

# Documentation

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## Working with HPC environment

- Obtaining Certificate from NCSA CA
- How to submit Job at hallasan.kisti.re.kr (KISTI HPC)
- How to submit Job at TeraGrid

## Working with PTPFlow

- Running CFD code with PTPFlow

## Developer Documentation

### Architecture & Software Development

#### Architecture Version 1.0

KNSG Architecture Version 1.0

#### Architecture Version 2.0

Core Framework and Ontology

User Interface and Analysis Framework

REST API documentation

#### Software Development

Setup Cyberintegrator Development Environment

Setup KNSG Development Environment

Creating a New Application

UI design

Web App: eAirs Mock Up by KISTI

Web App: Updated eAirs Mock Up by KISTI (V2.2.1)

Eclipse RCP app: eAIRS 0.1 Mockup

#### eAIRS related

2D solver metadata

Solver filters (in Korean)

#### Deployment

Installing PTPFlow from RCP Application

Deploying PTPFlow middleware

Setting up Cyberintegrator Server

Setting up Semantic Content Repository

Setting up Semantic Content Repository Server

Setting up NFS between webserver and semantic content repository

## User Documentation

- eAIRS RCP Tutorial