

PiCaS client side



Outline

- ❑ PiCaS client overview
- ❑ Software stack
- ❑ Bootstrapping your application

PiCaS client overview

- ❑ Low level library
- ❑ Facilitates communication with CouchDB back-end
- ❑ Convenience classes

Client software stack

- ❑ Python (≥ 2.6)
- ❑ Python [CouchDB module](#)

Modules & classes

❑ Actors

- RunActor: main entry point for application
- Inherit the RunActor class and overwrite the process_token function

❑ Clients

- CouchClient: facilitates communication with CouchDB

❑ Iterators

- BasicViewIterator: fetches & locks tokens which are passed to the Actor

❑ Modifiers

- BasicTokenModifier: used to modify tokens in a uniform way

Bootstrapping your application

- ❑ **Jdl**
 - define job properties
 - In- & output sandbox
- ❑ **Shell script:**
 - Environment variables
 - Runtime environments
- ❑ **Python app:**
 - Communication with token pool server
 - Error handling
- ❑ **Application**