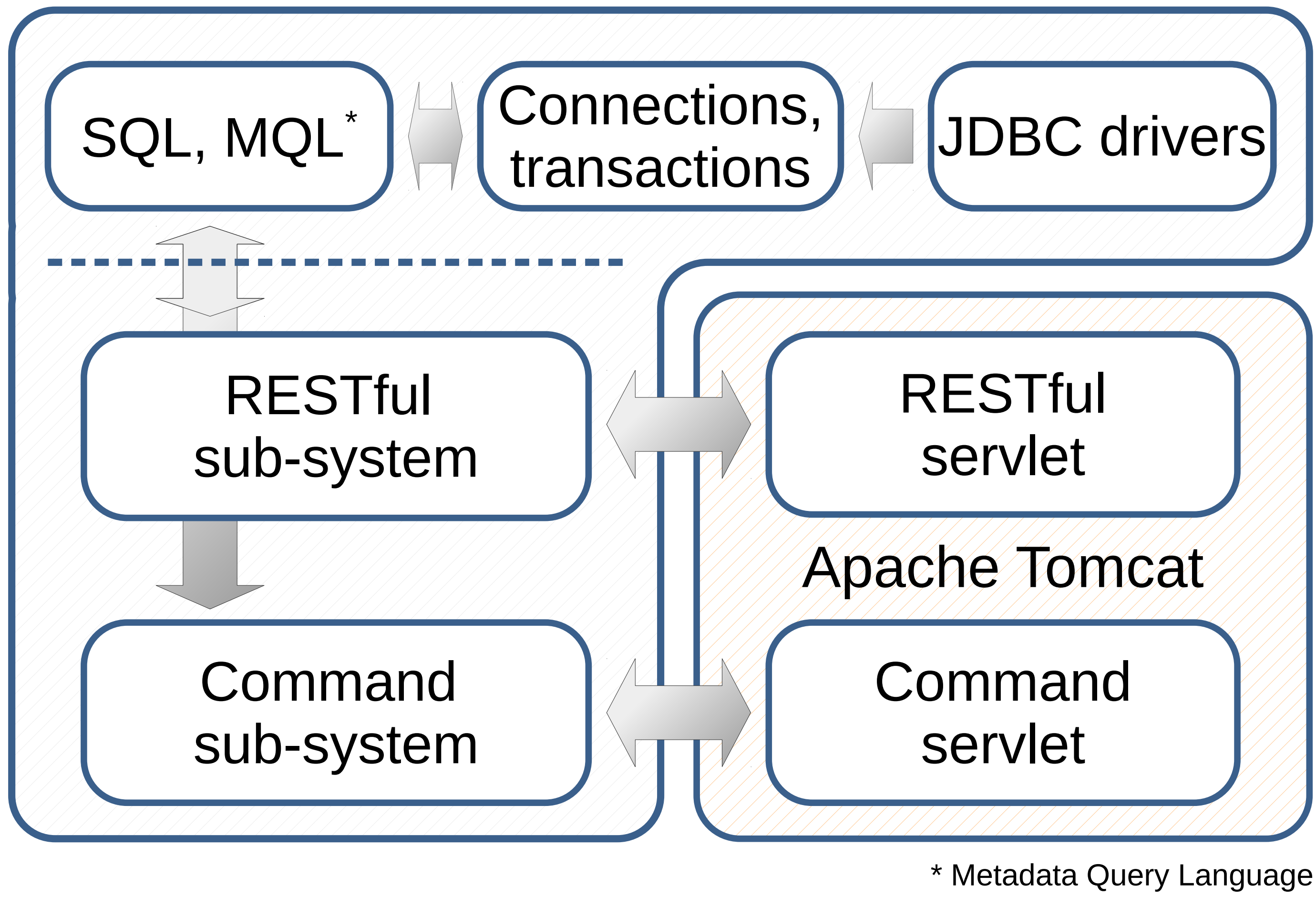


Migration of the ATLAS Metadata Interface (AMI) to Web 2.0 and cloud



The ATLAS Metadata Interface¹ (AMI) has existed for over 10 years. Recently we have adapted the application to modern technologies; in particular JQuery, Twitter Bootstrap and an OpenStack cloud infrastructure.

AMI Java server overview

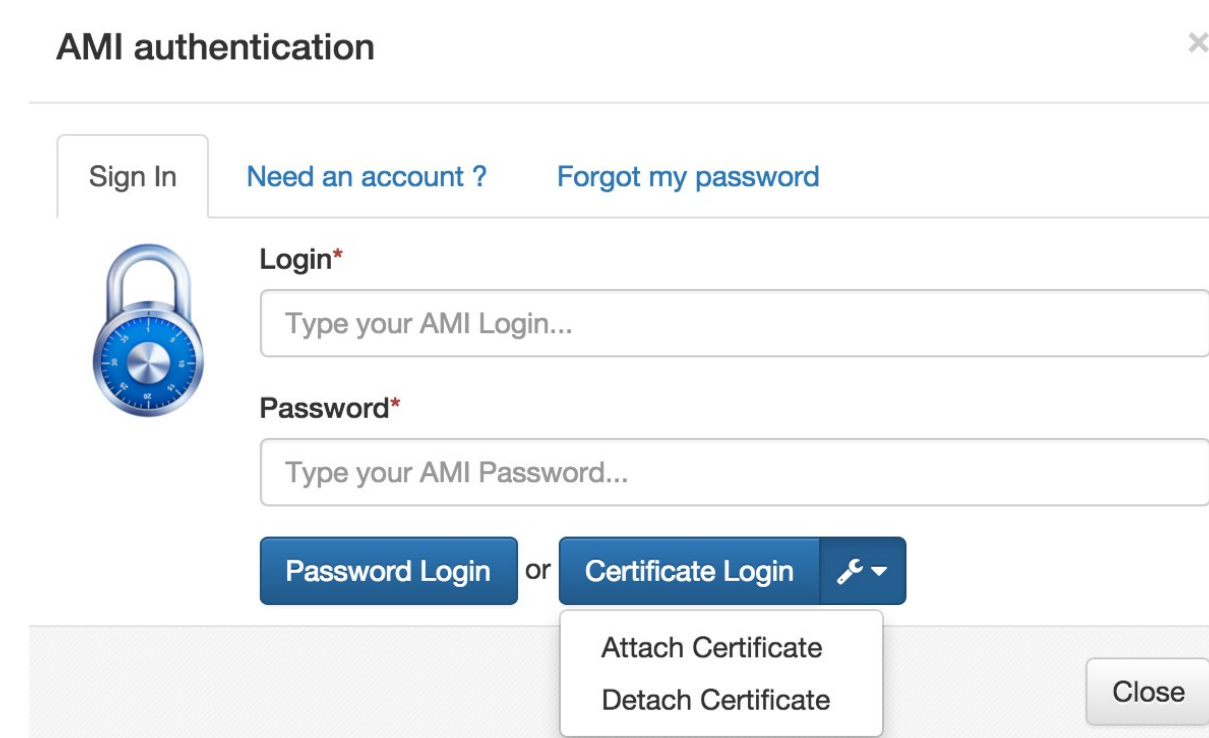


Official ATLAS applications

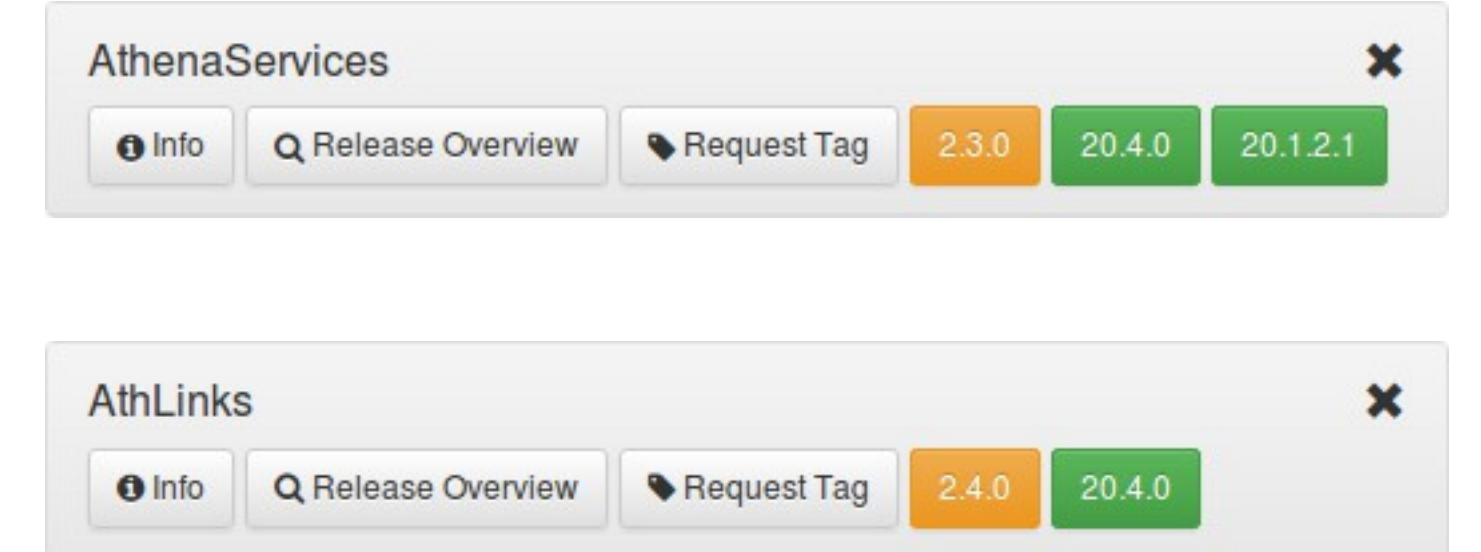
- **Dataset Discovery:** search for real and simulated data
- **Tag Collector:** software release management
- **AMI-Tags:** processing history for datasets
- etc...

Web 2.0 in AMI

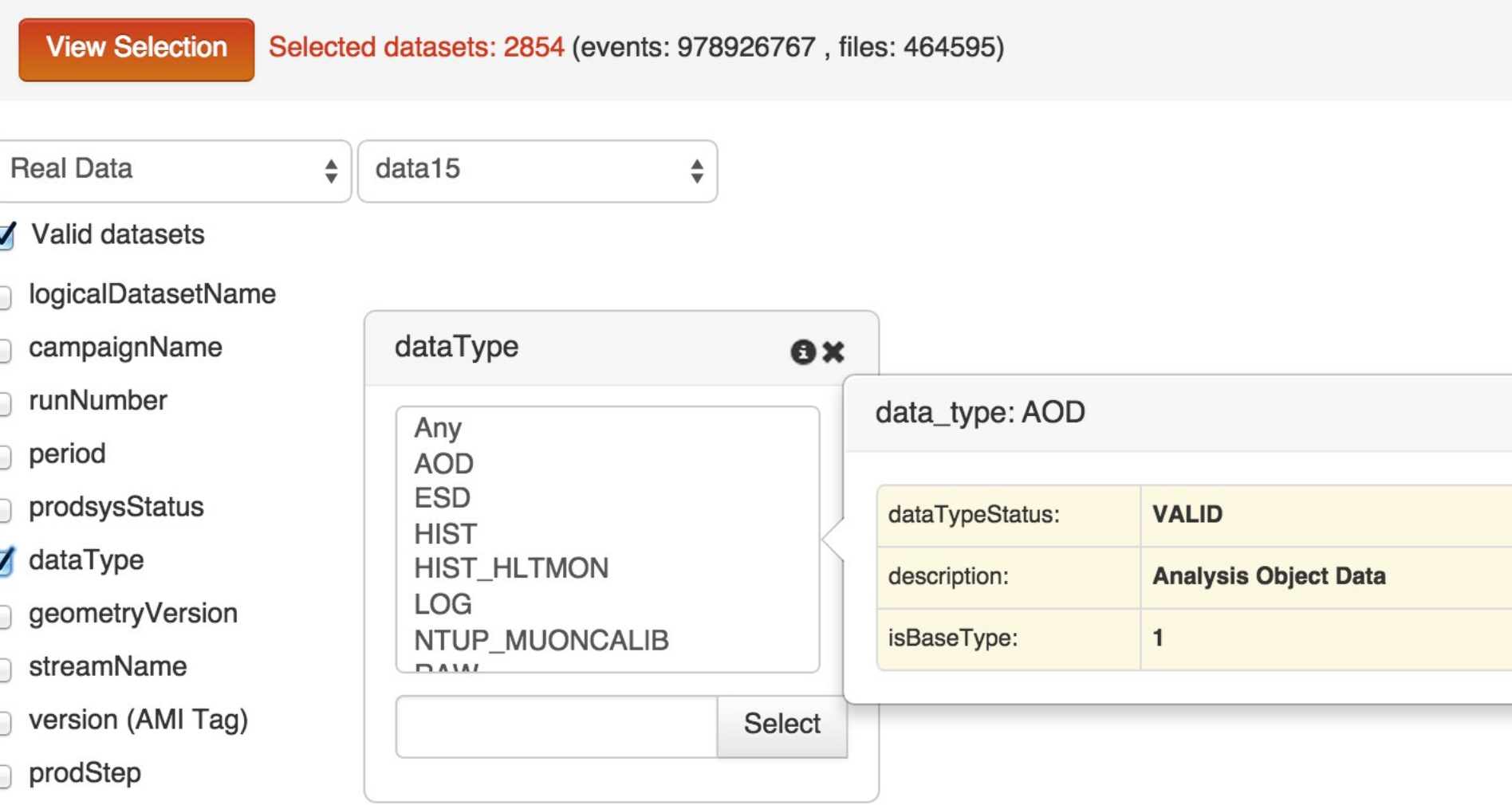
Common login interface



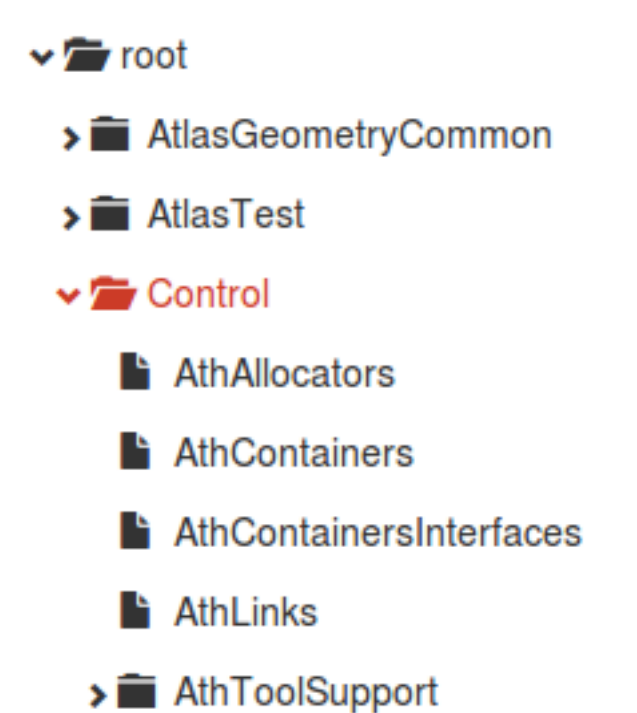
Dynamic custom dashboards



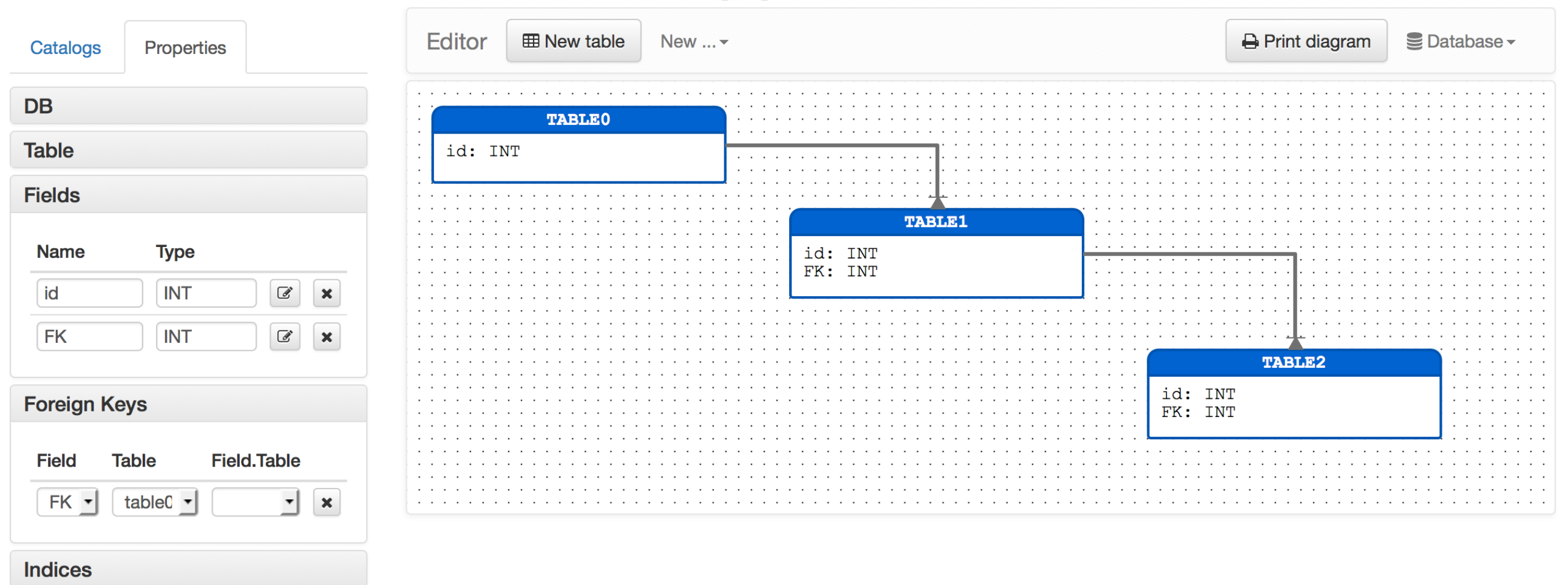
Metadata search engines



Navigation trees



High level administration applications



AMI Web framework

AMI provides a framework for web application development.

Used technologies:

- JQuery
- Twitter Bootstrap
- AJAX and JSON



Main features:

- Internal content management system (CMS)
- Authentication (certificates or credentials)
- Authorization (high role granularity)
- Dynamic application loading

AMI infrastructure

