**JFE Design Doc**

**Components**

*Clients*

End User (Job submission)

JCS \* (Job passing) (x)

*Server*

JAP (Authentication & Authorization)

Computing Facility (Data & Computing)

**Procedure**

End User ---------------> JIRIAF ---------------> Computing Facility

Authentication

**Job Queue**

- job ID

- container

- token

- cpu

- gpu

- mem

- disk

- workflow type

Data Req

Container

Container

Message

Authentication\*

**Concept**

Container: Executable

Dependency

Data

Data Request

Message: Token

# CPU

# GPU

# Memory

# Disk Space

**Schedule**

1. Authentication
   1. Local simulation ( Rucio / OSGE )
   2. Implementation on server
2. Job Queue
   1. Self-learning ( MariaDB ? )
   2. Consult with Chris
   3. Implementation on server
3. Web Front End
   1. HTML + Javascript ( JavaFx / NodeJS )
   2. GUI improve