

## Jiskefet

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Huynh, Misha  
Rigot, Ramon Gill

## Voortgang Jiskefet

Huidige situatie

Laatste sprint

## Scientific Programming

Architecture &  
Development

Documentation

Requirements

Testing

# Jiskefet

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# CERN trip

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- Version 0.1 released
- CERN SSO
- Logging
- Testing
- Jenkins CI

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- General
  - Config/environment variables validation
- Front end
  - Atomic design
  - Redux
  - Testing
- Back end
  - Standardize endpoints
  - CERN SSO Logout
  - More testing
- Deployment
  - Reduce the manual steps required to deploy the CI server

# Demo

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Demo link

# Architecture & Development

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## Reproducible Scientific Computing Environment with Overlay Cloud Architectur

■ **Currently we are able to implement:**

# Architecture & Development

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## Reproducible Scientific Computing Environment with Overlay Cloud Architectur

- **Currently we are able to implement:**
  - 1 Container technology

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## Reproducible Scientific Computing Environment with Overlay Cloud Architectur

- **Currently we are able to implement:**
  - 1 Container technology
  - 2 Automated deployment

# Documentation

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## A Practical Method for Documenting Software Architectures

- Adopting a view-based approach to documentation, and then following that approach with discipline.
- Documentation in Git repository is done by adding a README.md file per folder that needs explanation.

# Requirements

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# Continuous Integration

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## ■ Achieved goals

- separate Jenkins CI server
- linting with Jenkins
- testing with Jenkins (back end)
- codecov reports with Jenkins

## ■ To do

- snapshot testing (front end)
- higher codecov (greater than 80%)

# Test Automation Swarm Intelligence

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- Search Based Software Testing and Bee Colony Optimization
- Explorers and workers
- Intensification and diversification strategy