

Computational Services of KR & KM group



Webbased and API-based Access

Outline

- Introduction
- System Presentation
 - Website
 - Client - API/REST
- Frameworks
- Process Pipeline
- Integration of a new System
- Questions

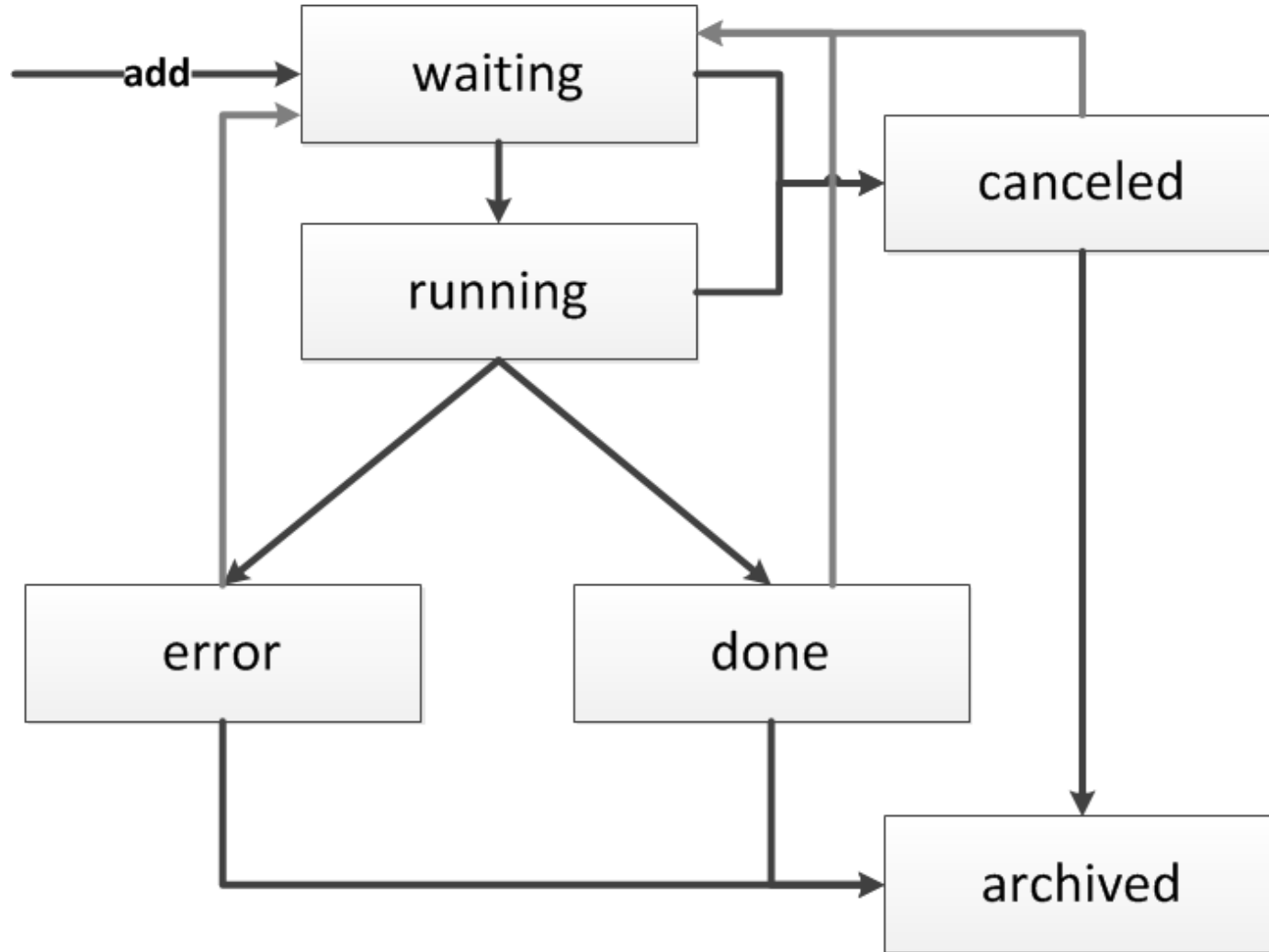
REST API (CODI)

- [http://\[domain\]/api/start](http://[domain]/api/start)
- method: POST
- parameter:
 - source, target, reference, setting
- adds a new process
- returns the id
- [http://\[domain\]/api/process](http://[domain]/api/process)
- method: GET
- id, action [state, log, alignment]
- returns value of action

Frameworks

- Pylons
 - HTTPServer
 - Routing
 - HTML generation
 - programming language: python
- Website
 - HTML, CSS, Javascrip (jQuery, jQuery UI)

Process Pipeline



Integration of a new System (1)

- What we need: a runnable system
 - os requirement: Linux
 - command line access
 - e.g. `java -jar service.jar arg1 arg2`
 - detect absolute path additional files

```
path = new File(Main.class.getProtectionDomain().getCodeSource().getLocation().getPath());  
file = new File(path .getParent() + System.getProperty("file.separator") + filename;
```

Integration of a new System (2)

- What we do:
 - Website
 - create new process
 - process view
 - API access
 - Core
 - add method
 - process class
- What you can do:
 - add different versions of your system

Questions

- Website:
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