VISHNU - TMS - Web Services Interface - Tests report

COLLABORATORS			

	TITLE : VISHNU - TMS - Web Services Interface - Tests report		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY	Daouda Traoré, Eugène Pamba Capo-Chichi, Kevin Coulomb, and Ibrahima Cissé	January 18, 2012	

REVISION HISTORY			

NUMBER	DATE	DESCRIPTION	NAME
1	24/03/2011	Deliverable version	K. COULOMB
2	18/01/2012	Add tests for automatic submit a job, list jobs on all machines and list batch jobs (jobs submitted through VISHNU and out of VISHNU)	D. TRAORE

Contents

1 Acronyms

WS : Web Services

OS : Operating system

2 Environment for the WS tests

Test type	WS functional Test
Database used	PostgreSQL 8.4
JBOSS used	JBOSS Application Server v5.1.0 and JBOSS-WS CXF v3.3.1
Author of the test code	K. Coulomb and D. Traore
Author of the report	K. COULOMB and D. Traore
OS used to test	Ubuntu 10.04
Cmake	V2.8
gcc	V4.3.3
DIET	V2.6.1

3 Tests methodology

The WS tests are made using **JUnit** framework. They are based on a subset of the test scenarios described in the UMS test plan (reference D2.1b). The objective of these tests is to confirm that the service is executed without exception in a normal case, and to confirm the right exception is raised in an exception case.

The tests qualified as "simple" on a given functionality of the UMS module correspond to a functional test of the main scenario without optional parameters. The tests of the optional parameters have been already done for the C++ API on which this WS interface is directly based.

4 Results

Date	Test description	Command(s) tested	JUnit Success
13/05/11	Simple submit job	submitJob	OK
13/05/11	Simple get job info	getJobInfo	OK
13/05/11	Simple list job	listJobs	OK
13/05/11	Simple list queues	listQueues	OK
13/05/11	Simple getJobProgress	getJobProgress	OK
13/05/11	Simple get completed jobs output	getCompletedJobsOutput	OK
13/05/11	Simple cancel	cancelJob	OK
13/05/11	Unfinished job to get output	handling exception	OK
18/01/12	Simple automatic submit job	submitJob	OK
18/01/12	Simple automatic submit job with minimum total jobs load criterion option	submitJob	OK
18/01/12	Simple automatic submit job with minimum running jobs load criterion option	submitJob	OK
18/01/12	Simple submit job with automatically queue option	submitJob	OK

18/01/12	Simple list jobs on all machine	listJobs	OK
18/01/12	Simple list jobs with batch jobs option	listJobs	OK
18/01/12	Simple list jobs with batch jobs option and a given job id	listJobs	OK
18/01/12	Simple list jobs with batch multiStatus option	listJobs	OK