



IVOA Interoperability Meeting

Malta - November 2024

DAL WG

Data Access Layer Working Group

Chair: Grégory Mantelet

Vice-Chair: Joshua Fraustro



STScI | SPACE TELESCOPE
SCIENCE INSTITUTE

Highlights in DAL session

ObsTAP + Datalink

Highlights in DAL session

ObsTAP + Datalink

[DAL at IRSA](#)

Anastasia Laity

- The nature of the data (simulated or real) MUST be visible an explicit in datasets
- CAOM -> ObsCore
- How to enforce ObsCore consistency across archives?

Highlights in DAL session

ObsTAP + Datalink

DAL at IRSA

Anastasia Laity

- The nature of the data (simulated or real) MUST be visible an explicit in datasets
- CAOM -> ObsCore
- How to enforce ObsCore consistency across archives?

How to get a data from different locations

Tess Jaffe

- 3 propositions using Datalink
 - 1 service descriptor each
 - suffixed #this content_type
 - [FB] use local_semantics
- *TBD - DAL running meeting*

Highlights in DAL session

ObsTAP + Datalink

[DAL at IRSA](#)

Anastasia Laity

- The nature of the data (simulated or real) MUST be visible an explicit in datasets
- CAOM -> ObsCore
- How to enforce ObsCore consistency across archives?

[How to get a data from different locations](#)

Tess Jaffe

- 3 propositions using Datalink
 - 1 service descriptor each
 - suffixed #this content_type
 - [FB] use local_semantics
- *TBD - DAL running meeting*

TAP-1.2 - Persistent upload

Highlights in DAL session

ObsTAP + Datalink

DAL at IRSA

Anastasia Laity

- The nature of the data (simulated or real) MUST be visible an explicit in datasets
- CAOM -> ObsCore
- How to enforce ObsCore consistency across archives?

How to get a data from different locations

Tess Jaffe

- 3 propositions using Datalink
 - 1 service descriptor each
 - suffixed #this content_type
 - [FB] use local_semantics
- TBD - DAL running meeting

TAP-1.2 - Persistent upload

A Prototype in DaCHS

Markus Demleitner

- No authentication
- /user-tables endpoint
- PUT, POST, GET, DELETE
- New in ADQL:
CREATE TABLE

Highlights in DAL session

ObsTAP + Datalink

[DAL at IRSA](#)

Anastasia Laity

- The nature of the data (simulated or real) MUST be visible an explicit in datasets
- CAOM -> ObsCore
- How to enforce ObsCore consistency across archives?

[How to get a data from different locations](#)

Tess Jaffe

- 3 propositions using Datalink
 - 1 service descriptor each
 - suffixed #this content_type
 - [FB] use local_semantics
- TBD - DAL running meeting

TAP-1.2 - Persistent upload

[A Prototype in DaCHS](#)

Markus Demleitner

- No authentication
- /user-tables endpoint
- PUT, POST, GET, DELETE
- New in ADQL:
CREATE TABLE

[Upload capabilities available in TAP+ services at ESA archives](#)

Jose Osinde Lopez

- Authentication required
- /uploads endpoint
- Storage in VOspace
- Sharing capabilities

Highlights in DAL session

ObsTAP + Datalink

[DAL at IRSA](#)

Anastasia Laity

- The nature of the data (simulated or real) MUST be visible an explicit in datasets
- CAOM -> ObsCore
- How to enforce ObsCore consistency across archives?

[How to get a data from different locations](#)

Tess Jaffe

- 3 propositions using Datalink
 - 1 service descriptor each
 - suffixed #this content_type
 - [FB] use local_semantics
- TBD - DAL running meeting

TAP-1.2 - Persistent upload

[A Prototype in DaCHS](#)

Markus Demleitner

- No authentication
- /user-tables endpoint
- PUT, POST, GET, DELETE
- New in ADQL:
CREATE TABLE

[Upload capabilities available in TAP+ services at ESA archives](#)

Jose Osinde Lopez

- Authentication required
- /uploads endpoint
- Storage in VOSpace
- Sharing capabilities

[User-managed tables in TAP](#)

Pat Dowler

- Authentication required
- /tables endpoint
- PUT, POST, GET, DELETE
- Permission, sharing, index
- P3T/OpenAPI - How to make HTTP methods or endpoints optional?

Highlights in DAL session

ObsTAP + Datalink

[DAL at IRSA](#)

Anastasia Laity

- The nature of the data (simulated or real) MUST be visible an explicit in datasets
- CAOM -> ObsCore
- How to enforce ObsCore consistency across archives?

[How to get a data from different locations](#)

Tess Jaffe

- 3 propositions using Datalink
 - 1 service descriptor each
 - suffixed #this content_type
 - [FB] use local_semantics
- TBD - DAL running meeting

TAP-1.2 - Persistent upload

[A Prototype in DaCHS](#)

Markus Demleitner

- No authentication
- /user-tables endpoint
- PUT, POST, GET, DELETE
- New in ADQL:
CREATE TABLE

[User-managed tables in TAP](#)

Pat Dowler

- Authentication required
- /tables endpoint
- PUT, POST, GET, DELETE
- Permission, sharing, index
- P3T/OpenAPI - How to make HTTP methods or endpoints optional?

[Upload capabilities available in TAP+ services at ESA archives](#)

Jose Osinde Lopez

- Authentication required
- /uploads endpoint
- Storage in VOSpace
- Sharing capabilities

Wrap-up:

- Draft to clarify
- Need more discussions
- It will be an optional feature
- Experiment with OpenAPI

Well-received messages

from other sessions

Well-received messages

from other sessions

ADQL (in Apps)
Markus Demleitner

*“Optional features are
bad for UX.
Please avoid them!”*

Well-received messages

from other sessions

ADQL (in Apps)
Markus Demleitner

*“Optional features are
bad for UX.
Please avoid them!”*

DAL stds (in Apps)
Markus Demleitner

*“Don’t standardize case
insensitive parameters!”*

Well-received messages

from other sessions

ADQL (in Apps)
Markus Demleitner

*“Optional features are
bad for UX.
Please avoid them!”*

DAL stds (in Apps)
Markus Demleitner

*“Don’t standardize case
insensitive parameters!”*

SIAv2 (in Apps)
Trey Roby

*“Remember to support
MAXREC=0.”
It will be used intensively by
Firefly.*

Well-received messages

from other sessions

ADQL (in Apps)
Markus Demleitner

“Optional features are bad for UX. Please avoid them!”

DAL stds (in Apps)
Markus Demleitner

“Don’t standardize case insensitive parameters!”

SIAv2 (in Apps)
Trey Roby

*“Remember to support MAXREC=0.”
It will be used intensively by Firefly.*

DALI-1.2 (in Apps)
Mark Taylor

*Suggestion to add Parquet in RESPONSEFORMAT values.
application/vnd.apache.parquet
(alias: parquet)*

Well-received messages

from other sessions

ADQL (in Apps)
Markus Demleitner

“Optional features are bad for UX. Please avoid them!”

DAL stds (in Apps)
Markus Demleitner

“Don’t standardize case insensitive parameters!”

SIAv2 (in Apps)
Trey Roby

*“Remember to support MAXREC=0.”
It will be used intensively by Firefly.*

DALI-1.2 (in Apps)
Mark Taylor

*Suggestion to add Parquet in RESPONSEFORMAT values.
application/vnd.apache.parquet
(alias: parquet)*

Much interest into ObsLocTAP along with ObjObsSAP and ObsCore in several talks.

Well-received messages

from other sessions

ADQL (in Apps)
Markus Demleitner

“Optional features are bad for UX. Please avoid them!”

DAL stds (in Apps)
Markus Demleitner

“Don’t standardize case insensitive parameters!”

SIAv2 (in Apps)
Trey Roby

*“Remember to support MAXREC=0.”
It will be used intensively by Firefly.*

DALI-1.2 (in Apps)
Mark Taylor

*Suggestion to add Parquet in RESPONSEFORMAT values.
application/vnd.apache.parquet
(alias: parquet)*

*Much interest into ObsLocTAP along with **ObjObsSAP** and ObsCore in several talks.*

Well-received messages

from other sessions

ADQL (in Apps)
Markus Demleitner

“Optional features are bad for UX. Please avoid them!”

DAL stds (in Apps)
Markus Demleitner

“Don’t standardize case insensitive parameters!”

SIAv2 (in Apps)
Trey Roby

*“Remember to support MAXREC=0.”
It will be used intensively by Firefly.*

DALI-1.2 (in Apps)
Mark Taylor

*Suggestion to add Parquet in RESPONSEFORMAT values.
application/vnd.apache.parquet
(alias: parquet)*

*Much interest into ObsLocTAP along with **ObjObsSAP** and ObsCore in several talks.*

LineTAP
Jean Michel Glorian

Working on a client (CASSIS) and server implementation.

Let's get connected!



DAL mailing list

Grégory Mantelet (chair)
Joshua Fraustro (v-chair)



DAL channel



Twiki IvoaDAL



IVOA documents