOTAG	Done	● Active	✓ Complete		sdadmin	9/21/2021, 2:32:38 PM
T101389_ImportTags_pol	IMPORT_TAGS	Done	● Active	✓ Complete		sdadmin	9/21/2021, 3:17:07 PM
u3-iphone-gps	CONTENTSEARCH	Done	● Active	✓ Complete		sdadmin	9/17/2021, 12:35:42 AM

Items per page: 20 ⌄   1–5 of 5 items   1 ⌄   of 1 pages   ‹   ›

Edit policy

Collections

Type search collection ⌄

Filter

filename LIKE ('%iOS.jpg')

Application

contentsearchagent ⌄

Extract from

Meta ⌄

Tag	Search Expression	Value	
u3-latitude ⌄	1 ✕ Search Expression ⌄	Value matching expression ⌄	🗑
u3-longitude ⌄	1 ✕ Search Expression ⌄	Value matching expression ⌄	🗑
u3-altitude ⌄	1 ✕ Search Expression ⌄	Value matching expression ⌄	🗑

+Add Row

Regular expressions

1 item selected		Delete 🗑	Cancel

CVV-Number

Currency

vcf_format

ap_cs2

cs-meta-author

meta-gps-lat

USZIPCode

US-SSN

CreditCardExpirationDate

cs-application-name

cs-creation-date   extract creation-date from meta   \"Creation-Date\"\.\"(.*)\\"$

Regular expressions

Edit regular expression

Name

meta-gps-lat

Description

Extract GPS Lat value from "GPS Latitude","38° 40' 32.83"""

Regular expression pattern

\"GPS Latitude\"\,\"(.*)\"

Cancel	Save expression

Items per page: 20 ⌄   1–20 of 21 items   1 ⌄   of 2 pages ◁ ▷

Tag management

Tags   **Policies**   Policy history

Policy edit
u3-iphone-gps has been updated   ✕

🔍   Add Policy   +

Policy	Type	Schedule (UTC)	State	State	Collections	Last modified by	Last modified
ap_cs_body	CONTENTSEARCH	Done	● Active	✓ Complete		sdadmin	9/17/2021, 2:51:16 PM
ap_cs_meta	CONTENTSEARCH	Done	● Active	✓ Complete		sdadmin	9/16/2021, 1:18:06 PM
T101389_autotag_u2source_pol	AUTOTAG	Done	● Active	✓ Complete		sdadmin	9/21/2021, 2:32:38 PM
T101389_ImportTags_pol	IMPORT_TAGS	Done	● Active	✓ Complete		sdadmin	9/21/2021, 3:17:07 PM
u3-iphone-gps	CONTENTSEARCH	Done	● Active	◔ Running		sdadmin	9/21/2021, 7:44:08 PM

Items per page: 20 ⌄   1–5 of 5 items   1 ⌄   of 1 pages   ‹ ›

Next page

Tag management

Tags   Policies   **Policy history**

Policy name	Type	Started	Ended	Status	Total records	Successful	Skipped	Failed
u3-iphone-gps	CONTENTSEARCH	9/21/2021, 7:36:41 PM	9/21/2021, 7:37:02 PM	✅ Complete	1	1	0	0
T101389_ImportTags_pol	IMPORT_TAGS	9/21/2021, 5:16:35 PM	9/21/2021, 5:16:53 PM	✅ Complete	22	22	0	0
T101389_autotag_u2source_pol	AUTOTAG	9/21/2021, 5:15:42 PM	9/21/2021, 5:15:44 PM	✅ Complete	22	22	0	0
T101389_autotag_u2source_pol	AUTOTAG	9/21/2021, 5:10:11 PM	9/21/2021, 5:10:12 PM	✅ Complete	22	22	0	0
T101389_ImportTags_pol	IMPORT_TAGS	9/21/2021, 3:24:40 PM	9/21/2021, 3:24:56 PM	✅ Complete	22	22	0	0

Query Results

Matched 1 records from metaocean_view table in 0.084503 seconds

Results view:

| Condensed | Individual |

Inspecting records
1

Grouped By

☐ Cluster
☐ Datasource
☐ Filegroup
☐ Filename
☐ Fileset

	path	filename	filetype	u3 latitude	u3 longitude	u3 altitude
☐	udc-vault/	E1016270/photos /20210727_172003076_iOS.jpg	jpg	38° 40' 32.83""	-90° 28' 3.3""	170 metres

Items per page: 10 ∨   1–1 of 1 items   1 ∨   of 1 pages   ◁   ▷

Query builder

    filename like ('%iOS%')