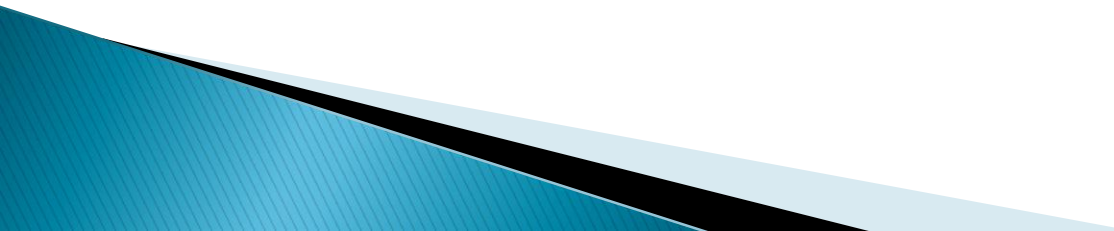


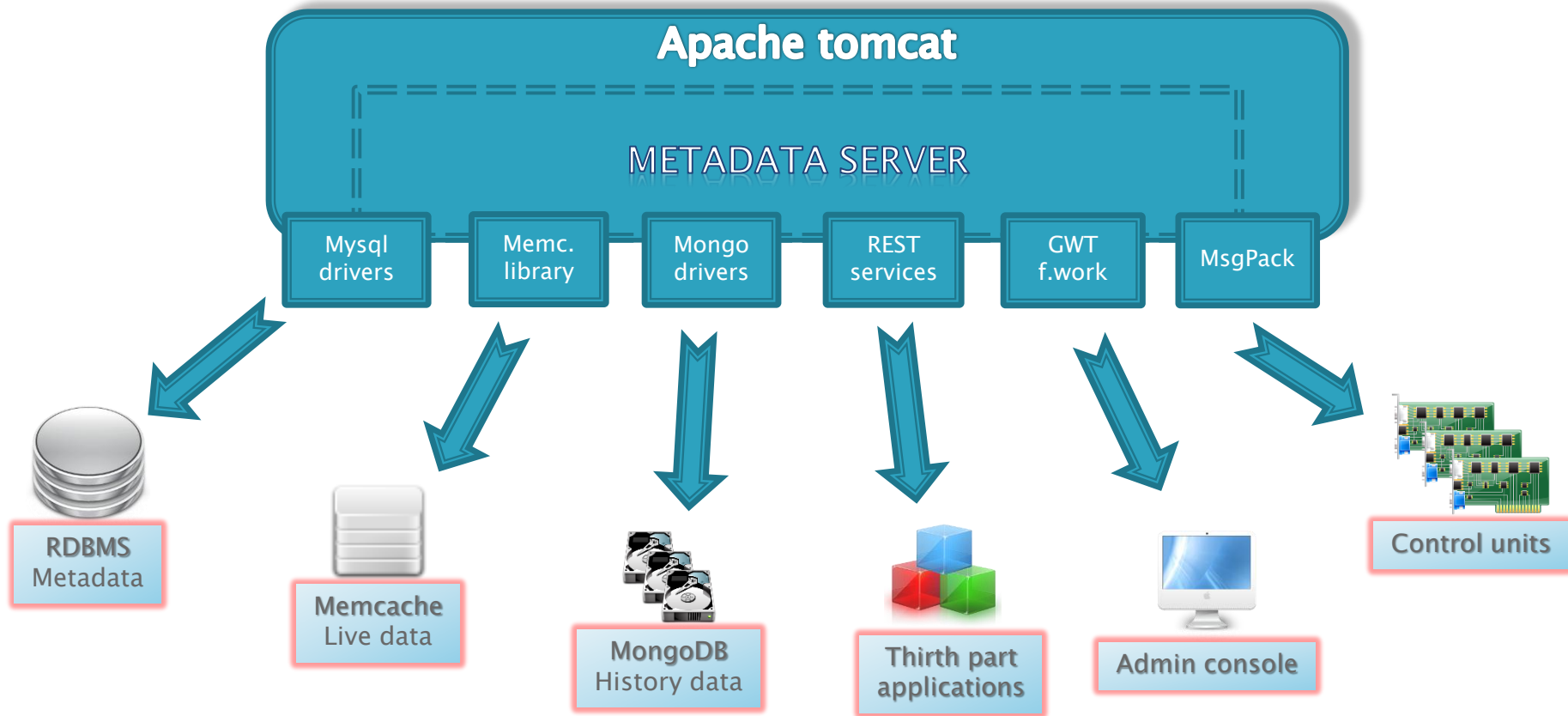
!CHAOS Metadata Server

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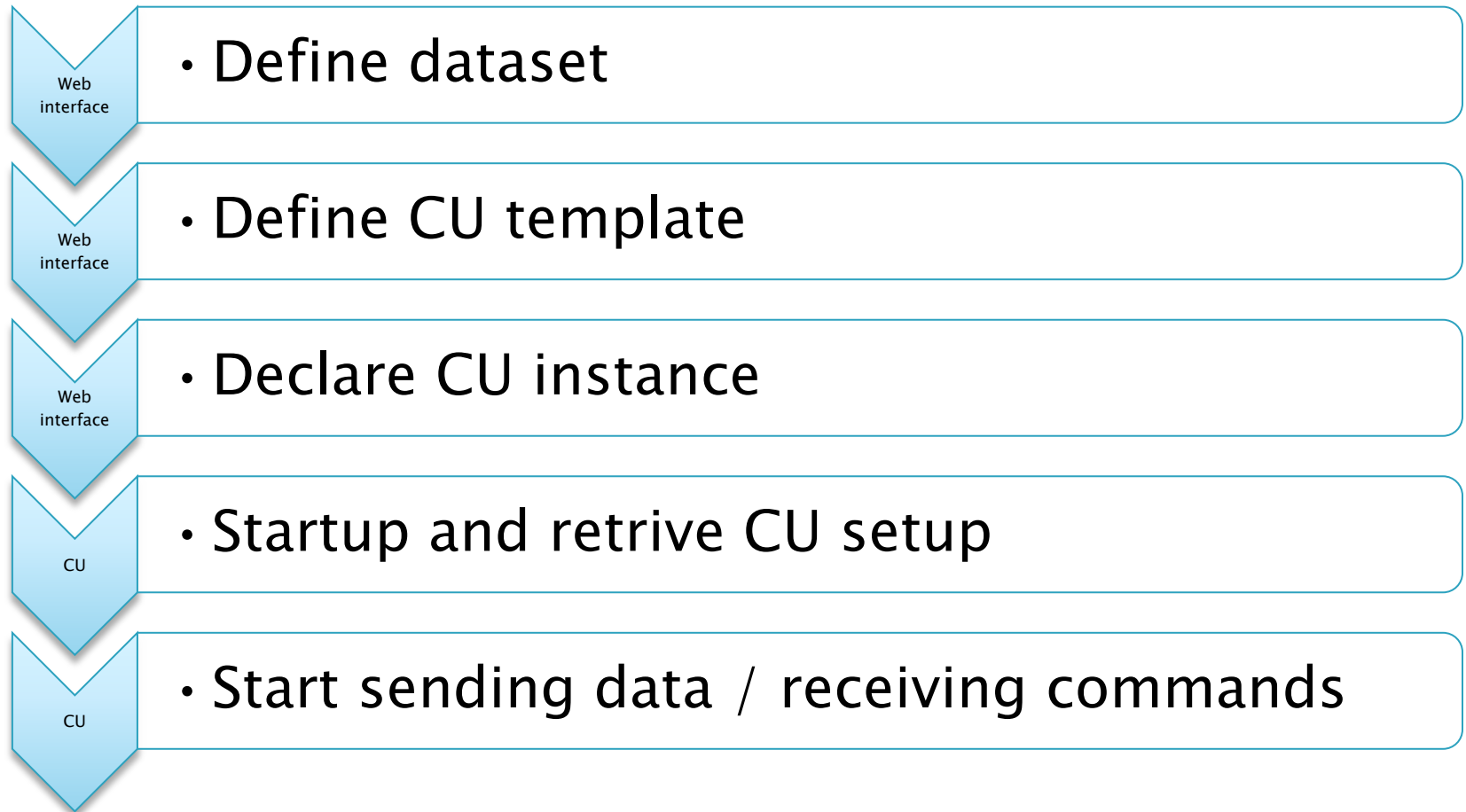
Tasks

- ▶ Manage datasets
 - ▶ Store CU templates configurations
 - ▶ Keep track of CU instantiations
 - ▶ Orchestrate !CHAOS components
 - ▶ Live overview of the !CHAOS infrastructure
- 

Architecture



CU setup process

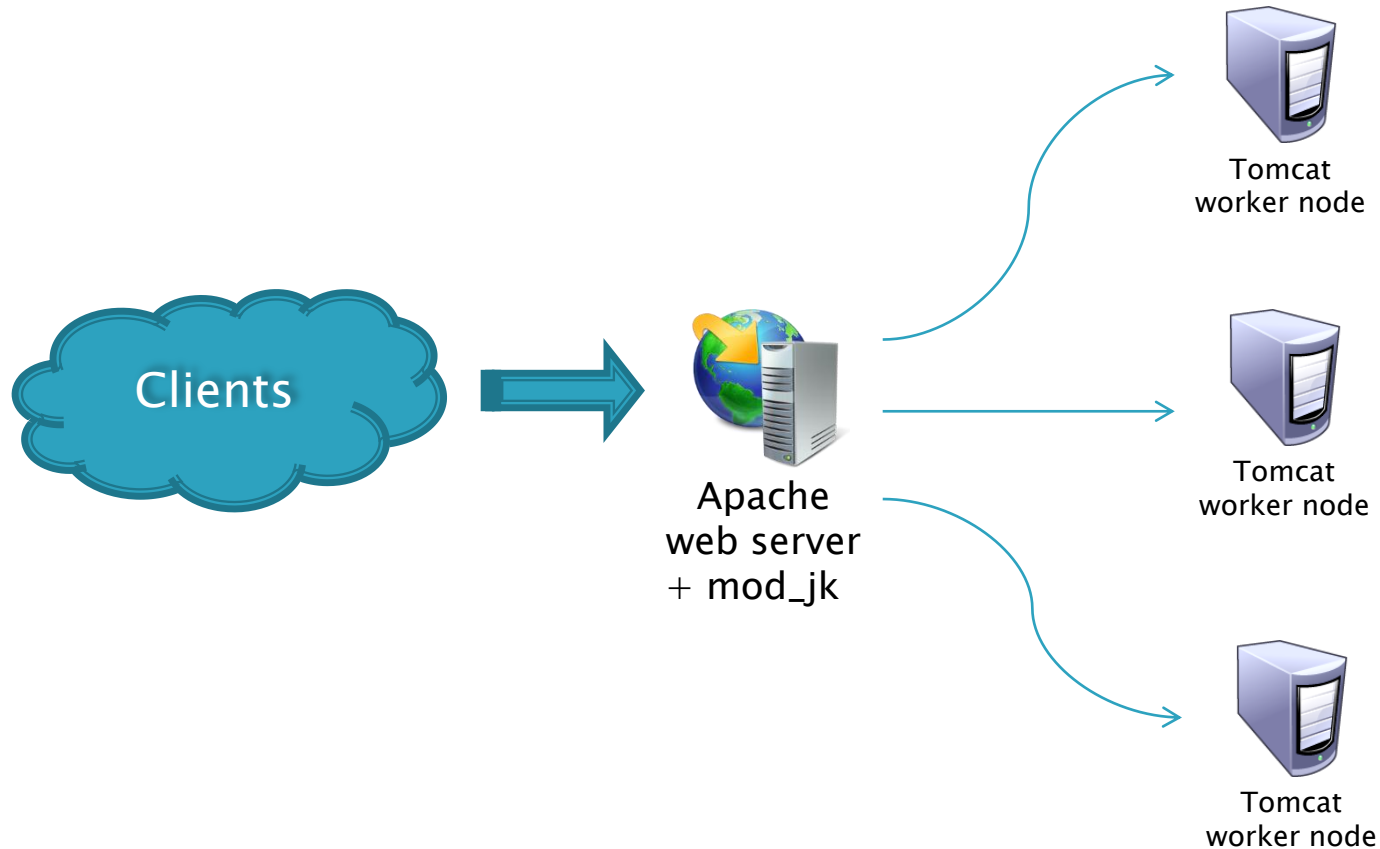


HA and scalability

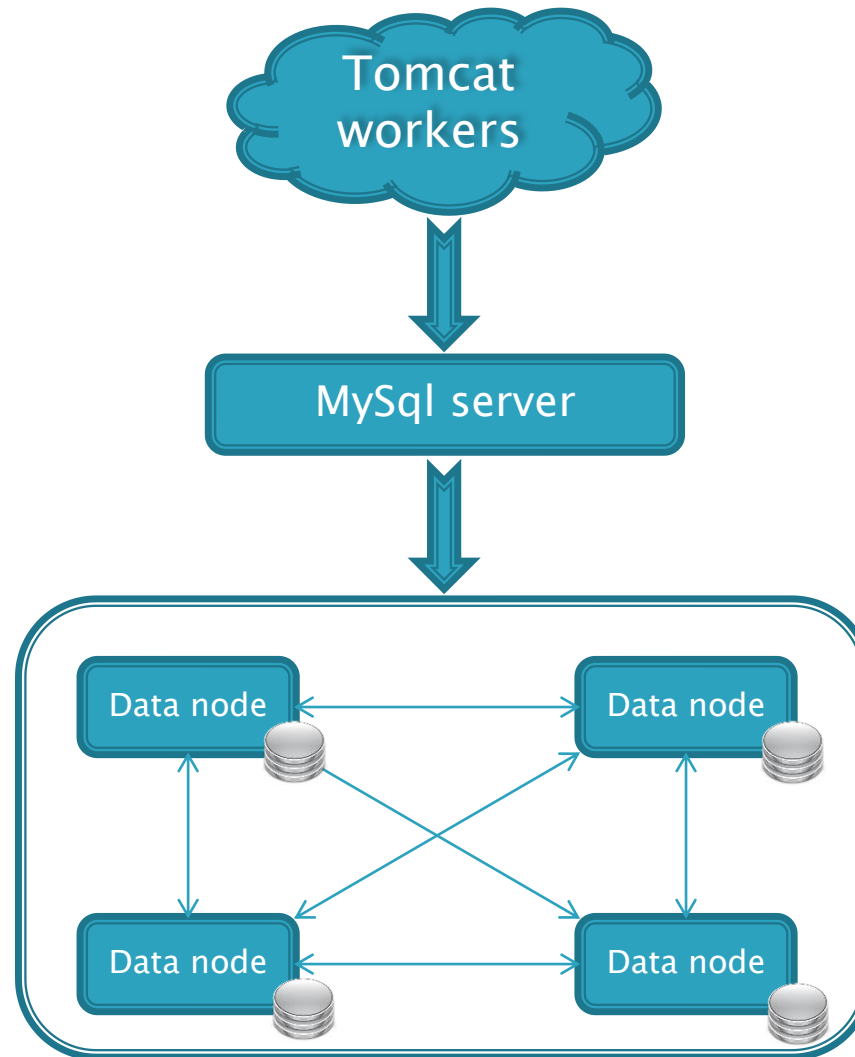
Key factors

- ▶ Use standard technologies...
 - ..that use standards interfaces to communicate
 - ..that already offer HA/clustering out-of-the-box
- ▶ Stateless interaction between components
- ▶ Avoid (as much as possible) single point of failure

Tomcat scalability

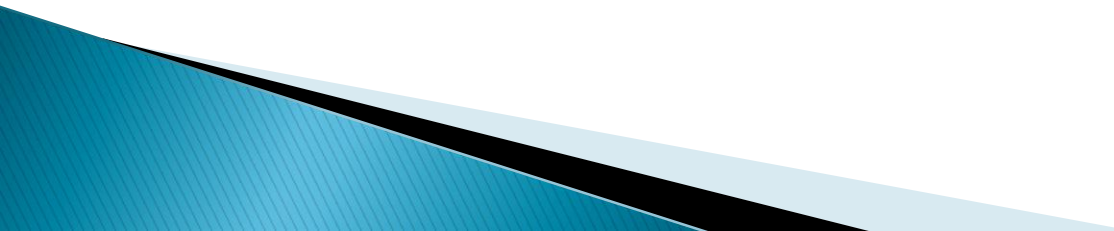


MySQL clustering



Next milestones

(in priority order)

- ▶ DB schema definition
 - ▶ Web interface (GWT) for managing datasets / CU
 - ▶ Basic RPC protocol for CU communication
 - ▶ Global monitoring system
 - ▶ REST services for third part development
- 

Comunity contributions



We are studying the best ways to let comunity contribute !CHAOS project, at the moment Metadata Server open tasks are

- Scalability (tomcat, mysql, apache)
- Interface (GWT expertice in CRUD application)
- Ajax widgets for GWT application
- ...more to come... ☺