Usage of France-Asia distributed infrastructure by TREND
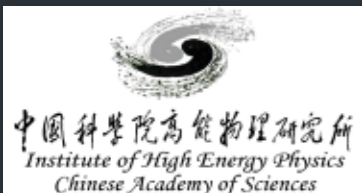
Status and Plans

Fabio Hernandez

fabio@in2p3.fr

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Institute of High Energy Physics
Chinese Academy of Sciences

CCIN2P3

Context

- France-Asia virtual organization deployed for enabling (small) experiments to use a highly distributed infrastructure

  framework of the France-China, France-Japan and France-Korea international particle physics laboratories (F*PPL)

- Sites contributing computing resources and associated services

  China: IHEP

  France: CC-IN2P3

  Japan: KEK

  Korea: KISTI

- TREND needs to perform a simulation campaign that can benefit from this platform

Status

- TREND is getting ready the software that will be used for this campaign

- Individuals are requesting certificates (both to IHEP and CNRS certification authorities) and configuring their working environment

  some of them already delivered

- Individuals are being registered as members of the France-Asia VO and as users of the instance of DIRAC operated by CC-IN2P3 for France-Grilles

  warm thanks to Vanessa and Yonny for their support in this process

Status (cont.)

- We are writing some end-user documentation needed for TREND users to get started using DIRAC for managing their jobs

- The TREND-specific job wrapper is being prototyped and tested on the available execution sites

- Data produced by the simulation jobs will be sent to iRods @ CC-IN2P3 for permanent storage

Next steps

- A second instance of DIRAC is being deployed at IHEP

  one already exists and is dedicated for the needs of the BES-III experiment

- This new DIRAC instance will allow not only for job execution at grid sites but also for exploiting the volunteer computing infrastructure operated by IHEP, a.k.a. CAS@HOME

  the goal is to made possible the execution of jobs managed by DIRAC on volunteered computers

- TREND will use any instance of DIRAC that supports the France-Asia VO

Questions & Comments