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SAM to Nagios migration of sensors/tests - ALICE

The page concerns migration of ALICE sensors and tests that are making use of SAM submission/execution framework.

Goals

- migrate all tests in SAM ALICE CE and VO-box sensors to Nagios based monitoring framework
 - ◆ make tests Nagios compliant
 - ◇ using special wrappers from org.sam framework
 - ◇ rewriting tests from scratch
- integrate migrated tests into the Nagios based monitoring framework
- Result:
 - ◆ all ALICE SAM tests using SAM submission framework migrated
 - ◆ RPM with the tests released and put into egee-SA1 repository
 - ◆ migrated tests integrated into new Nagios based monitoring framework

Planning

Two sensors to be migrated:

- CE
 - ◆ one proxy
 - ◆ CE-sft-job - Role=lcgadmin; 2 tests on WN; no dependency between tests on WN
- VO-box
 - ◆ one proxy
 - ◆ six tests

During integration account for test->metric name changes. Eg.:

SAM test	Nagios check
CE	
CE-sft-job	org.sam.CE-JobState (UI/Nagios)
CE-sft-vo-swdir	org.sam.WN-swdir (UI/Nagios/WN)
CE-sft-softver	org.sam.WN-SoftVer (UI/Nagios/WN)
VO-box	
VOBOX-PM	org.alice.VOBOX-PM
VOBOX-DPD	org.alice.VOBOX-DPD
VOBOX-PR	org.alice.VOBOX-PR
VOBOX-PSR	org.alice.VOBOX-PSR
VOBOX-SA	org.alice.VOBOX-SA
VOBOX-UPR	org.alice.VOBOX-UPR

Plan

P.ID	Name	Notes	Result
1	migration of CE tests for Role=lcgadmin	try using org.sam/samtest-run wrapper	tests submitted with org.sam/CE-probe and produce Nagios compliant output; results come from MB; part of RPM in egee-SA1 repo
2			tests run with Role=lcgadmin under Nagios

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	integration of PI1 with Nagios	management of proxy with Role=lcgadmin on Nagios box	
3	migration of VO-box tests	this is a set of custom tests, which may require a re-write to be able to run under Nagios	tests are submitted from command line against VO-boxes and produce Nagios compliant output; part of RPM in egee-SA1 repo
4	integration of PI4 with Nagios	nothing	tests run under Nagios

Milestones

Milestone	Date	Result
M1	15 Nov'09	all tests migrated and the first release of RPM is made
M2	15 Dec'09	migrated tests integrated into new Nagios based monitoring framework

Progress

Planned	Ongoing	Done
PI1		
	CE-sft-job	
-	-	CE-sft-vo-swdir
CE-sft-softver		
PI2		
integration of PI1	-	-
PI3		
-	-	vobox-DPD
-	-	vobox-PM
-	-	vobox-PR
-	-	vobox-PSR
-	-	vobox-SA
-	-	vobox-UPR
PI4		
integration of PI3	[09 Dec'09] integrated manually using Hash.pm on samnag014 *	-

* [02 Dec'09] created and started to populate ALICE_CRITICAL profile in MDDB: metric set org.alice.VOBOX

-- KonstantinSkaburskas - 04-Nov-2009

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