



HAGGIS

Accounting Group management @ CERN

Nikolaos-Petros Triantafyllidis, CERN
ntrianta@cern.ch

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Thu, Feb 09, 2017

Direct Message (with Ben Jones)



Ben Jones 11:52 AM

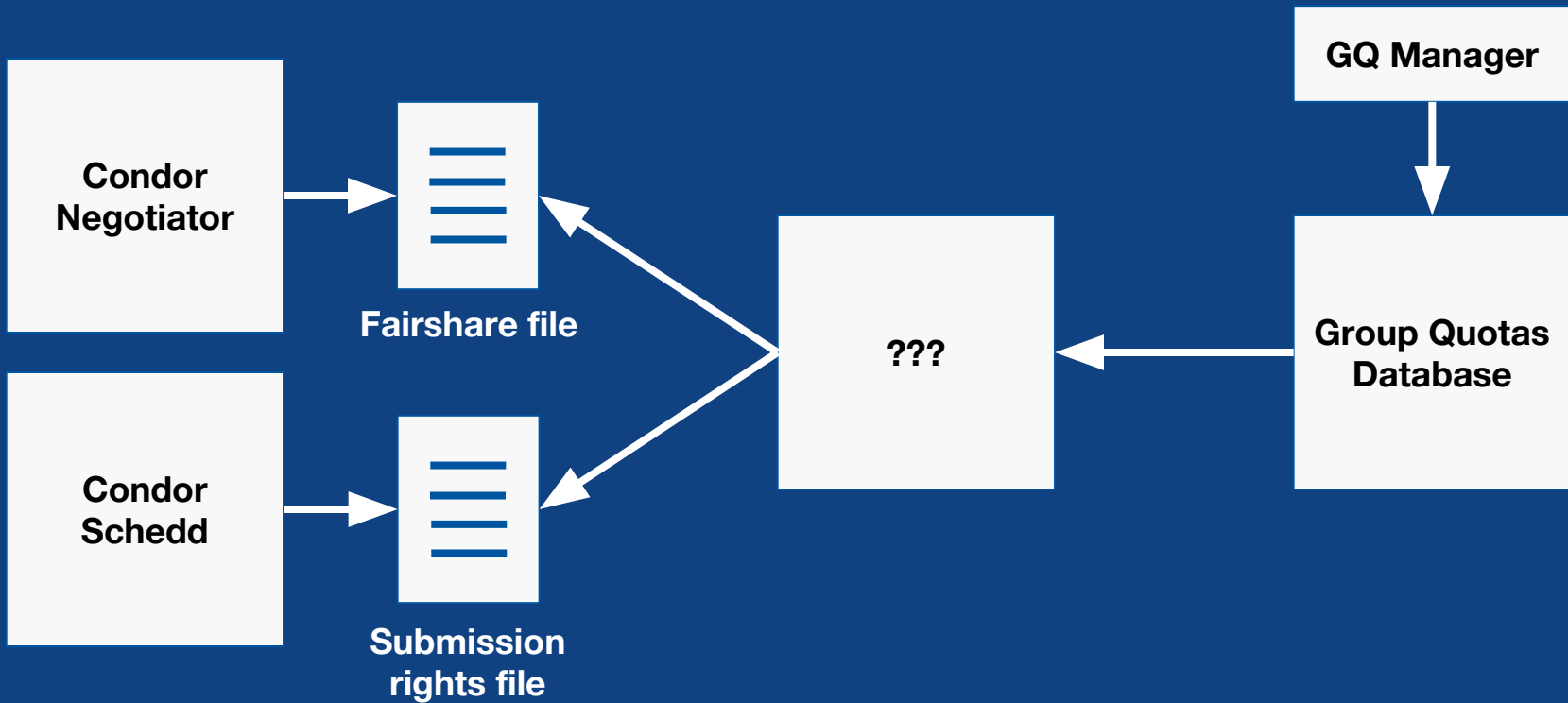
[Jump](#)

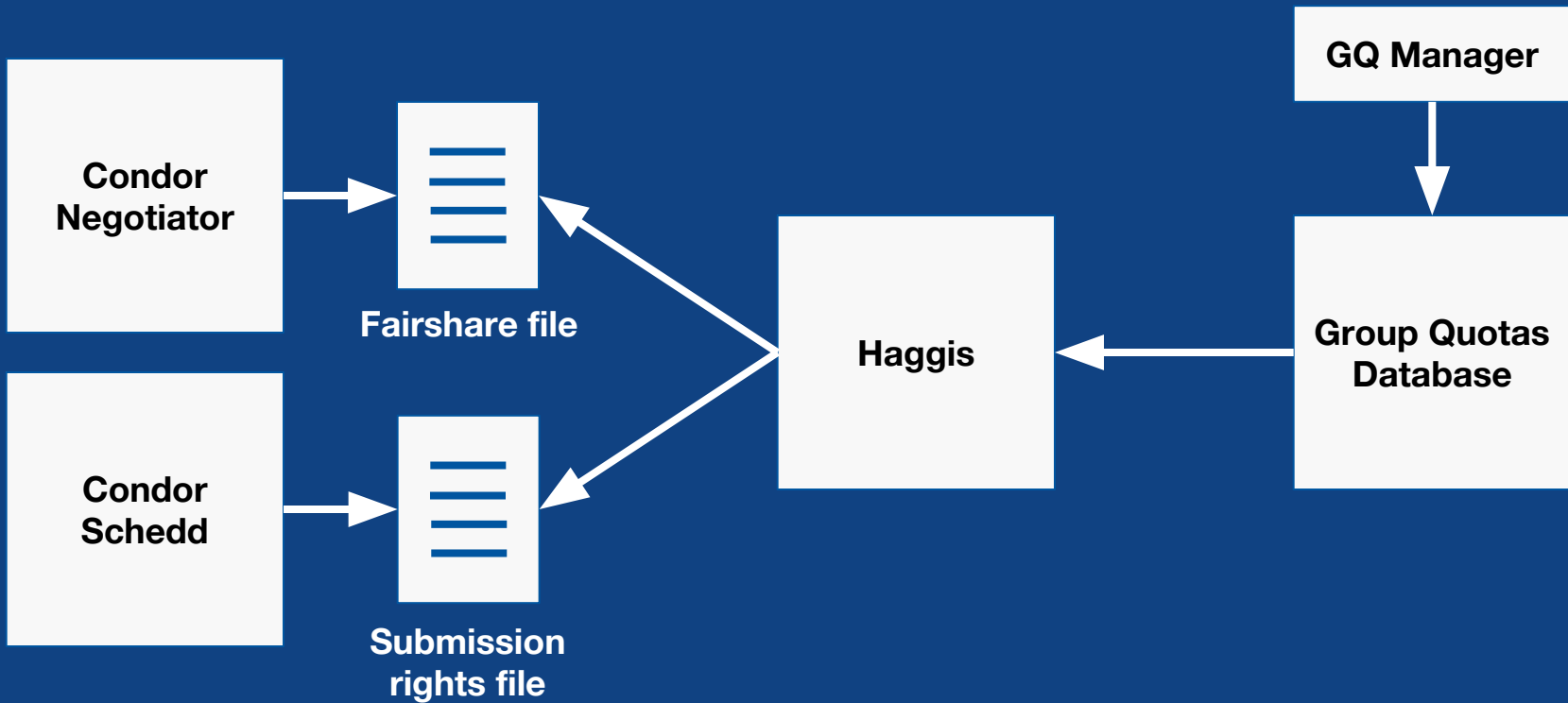
HAGGIS is a silly acronym. Htcondor Accounting Group Generation Info System. I think

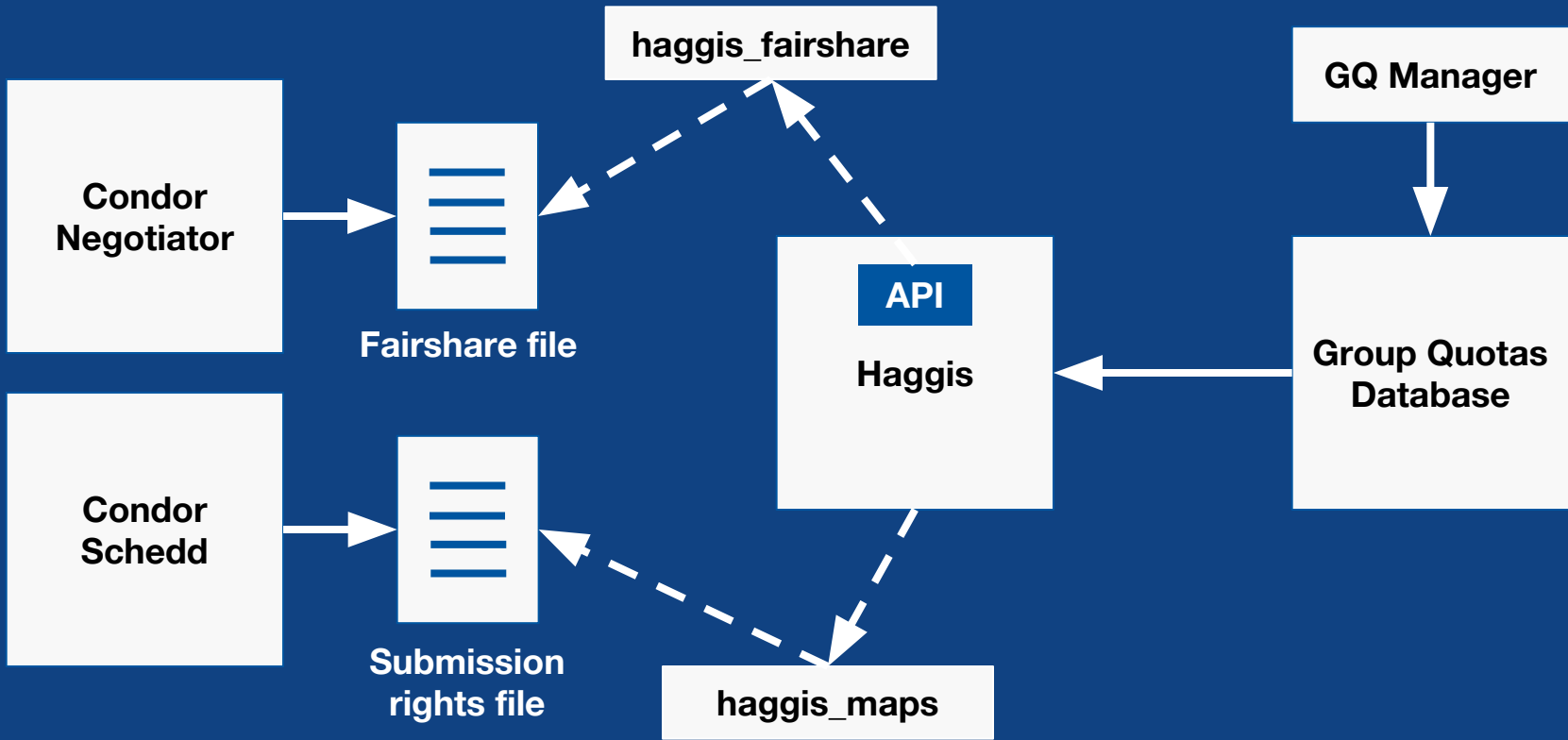
Thu, Feb 09, 2017

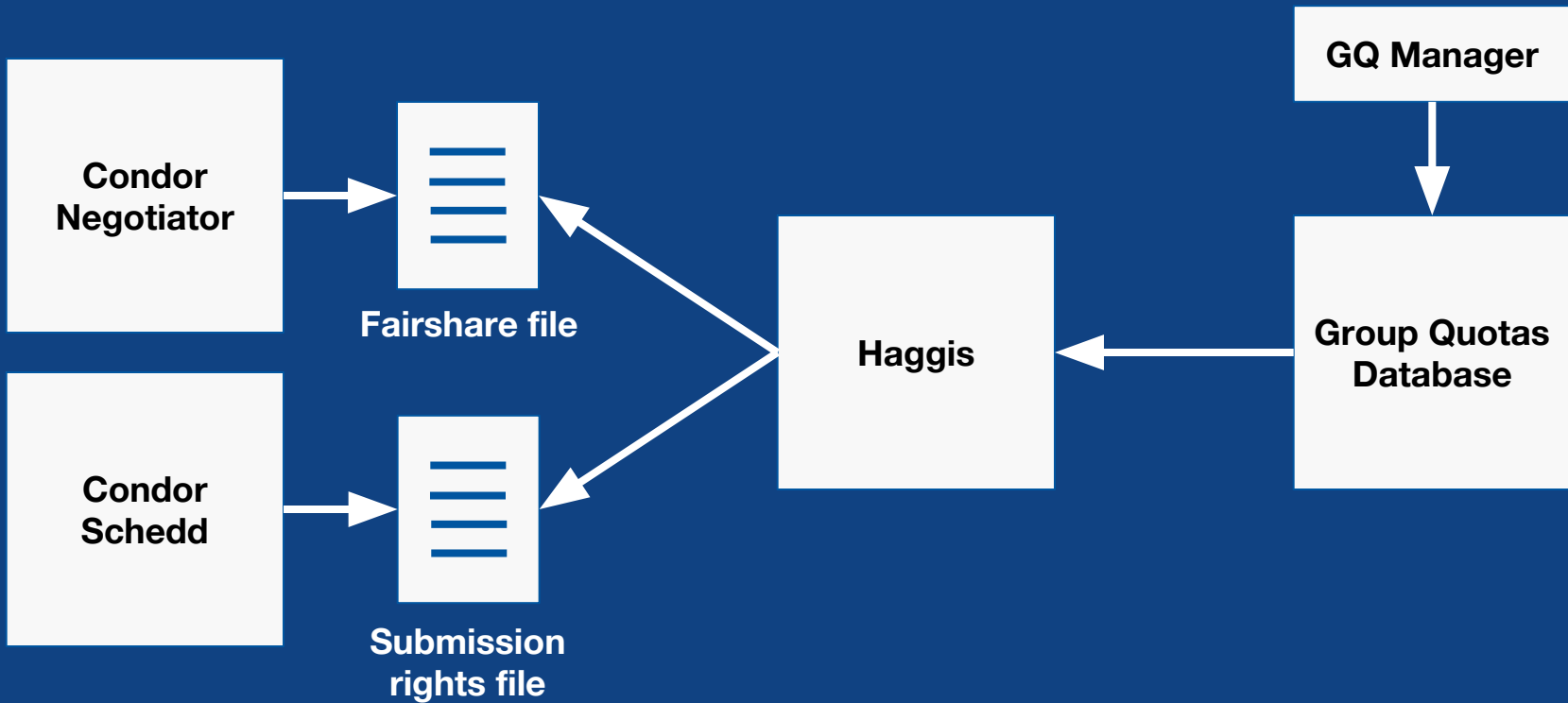


CERN's use case



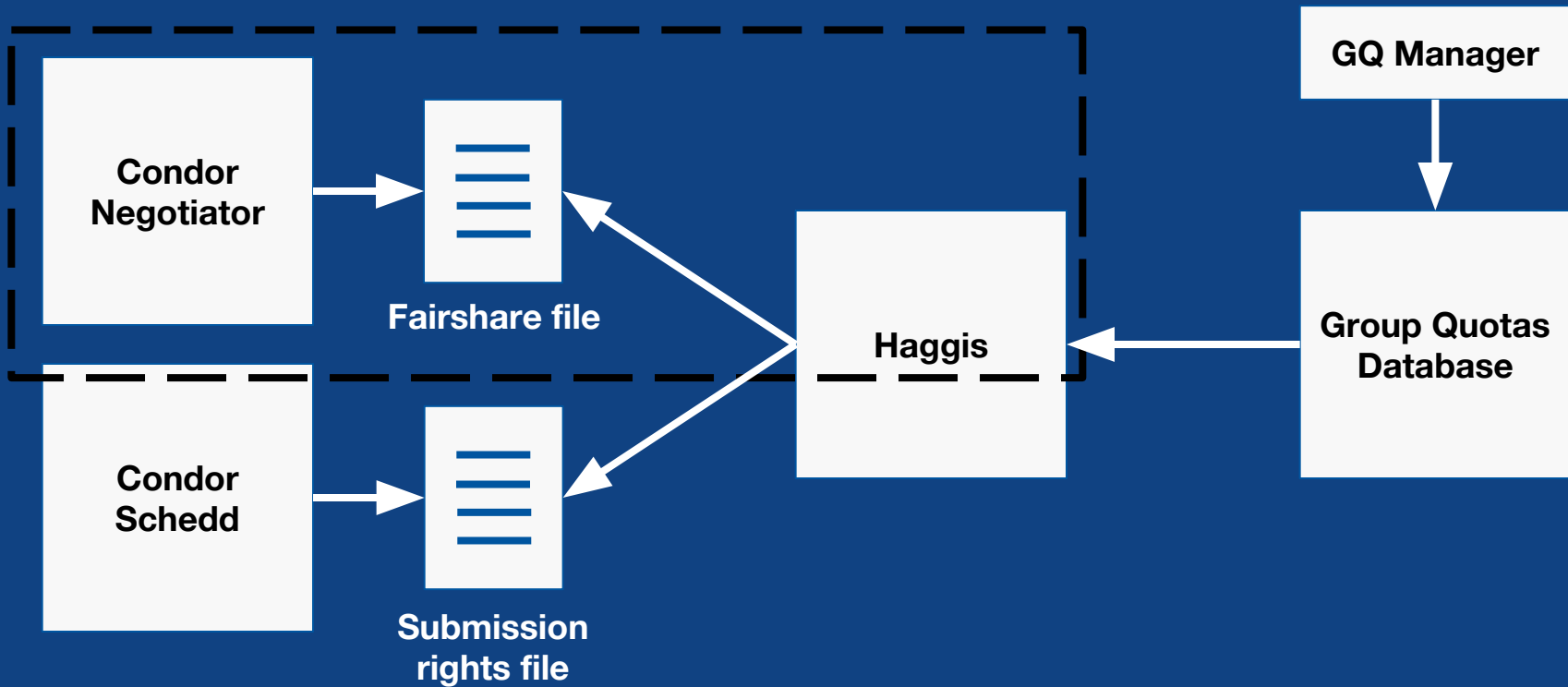




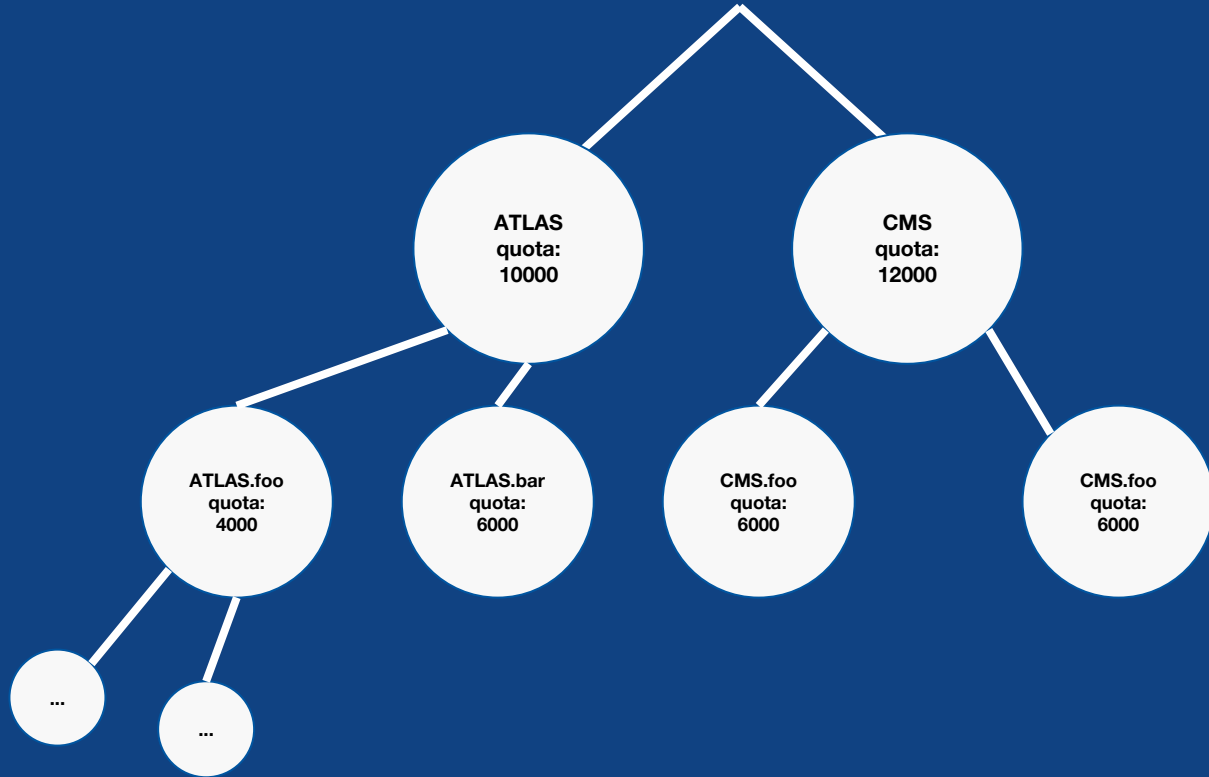


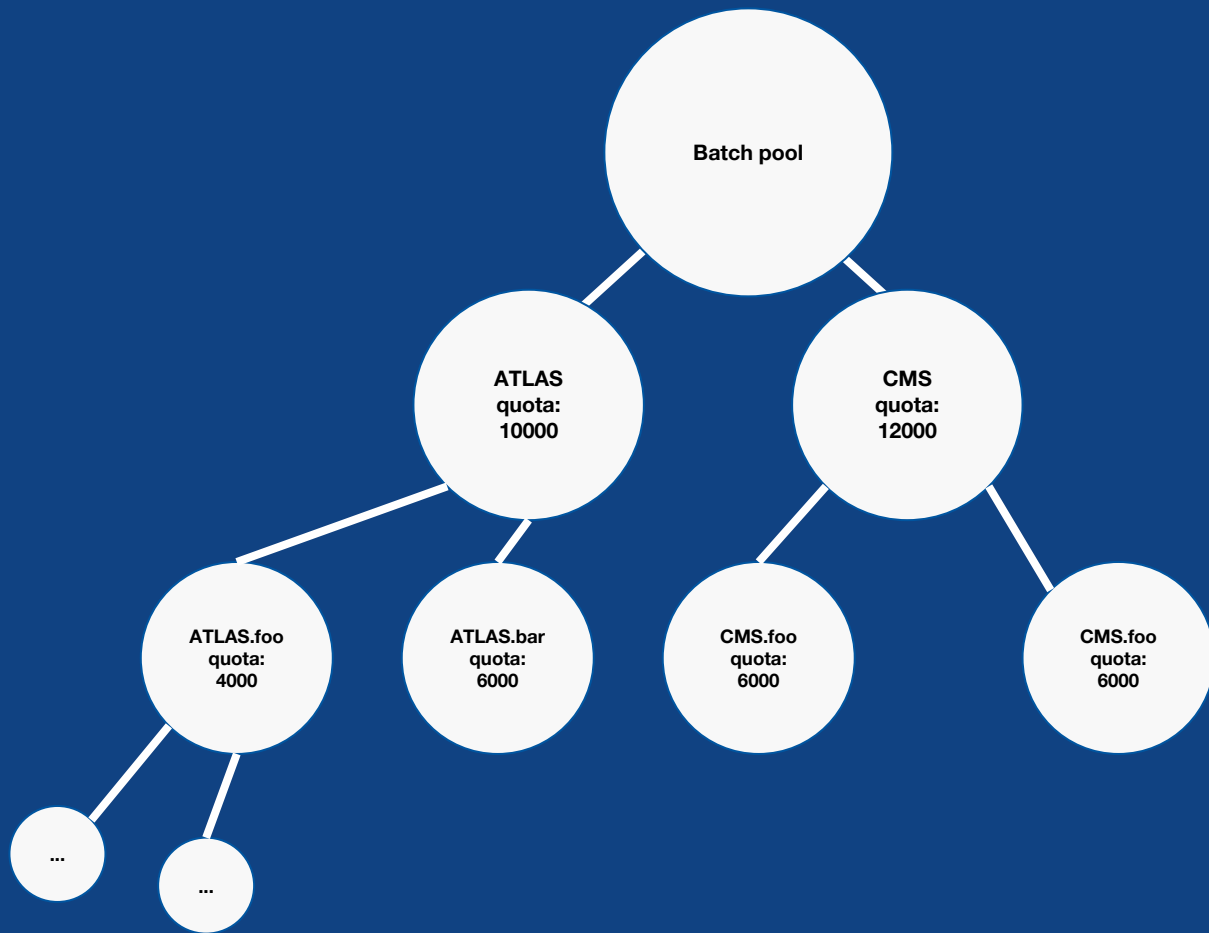
CERN's use case

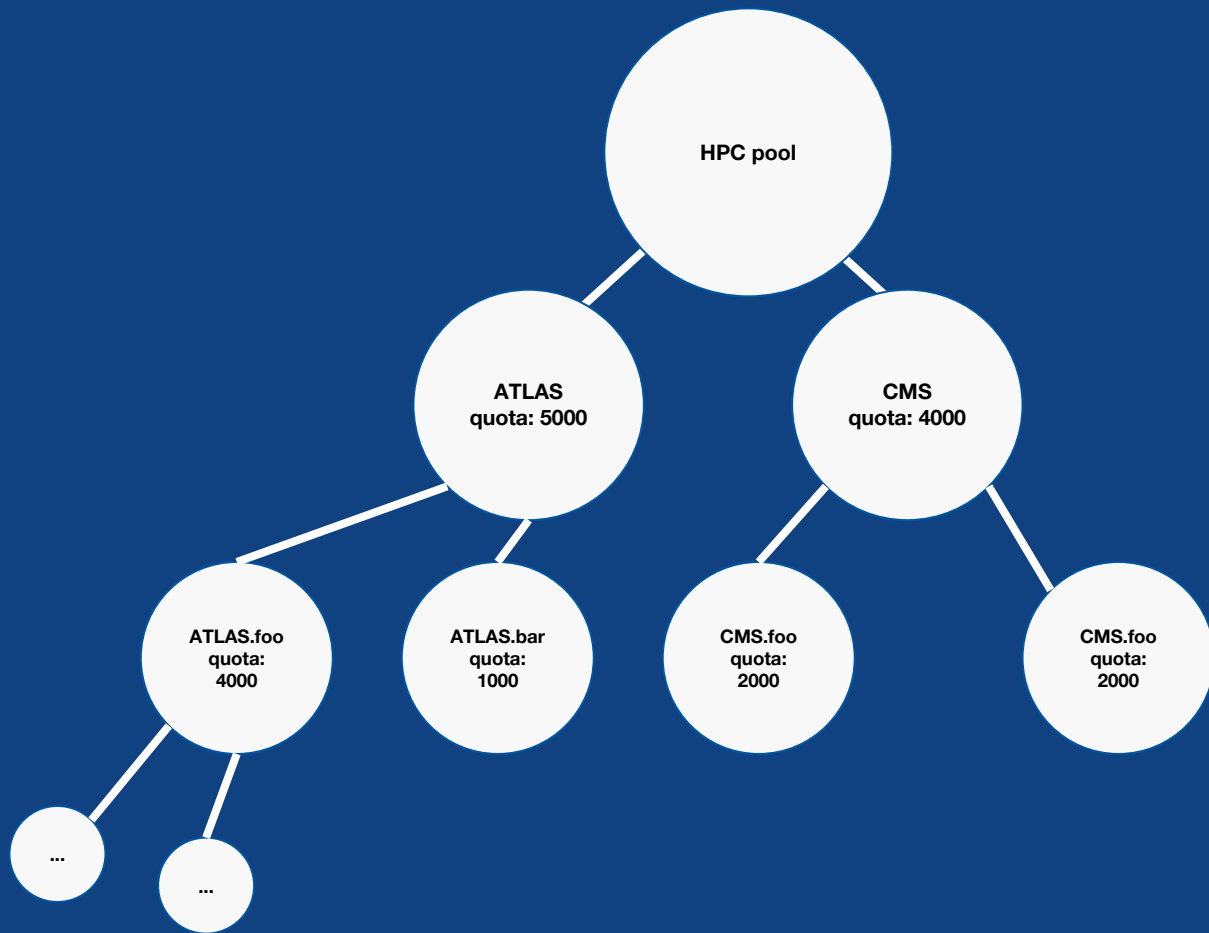
Resource management

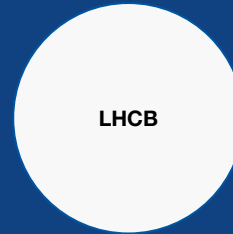
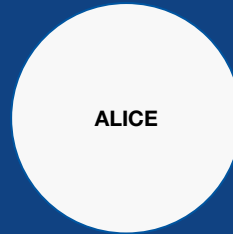
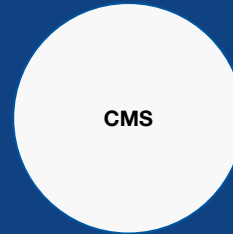
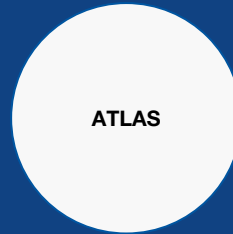
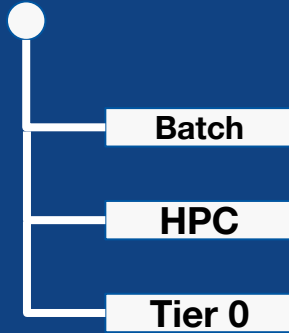


Data Model

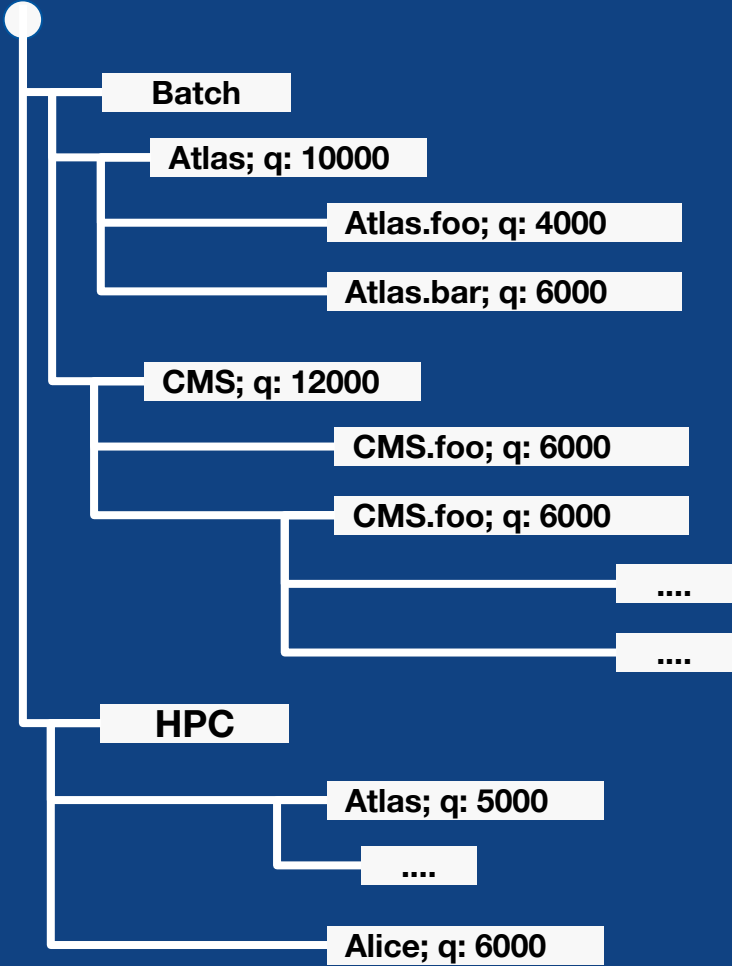












CRUD

Accounting Groups

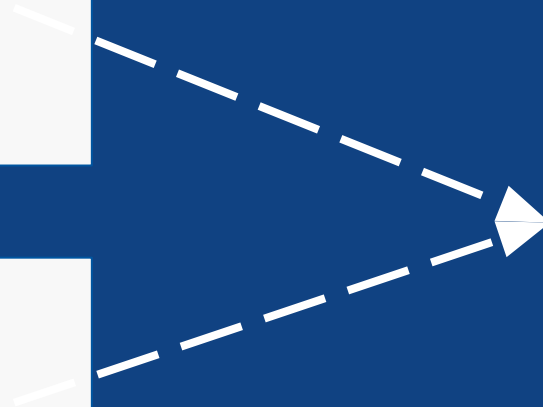
- ID
- Name
- Description

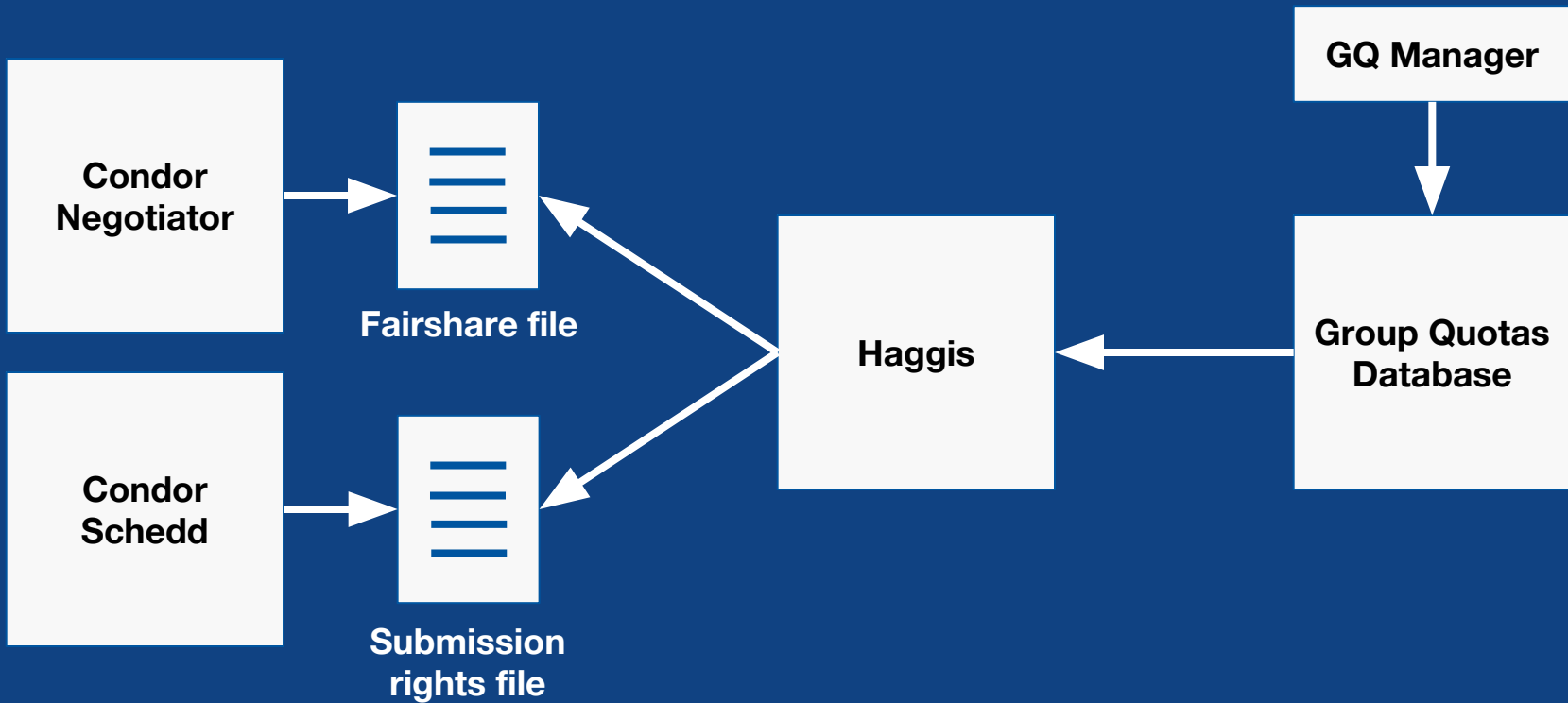
Pools

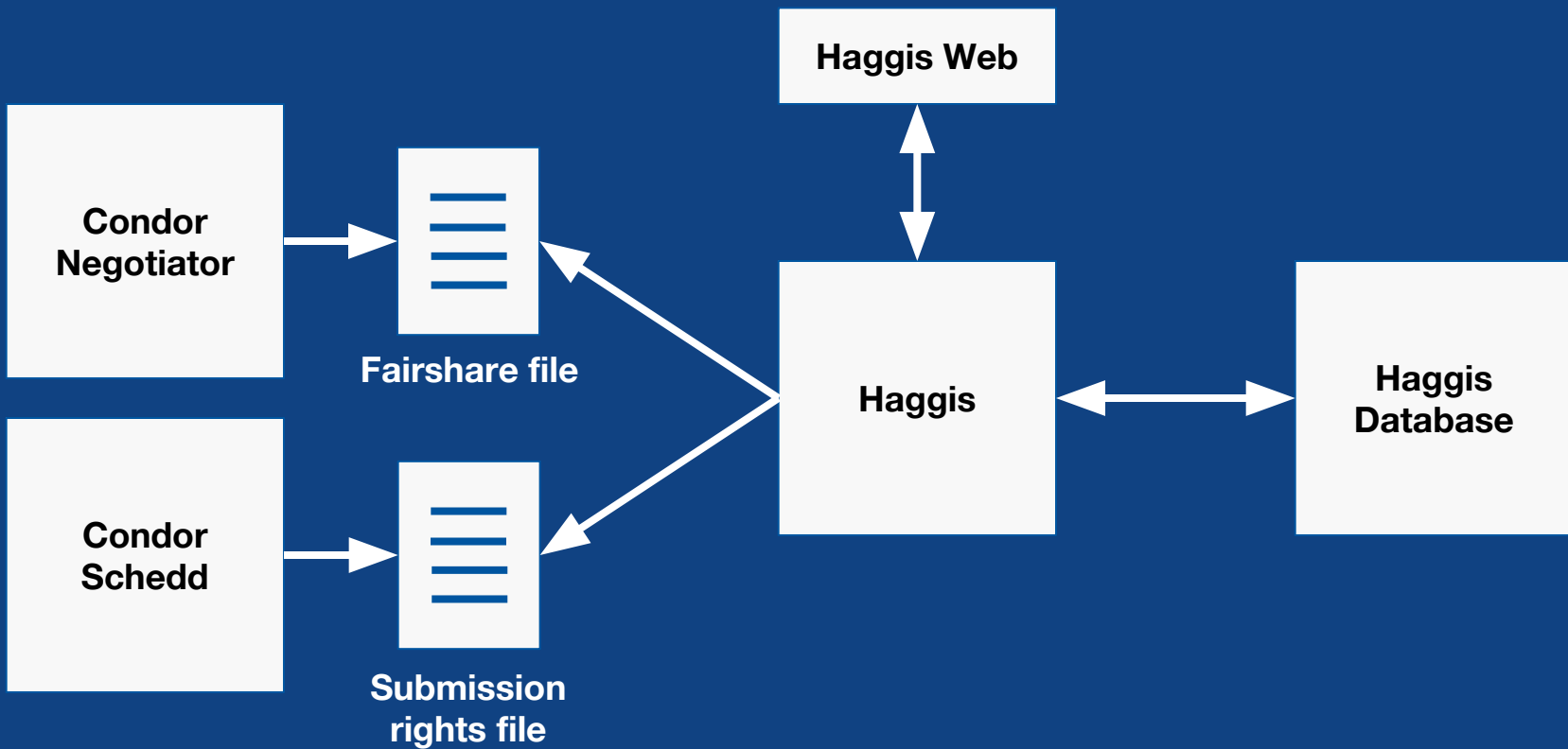
- ID
- Name
- Description

Pool to Group

- Pool
- Group
- Quota
- ...

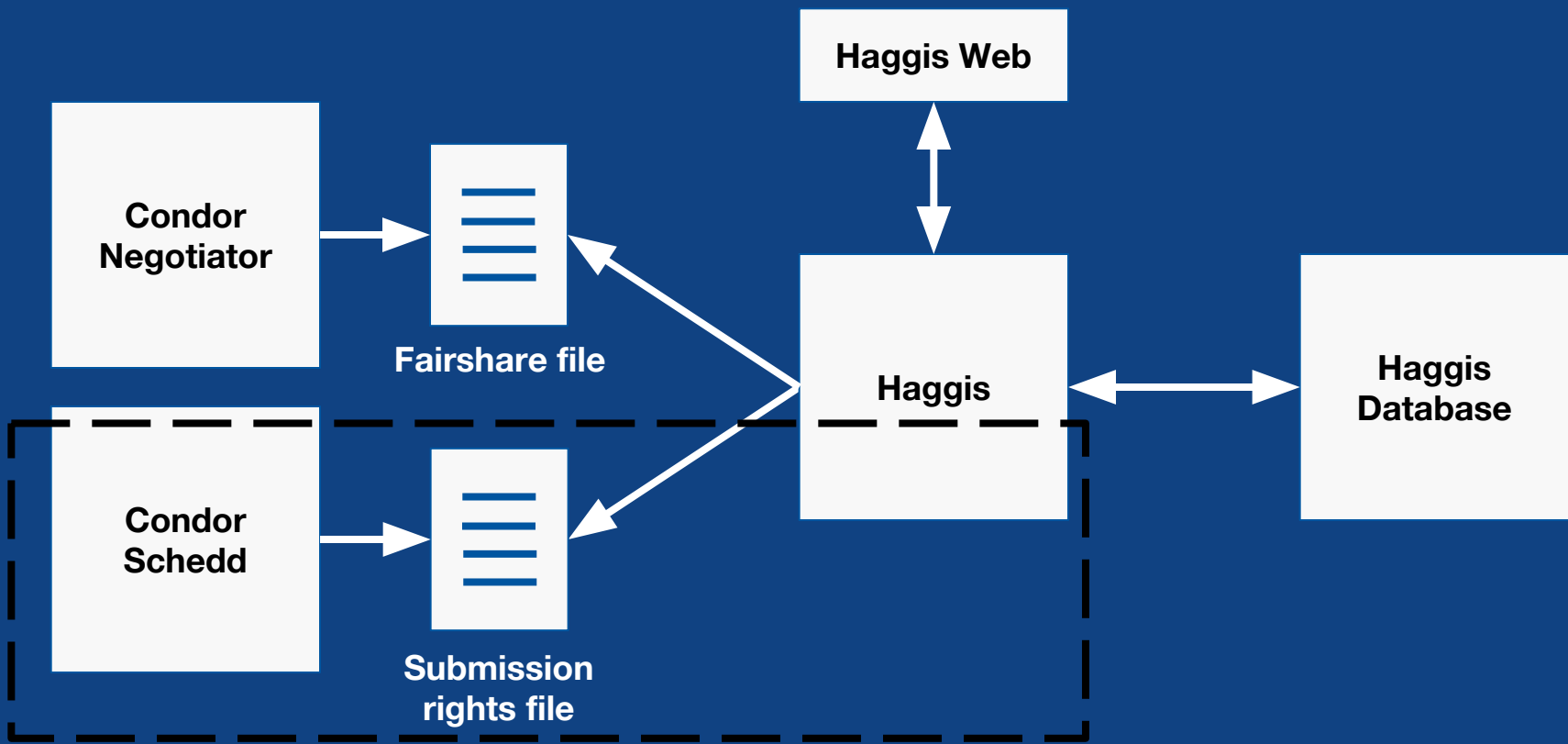


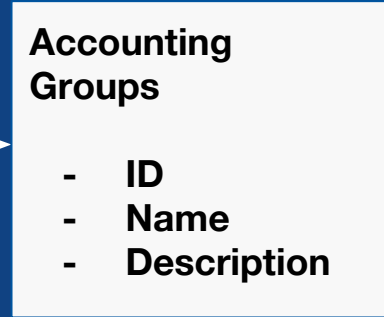
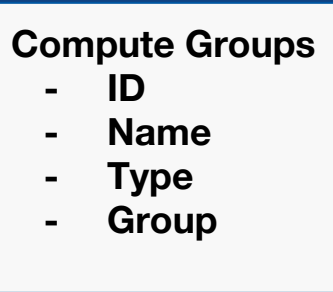




CERN's use case

User mapping

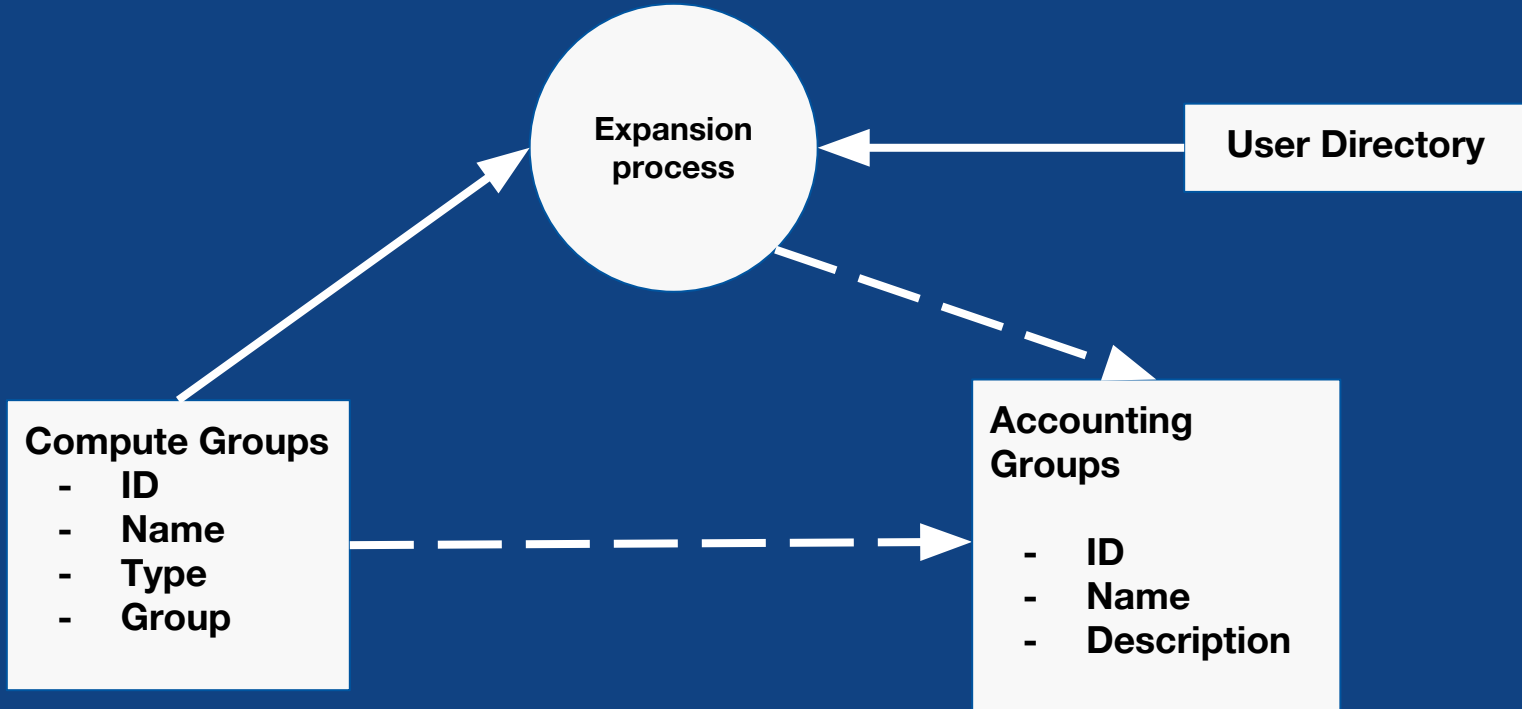


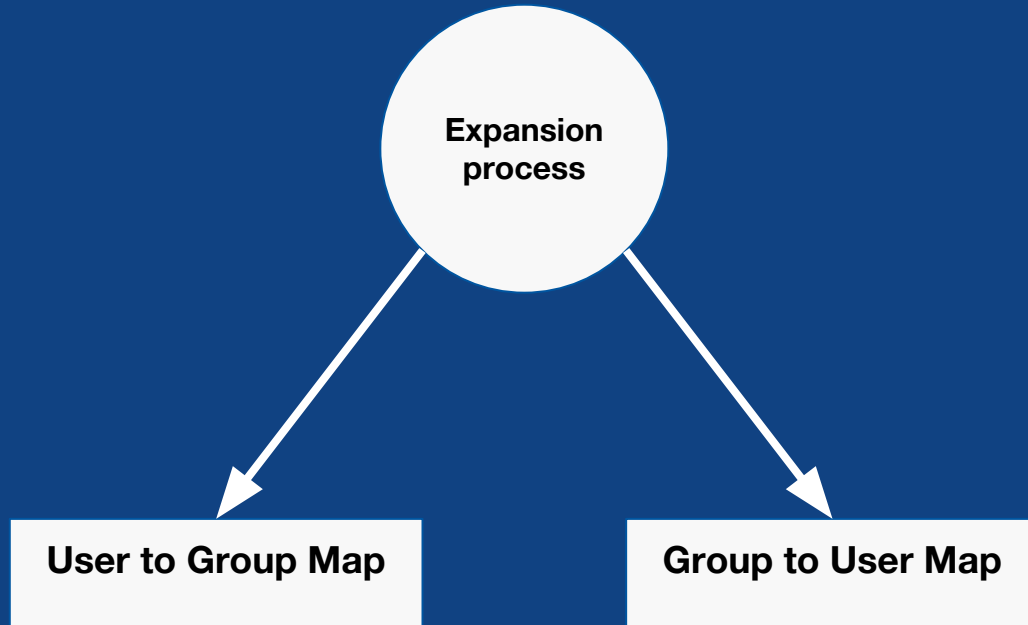


Atlas_users_mailing_list



Group_atlas





CERN's use case

Accounting management

Accounting Groups

- ID
- Name
- Description



Charge Group

- ID
- Name
- UUID
- Type

Pool to Group

- Pool
- Group
- Quota
- ...

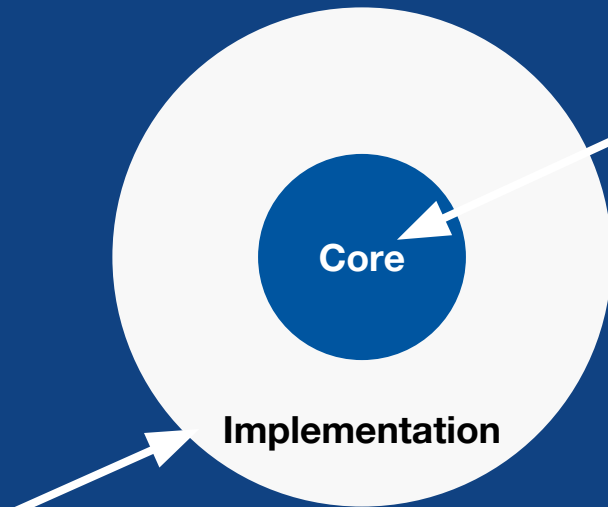


Charge Role

- ID
- Name
- Type
- Pledge

Pluggable architecture

Adapters
Database drivers
Web handlers
Directory connections
Caching
etc...



Domain entities
Data model
Use cases
Business logic

Core layer:

Entities → Business objects with embedded 'enterprise-wide' rules. Validation on creation.

Use cases → Business Logic & Data Model enforcement. Necessary external tools are represented as interface contracts.

Adapters layer:

Repositories → Implementation of storage abstraction interfaces.

Sources → User directory adapters.

Controllers → Input managers calling the use case implementations. Currently web only.

Infrastructure layer:

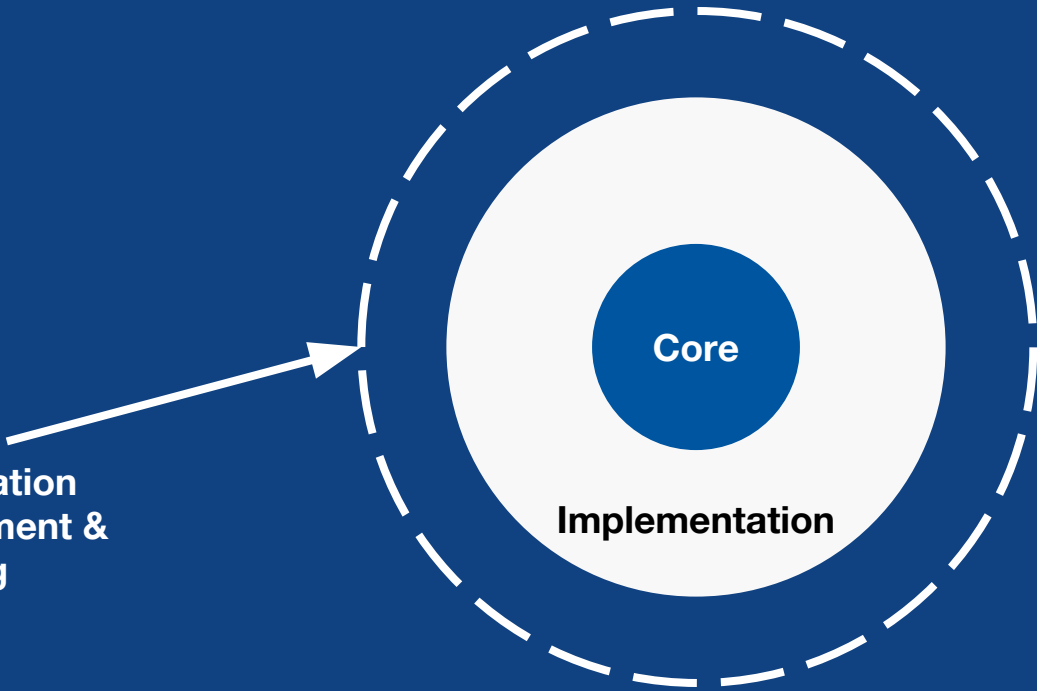
MySQL Driver

LDAP Driver

In-memory cache

HTTP routers & middleware

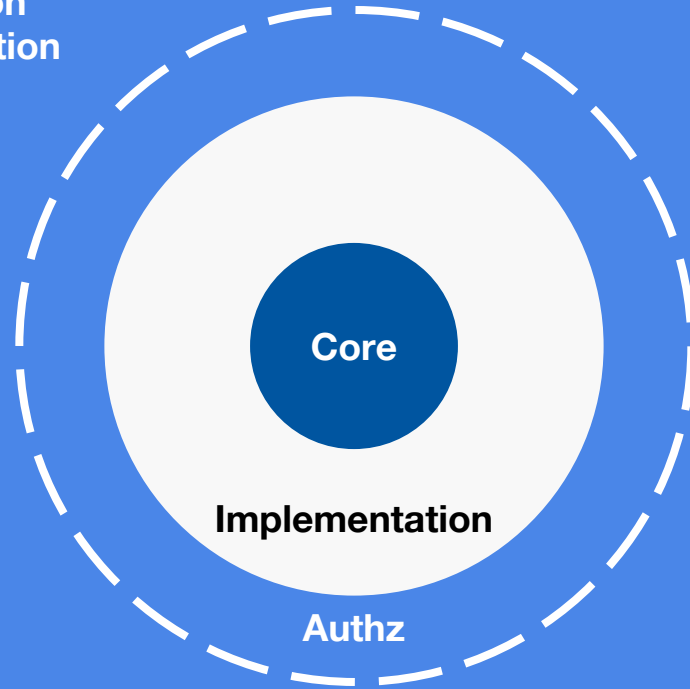
**Authorization
management &
enforcing**



Core

Implementation

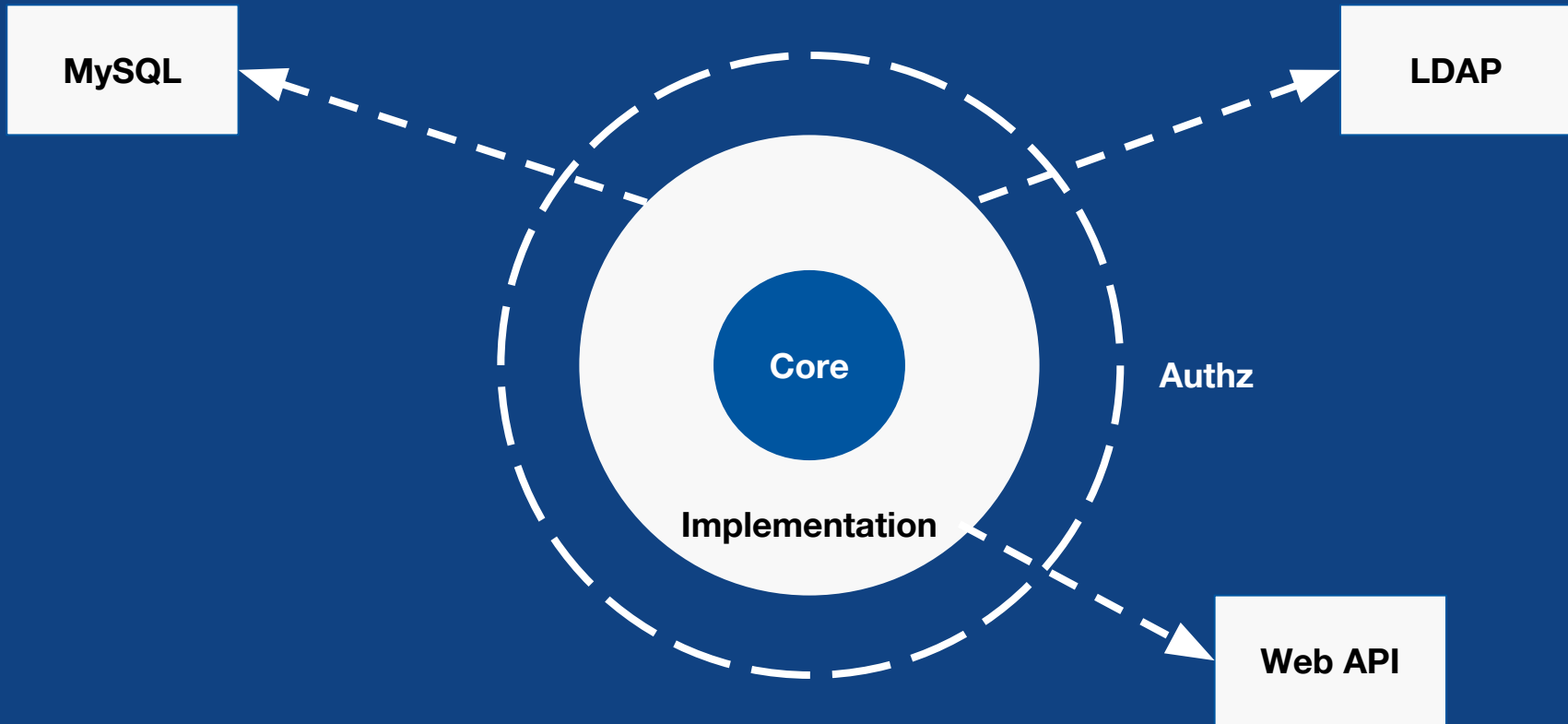
Authentication
SSL Termination

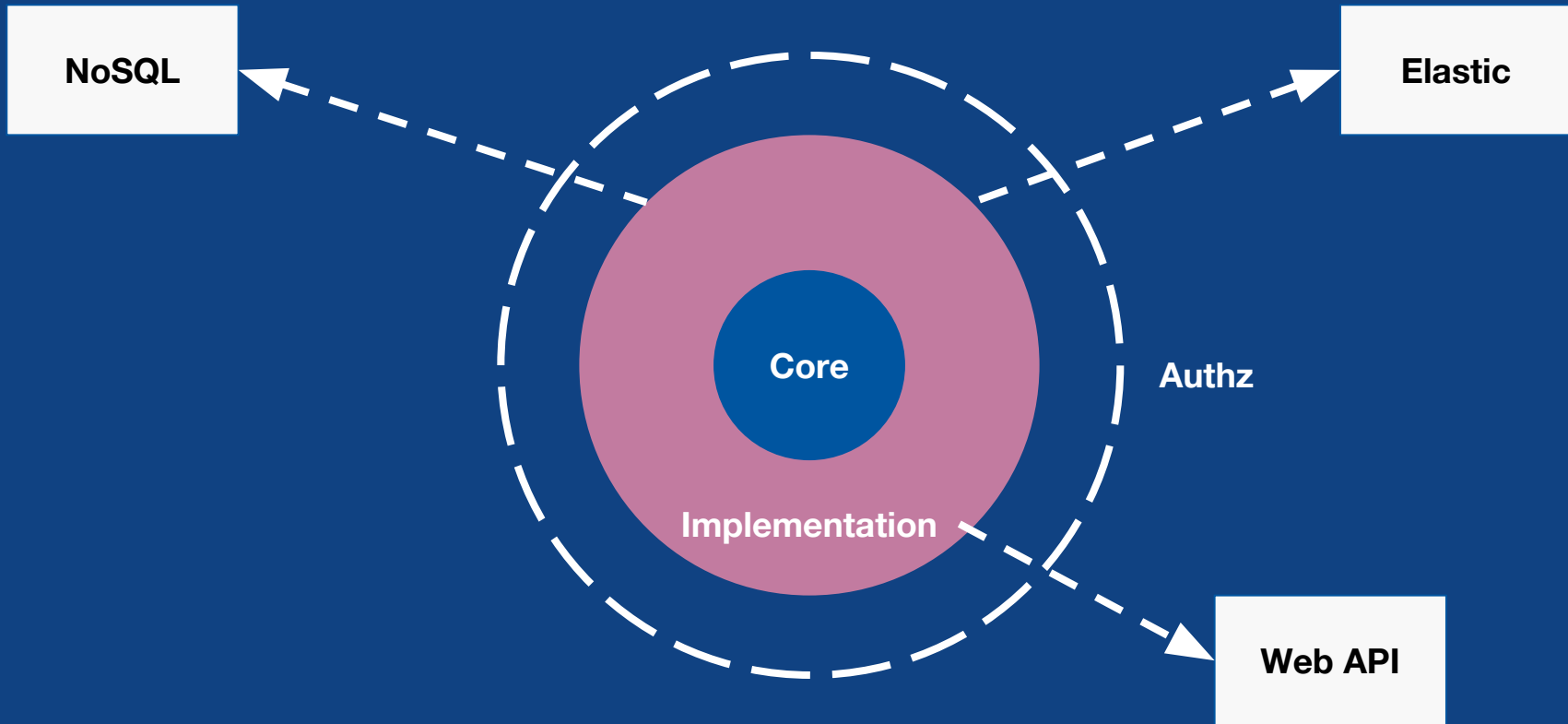


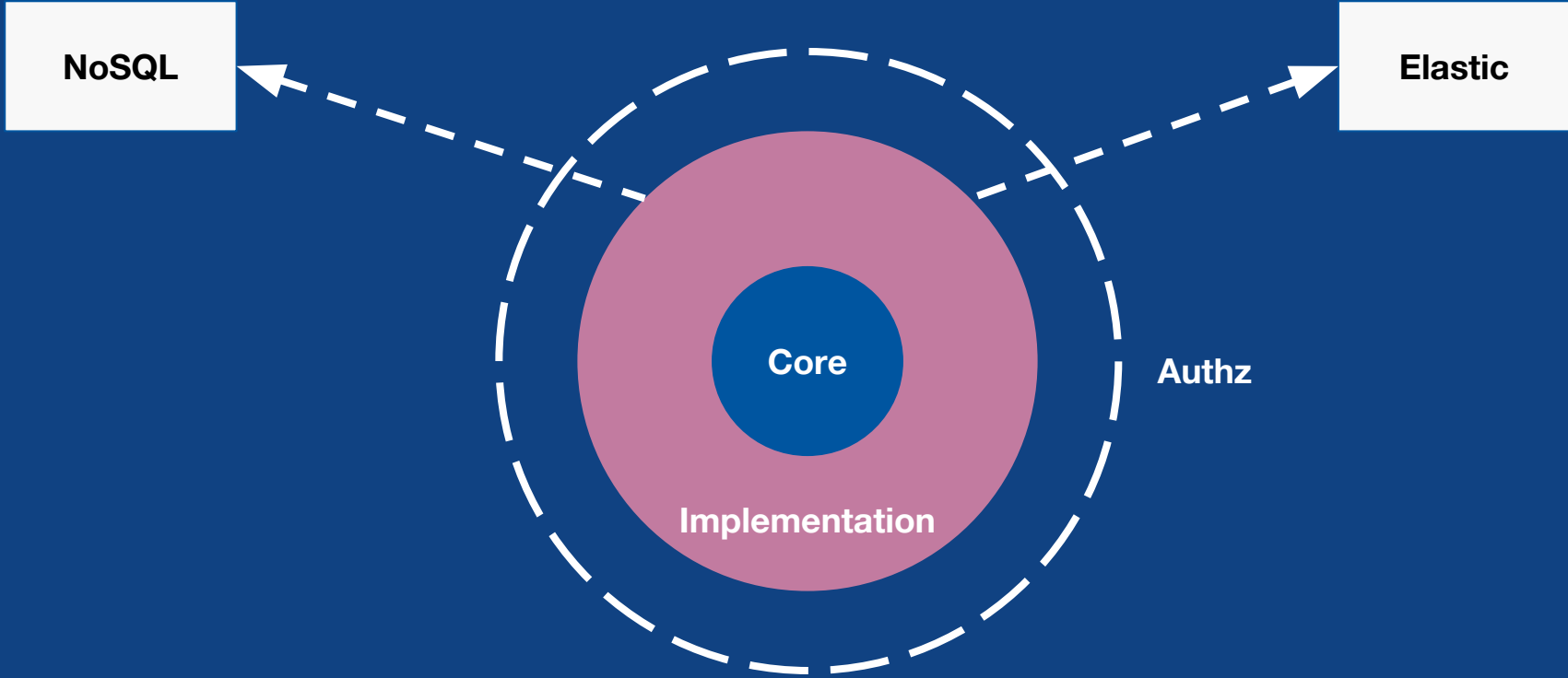
Core

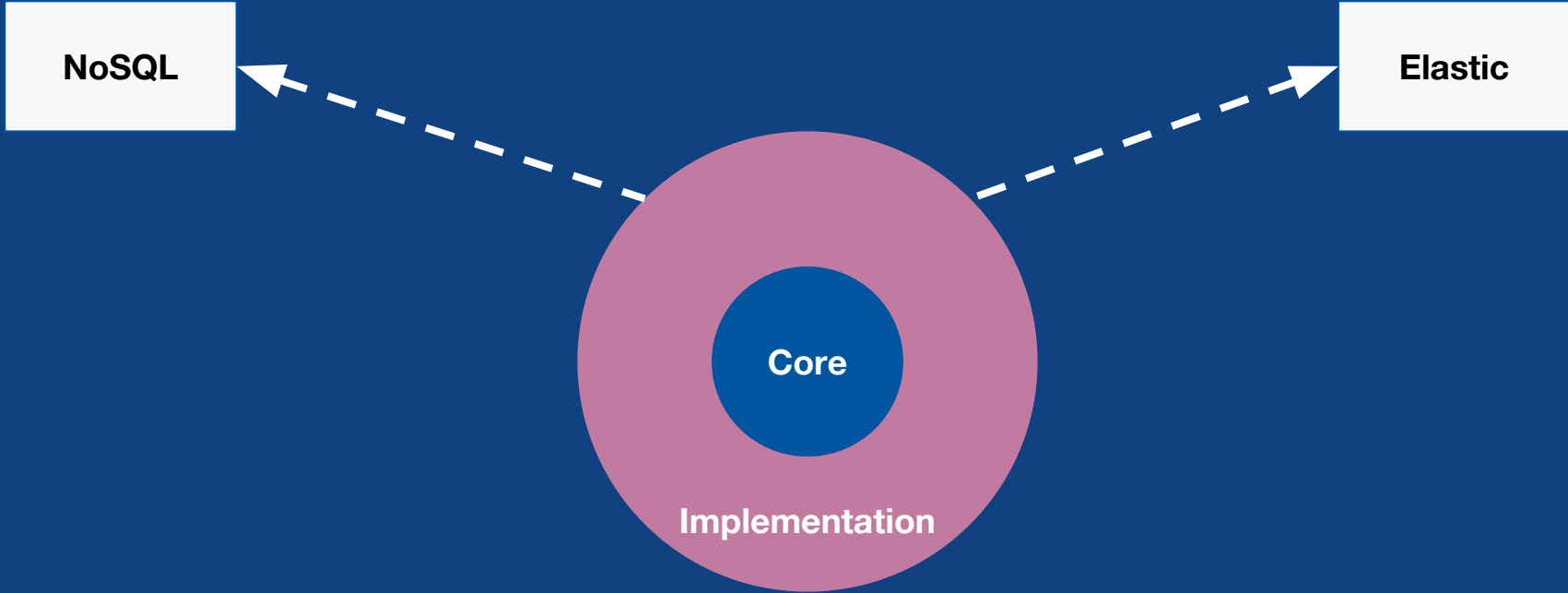
Implementation

Authz









Before we open source

Merci!

Contact the developers:

Nikolaos-Petros Triantafyllidis, ntrianta@cern.ch

Florentia Protopsalti, fprotops@cern.ch



