

Balanced Banana

Entwurf

Ziele

■ Implementierung von möglichst vielen Features aus dem Pflichtenheft

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- Übersichtlich gestaltete Module

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- Implementierung von möglichst vielen Features aus dem Pflichtenheft
- Übersichtlich gestaltete Module
- Umsetzung von Konzepten aus SWT 1

Architektur

Die Client Anwendung

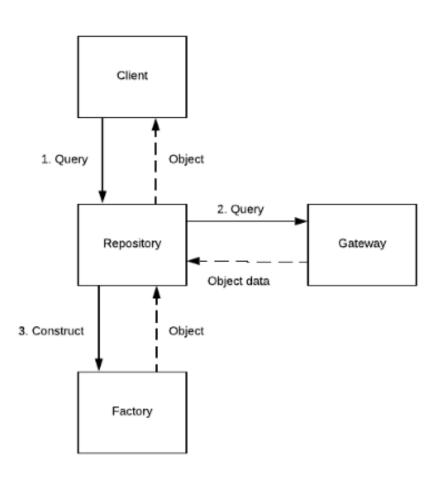
Architektur

- Die Client Anwendung
- Die Server Anwendung

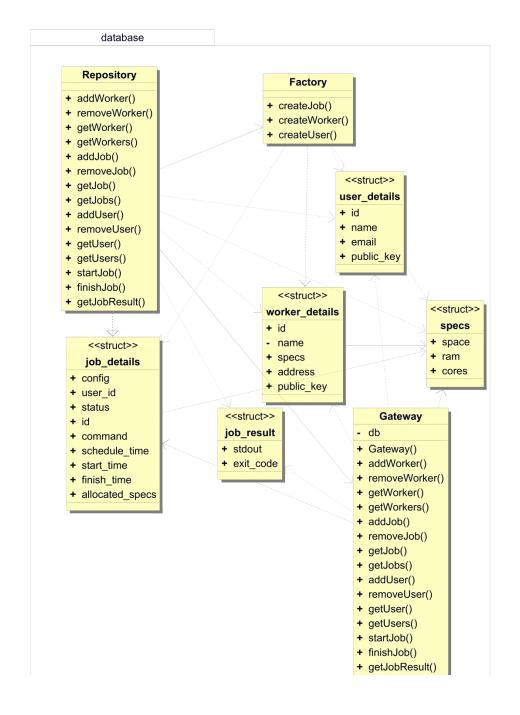
Architektur

- Die Client Anwendung
- Die Server Anwendung
- Die Worker Anwendung

Datenbank



Datenbank



Configfiles

configfiles

JobConfig

- min_ram_
- max_ram_
- min_cpu_count_
- max_cpu_count_
- blocking_mode_
- email
- priority_
- image_
- environment
- interruptible
- current_working_dir_
- + JobConfig()
- + JobConfig()
- + JobConfig()
- + set min ram()
- + set_max_ram()
- + set_min_cpu_count()
- + set_max_cpu_count()
- + set blocking mode()
- + set email()
- + set_priority()
- + set_image()
- + set_environment()
- + set_interruptible()
- + set_current_working_dir()
- + min ram()
- + max_ram()
- + min_cpu_count()
- + max_cpu_count()
- + blocking mode()
- + email()
- + priority()
- + image() + environment()
- + interruptible()
- + current working dir()
- + Save()
- + Serialize()
- + Merge()

SchedulerConfig

- values_
- + SchedulerConfig()
- + SchedulerConfig()
- + count()
- + Set()
- + Get()
- + Clear()
- + Save()
- + Contains()

<<enum>>

Priority + low

- + normal
- + high
- + emergency

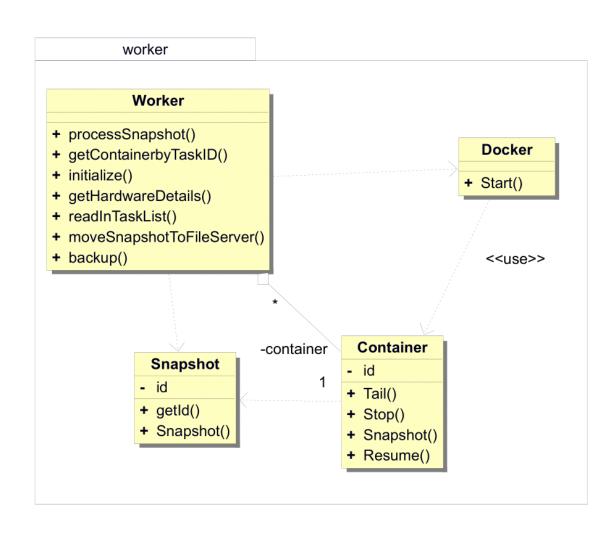
CommandLineProcessing

CommandLineProcessor + process(argv : char**, argc : int*) : Task - preProcess(argv : char**, argc : int*, task : std::shared_ptr<Task>) - processArguments(argv : char**, argc : int*, task : std::shared_ptr<Task>) Task - taskCommand : std::string - type : int + getType() : int + setType(type : int) : void + getConfig() : balancedbanana::configfiles::JobConfig + getTaskCommand() : std::string + setTaskCommand(taskCommand : std::string) : void

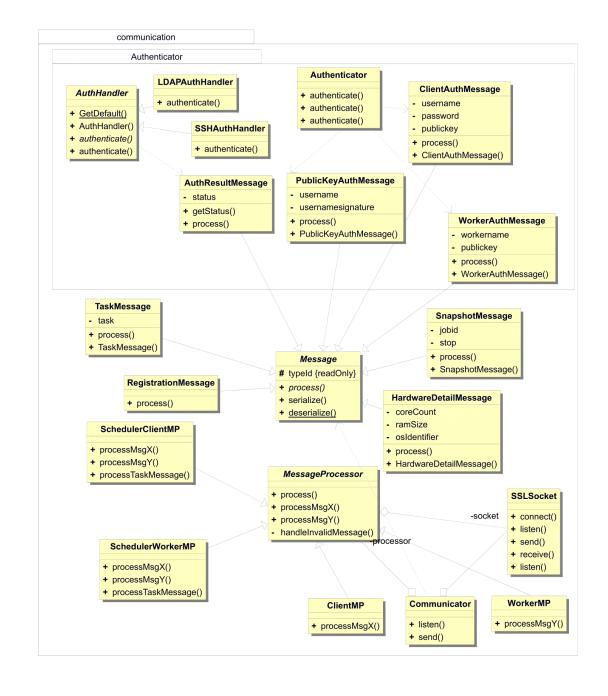
Client

Client + main(argv : char**, argc : int*) : int + snapshot()

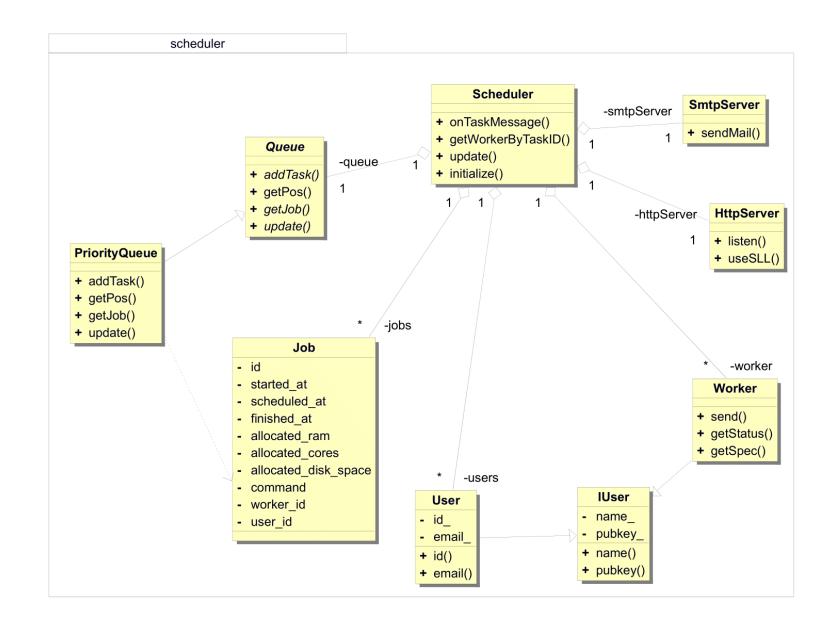
Worker



Communication



Scheduler



TimedEvents

