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)

Open **4**　　Closed **12**　　　　　Author ⌄　　Labels

OpenAPI description of DALI parameters `1.2`
#59 · pdowler opened 8 minutes ago

Update section "Role within VO architecture" `1.2`
#56 · mbtaylor opened last month

Clarification of service parameter self-description `1.2`
#42 · by gpdf was closed last month

Serialization recommendation for booleans? `1.2`
#41 · gpdf opened on Sep 29, 2024

POST parameter encoding `1.2`
#40 · mbtaylor opened on Aug 8, 2024

Unions of interval, circle, etc `1.2`
#39 · by mbtaylor was closed 3 weeks ago

new xtype="json" `1.2`
#33 · by mbtaylor was closed last month

promote xtype section in doc `1.2`
#27 · by pdowler was closed on Jul 11, 2023

New xtypes for sexagesimal angles `1.2`
#22 · by mbtaylor was closed on Sep 14, 2023 · ⋔ 1.2

new xtype="uuid" `1.2`
#17 · by pdowler was closed on Sep 14, 2023

new xtype="uri" `1.2`
#16 · by pdowler was closed on Sep 14, 2023

xtype="range" `1.2`
#15 · by pdowler was closed on Sep 14, 2023

OVERFLOW query status too tightly linked to MAXREC param `1.2`
#6 · by pdowler was closed on Nov 13, 2020

add xtype(s) for disjoint intervals and polygons `1.2`
#3 · by pdowler was closed on Aug 28, 2020

add xtype(s) to support polymorphic values `1.2`
#2 · by pdowler was closed on Aug 28, 2020

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)

| Open | 4 | Closed | 0 |

- ⊙ **include moc in shape (polymorphism)** `future`
  #53 · pdowler opened last month

- ⊙ **DALI-sync requires both GET and POST** `future`
  #50 · pdowler opened on Apr 28

- ⊙ **Include YAML as well as JSON** `future`
  #35 · Zarquan opened on Dec 15, 2023

- ⊙ **Case sensitive params** `future`
  #21 · Zarquan opened on May 10, 2023

WD-DALI-1.2 is *almost* ready for RFC