EOSCpilot
www.eoscpilot.eu

PROMINENCE

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Cloud Computing
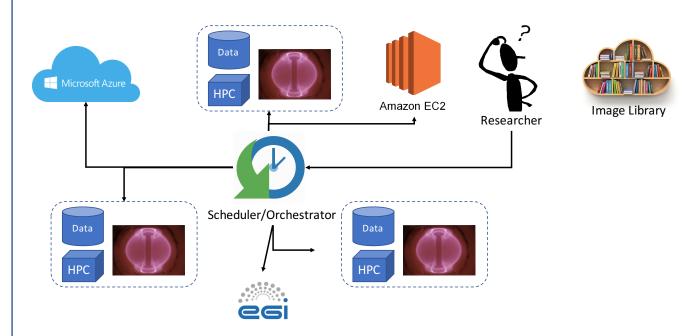HPC, Capacity,
Docker, Consistency

CCFE
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PROMINENCE - Cloud Bursting for Fusion (and others)

The Problem

- How to make use of **academic and public clouds** for **HPC Applications**
- How to extend small scale on-prem HPC facilities to cope with **bursty** workloads
- How to get the **same result** wherever you run

The Goals

- Test small scale HPC class codes on **EGI FedCloud** using Docker containers
- Test both **remote access** to data and embedded data within container
- Test running application on **Azure** and/or **AWS**
- Make local **HPC class nodes available** through EGI FedCloud

Microsoft Azure

Data
HPC

Amazon EC2

Researcher

Image Library

Scheduler/Orchestrator

Data
HPC

Data
HPC

EGI