EGI-InSPIRE

UMD CLIENT QUALITY CRITERIA v3 DRAFT 1

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Abstract

This document describes the Quality Criteria for the Client Capabilities of the UMD distribution must meet.

Document Log

Issue	Date	Comment	Author/Partner
2 DRAFT 1	15/02/2011	Preparation of new release	Enol Fernández
2 DRAFT 2	01/07/2011	Update of client criteria	Enol Fernández
2	02/08/2011	Release of criteria	Enol Fernández
3 DRAFT 1	13/10/2011	First draft of release 3	Enol Fernández

TABLE OF CONTENTS

1 CLIENT TOOLS

1.1 Generic client tools criteria

Command line options coherency	
ID	**CLIENT_TOOLS_1**
Description	Client commands for the same product should have a coherent set of options.
Mandatory	NO
Applicability	Client Tools

Input from Technology Provider	Client command tools for a given product with coherent options between them (e.g. configuration file is always specified with –c option, vo with –vo option) Ideally, coherency with other product command line clients.
Pass/Fail Criteria	All the command tools for a given product must have a coherent command line options. Semantically common options for two commands must have the same syntax.
Related Information	Requirement #1780
Revision Log	

Error Messages	
ID	**CLIENT_TOOLS_2**
Description	Error messages provided by the service should be clear and facilitate the solution of those errors by users or service administrators
Mandatory	NO
Applicability	Client tools.

Input from Technology Provider	Any error in the client tools must produce a clear error message. A possible solution/cause for it should be given.
Pass/Fail Criteria	Pass if the errors provided by the client tools always produce a descriptive message. Errors without any message (unless a quiet option is specified) will make the criterion to fail. Ideally the following info is also documented/shown for all errors: • Error code • Error source (internal module or remote resource (specify it explicitly)) • Cause of error (syntax error, module malfunctioning, configuration problem, network error, other (specify it explicit)) • Type (critical, informative) • Possible solution
Related Information	Requirements gathered in MS305 related to resubmission of jobs, and information provided in error messages.
Revision Log	

2   CLIENT API

SAGA API Support	
ID	**CLIENT_API_1**
Description	Client Appliances should be "SAGA compliant" implementations of the SAGA API
Mandatory	YES
Applicability	Client API Appliances

Input from Technology Provider	A Client API Capability implementations that follows the SAGA API specification, and the language binding(s) for its respective programming language(s), both syntactically and semantically.
Pass/Fail Criteria	The Client API Appliance provides "SAGA compliant" implementations or "partially SAGA compliant" implementations as defined in the SAGA API specification.
Related Information	SAGA API [R 2]
Revision Log	

Middleware Bindings	
ID	**CLIENT_API_2**
Description	TP should provide middleware bindings for accessing their products through the Client API
Mandatory	YES
Applicability	Client API Appliances

Input from Technology Provider	SAGA-adaptor for accessing the middleware products provided by the TP. A test-suite that assures that the SAGA-adaptor works as expected should be provided.
Pass/Fail Criteria	The SAGA-adaptor allows the access to the TP middleware through the SAGA API.
Related Information	SAGA API [R 2][R 3]
Revision Log	

3 REFERENCES

R 1	UMD roadmap: https://documents.egi.eu/public/ShowDocument?docid=100
R 2	SAGA-CORE-WG: A Simple API for Grid Applications (SAGA) v1.0 (GFD.90)
R 3	SAGA (A Simple API for Grid Applications): http://saga.cct.lsu.edu/