WD-DALI-1.2 Status

IVOA InterOp 2025a

Intro

Changes since DALI-1.1

- clarifications / improvements
- availability
- new xtypes

Work in Progress

Out of Scope

DALI

https://github.com/ivoa-std/DALI

Numerous issues completed (14)

A few stragglers (4)

Op	en 4 Closed 12	Author +	Labels
0	OpenAPI description of DALI parameters 1.2 #59 · pdowler opened 8 minutes ago		
0	Update section "Role within VO architecture" 1.2 #56 · mbtaylor opened last month		
0	Clarification of service parameter self-description #42 · by gpdf was closed last month	1.2	
0	Serialization recommendation for booleans? 1.2 #41 · gpdf opened on Sep 29, 2024		
0	POST parameter encoding 1.2 #40 · mbtaylor opened on Aug 8, 2024		
0	Unions of interval, circle, etc 1.2 #39 · by mbtaylor was closed 3 weeks ago		
0	new xtype="json" 1.2 #33 · by mbtaylor was closed last month		
0	promote xtype section in doc 1.2 #27 · by pdowler was closed on Jul 11, 2023		
0	New xtypes for sexagesimal angles 1.2 #22 · by mbtaylor was closed on Sep 14, 2023 · ウ 1.2		
0	new xtype="uuid" 1.2 #17 · by pdowler was closed on Sep 14, 2023		
0	new xtype="uri" 1.2 #16 · by pdowler was closed on Sep 14, 2023		
0	xtype="range" 1.2 #15 · by pdowler was closed on Sep 14, 2023		
0	OVERFLOW query status too tightly linked to MAXR #6 · by pdowler was closed on Nov 13, 2020	EC param 1	2
0	add xtype(s) for disjoint intervals and polygons 1.2 #3 · by pdowler was closed on Aug 28, 2020		
0	add xtype(s) to support polymorphic values 1.2 #2 · by pdowler was closed on Aug 28, 2020		
0	add xtype="moc" 1.2 #1 · by pdowler was closed on Aug 28, 2020		

Changes since DALI-1.1

Clarifications:

- VOSI-availability now optional deprecate?
- OVERFLOW query status
- Data Types section (xtype) promoted for better document structure
- architecture diagram update (in progress)
- boolean serialisation (in progress)
- POST parameter encoding requirements (in progress)

Changes since DALI-1.1

New xtypes

- uuid, uri: self explanatory
- **moc**: ascii serialisation as specified in MOC standard
- range: as defined in SIA-2.0
- hms, dms: sexagesimal angle format
- **shape**: polymorphic simple region (circle, range, polygon)
- **multishape**: complex region made up of component shapes (union)
- multiinterval: multiple intervals (union)
- **json**: parseable string value, no specific meaning

Work in Progress

Update architecture section to forward-reference standards that (should) use DALI (PR)

Clarification of boolean serialisation

- currently refers to XML Schema rather than VOTable

POST parameter encoding

- application/x-www-form-urlencoded vs multipart/form-data

Work in Progress - OpenAPI components

DALI.git/openapi/dali-maxrec.yaml

```
name: MAXREC
in: query
description: |
  request a specific limit on
  number of records to return
schema:
    type: integer
    format: int64
    minimum: 0
    exclusiveMinimum: false
```

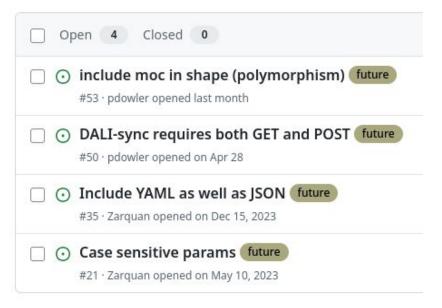
DALI.git/openapi/dali-upload.yaml

```
name: UPLOAD
in: query
description: |
  specify a comma-separated name, location pair for a
  temporary resource to be uploaded and used in the
  request
  schema:
    type: string
    pattern: '^[a-zA-Z]\w*,\S+$'
```

Should provide advice to clients and services to reduce pain in the future...

... decide now that in future parameter names will be lower? UPPER?

Out of Scope (future)



WD-DALI-1.2 is almost ready for RFC