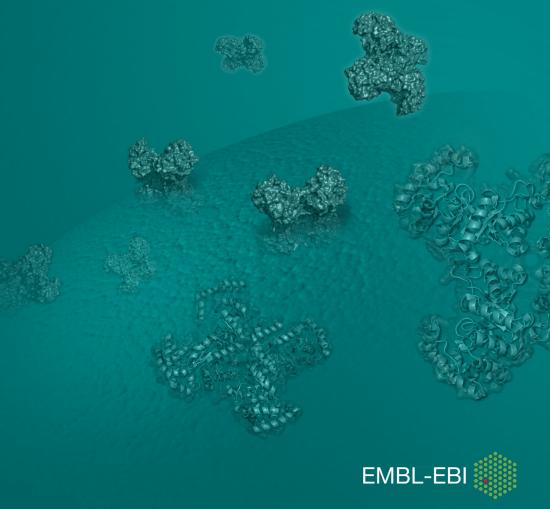
PDBe REST API

Jose M. Dana



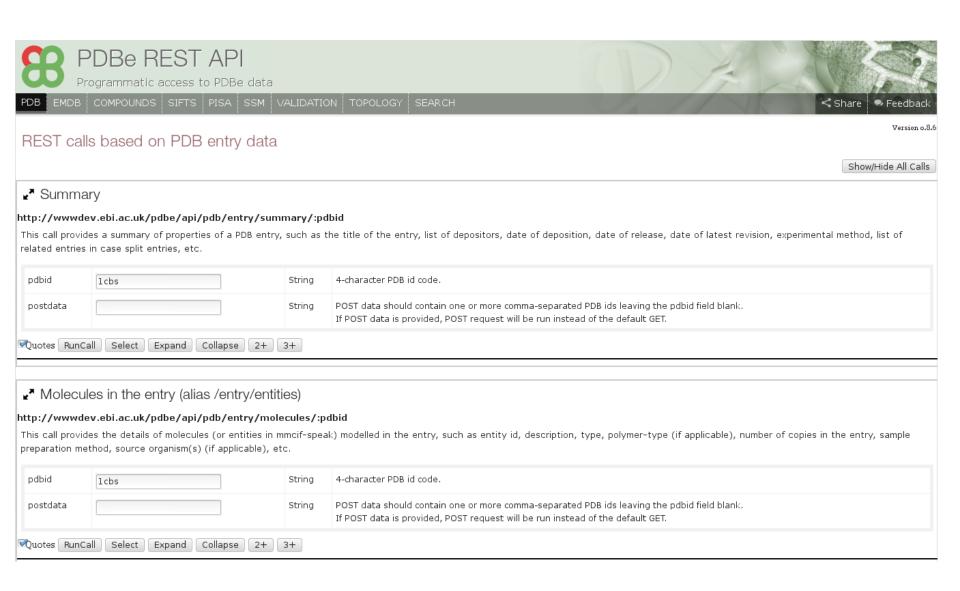


PDBe REST API

- Each URL answers one question
- HTTP GET requests for individual queries
- HTTP POST requests for batch queries (not every call allows POST requests)
- JSON output
- HTTP status codes:
 - HTTP **200**: OK
 - HTTP 404: What you are looking for is not present (e.g. the entry doesn't have any mappings when calling http://wwwdev.ebi.ac.uk/pdbe/api/mappings/4rj1)
 - HTTP 5XX: Something bad happened. Please report.
- Do you plan to use the REST API? Subscribe to the mailing list!: pdbe-api-users@ebi.ac.uk
 (pdbe-api-users-join@ebi.ac.uk)











PDB



- Summary
- Status
- Experiment
- Publications
- Secondary structure
- **-** ...

EMDB



- Summary
- Imaging
- Publications
- Map
- . . .

Compounds



- Summary
- Atoms
- Bonds
- Entries containing the compounds



SIFTS



- PDB mappings to external resources (UniProt, CATH, GO, etc.)
- Mappings from external resources to PDB
- Homologous molecules

Pisa



- 'asis' assembly energetics summary
- Assembly details
- **.** . . .



SSM



Structure similarity queries



Validation



- Quality metrics
- Outliers
- **.**..



Topology



2D secondary structure layout



A few things

- http://wwwdev.ebi.ac.uk/pdbe/api/
- http://wwwdev.ebi.ac.uk/pdbe/api/doc/
- https://github.com/PDBeurope/RESTAPI_tutorials
 - git clone https://github.com/PDBeurope/RESTAPI_tutorials.git
 - cd RESTAPI_tutorials/notebooks
 - ipython notebook .
- pdbe-api-users-join@ebi.ac.uk

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