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SIMPLE Grid - Development

This TWiki contains resources for current developers and/or interested developers of SIMPLE Grid project.

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SIMPLE Grid Project Specification

The SIMPLE Grid specification document describes various components or lightweight elements and their functions. It also provides details on the control pipelines that manage how these components should work together to implement a WLCG site.

The following GitHub Wiki page is where the latest specification is maintained: [SIMPLE Grid Specification](#).

List of Misc. Framework Components

Project Name	Description	Maintainer/s	Links
SIMPLE Grid YAML Compiler	Pre-process site level configuration file to decipher variables, overrides, default values etc.	Mayank Sharma Tarang Mahapatra	Code , Wiki
Configuration Validation Engine	Validate that configuration requirement of component repositories are met by information in Site-Level Configuration File	Panos Papparigopoulos Mayank Sharma	Code , Wiki
SIMPLE Grid Puppet Module	Central Configuration Manager written in Puppet	Mayank Sharma	Code , Wiki
SIMPLE Grid Ansible Module	Central Configuration Manager written in Ansible	Tarang Mahapatra Mayank Sharma	Code , Wiki

List of Component Repositories

Component Name	Component Type	Technology Keywords	Maintainer/s	Links
Cream Compute Element and Torque Batch System	Component Repository: Compute Element + Batch System	CreamCE, Torque Batch System	Mayank Sharma	Code , Wiki
Torque Worker Node	Worker Node	Torque Client	Mayank Sharma	Code , Wiki

Technical Roadmap and Release Planning

[SIMPLE Grid Technical Road Map](#)

Contribute

The SIMPLE Grid Framework is capable of supporting any WLCG Service that can be put in a container. Essentially a new Github repository that contains a Dockerfile and some configuration files (that tell the framework about how to run the container), is enough to make a WLCG Service deployable using SIMPLE

Grid Framework.

If you'd like to help support more Grid Components (like ARC, Slurm, HTCondor or storage services etc.), please do get in touch using any of the Communication Channels mentioned below.

If you'd like to help improve any of the existing repositories mentioned above, please contact the maintainers directly.

Communication Channels

Mattermost Channel [↗](#) : For SCRUM meetings/ Instant Messaging

Web Forum [↗](#): The primary discussion forum for developers, site admins and all open source efforts

Technical Discussion List [↗](#): Mailing List for more technical discussions regarding the project.

-- MayankSharma - 2018-07-02

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