

GO-ESSP Abingdon 2015

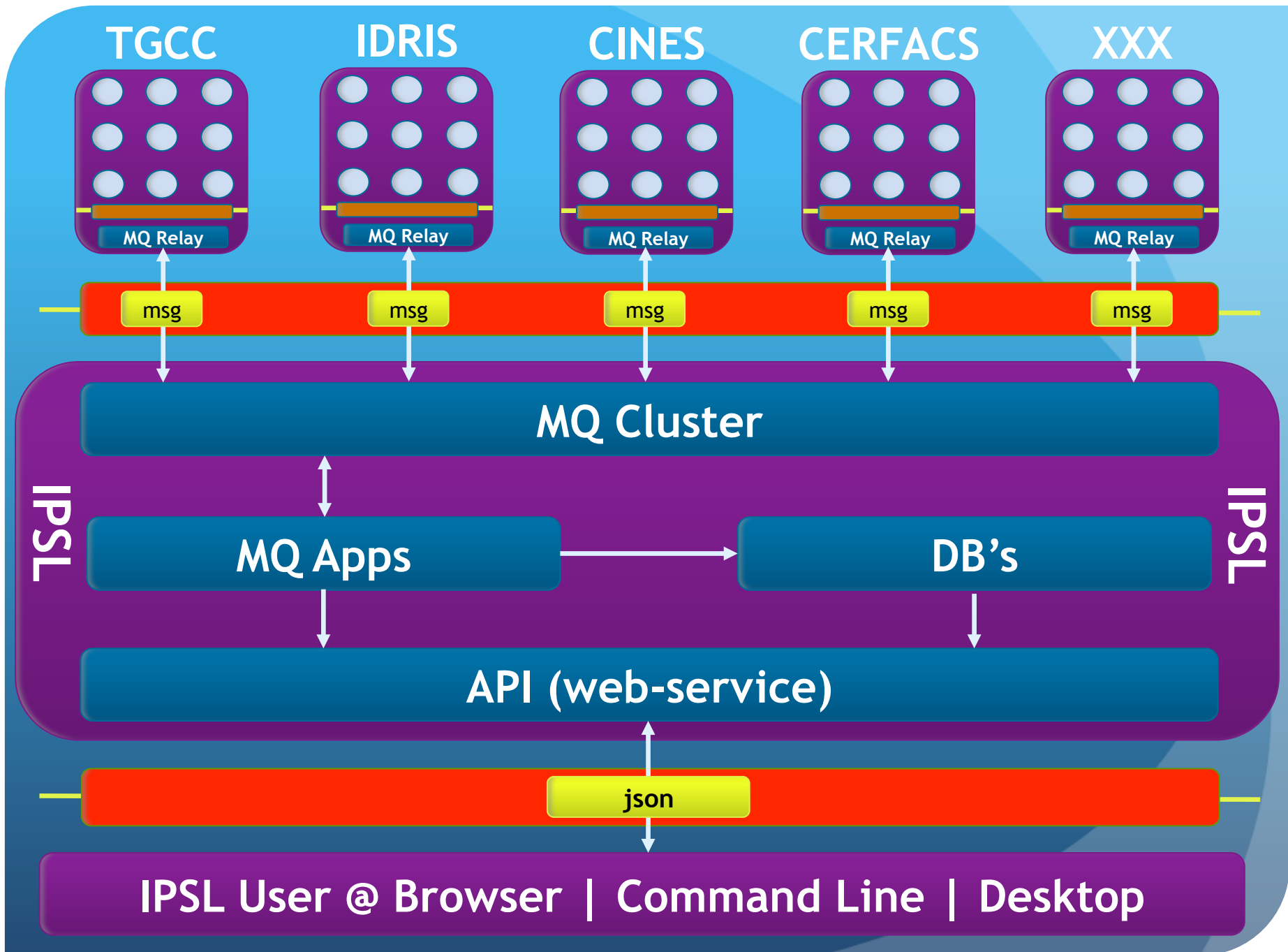
Towards a really simple controlled vocabulary service

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I - Real World @ IPSL

Low latency adaptive system



Message Flow: IPSL.MQ-APP ---> Other

MQ APPS @ IPSL

primary

sim-mon
(python)

metrics
(python)

esg-f
(python)

es-doc
(python)

secondary

api
(python)

smtp
(python)

img
(python)

tcp/ip

https

wss

smtp

???

DB @ IPSL

API
@ ESG-F

API
@ ES-DOC

FE @
browser

SMTP
@ IPSL

File
Server
@ IPSL

Config file validation

Ingestion points

Message headers

Message content

Browser Apps

ES-DOC publishing

ESG-F publishing

Universes

IPSL

ES-DOC

ESG-F

CF-NAMES

II -Requirements

Requirements- I

- Seeding
- Simple type system
- Name spacing
- Associations
- Hierarchies
- Aliases / Synonyms
- Versioning
- I/O (with GitHub integration)

Requirements- II

- Interoperability (encode / decode)
- Validation
- Caching
- Parsing (substitutions)
- Governance (accept, reject, deprecate, reset ...etc)
- Adaptive (new terms)
- Language bindings: Python, Javascript ...etc
- Custom term data

III - Towards A Standard Library

pyescv

- PYthon Earth Science Controlled Vocabularies ???
- Forked from prodiguer library
- See IPython Notebook

IV - Conclusion

SIMPLICITY

SIMPLICITY

SIMPLICITY

SIMPLICITY

SIMPLICITY

SIMPLICITY

SIMPLICITY