VO SAM test review: ALICE

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SAM and ALICE: General Points

- ALICE has agreed a big upgrade of the SAM infrastructure for their tests
  - In collaboration with VECC developers
  - It will affect the following services:
    - **VOBOXES**: Establishment of a more robust and upgraded test suite
      - GOAL: Include VOBOXES in the availability calculations
    - **CREAM-CE**: Inclusion of a specific ALICE test suite
    - NO SPECIFIC TESTS FOR WMS ARE FORESEEN
  - It must be in placed before the real data taking
    - Including in the Site rubustness planning of ALICE which startup with the T1/T2 site admins tutorial

Current ALICE TESTS (I)

- Affecting two services: LCG-CE and VOBOXES
  - LCG-CE
    - Included in the site availability calculation
    - ALICE uses the standard test suite created for this service but executed with ALICE credentials
    - Two critical tests defined
      - JOB SUBMISSION
      - ACCESS TO THE SW AREA FROM WN
    - ALICE does not plan to change the test suite in the future regarding this service
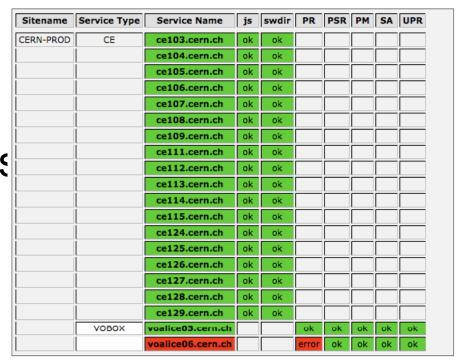
Current ALICE TESTS (II)

- VOBOXES
  - Specific test suite and SAM infrastructure created to fulfill ALICE requirements
  - Test suite executed at each VOBOX using ALICE credentials
  - Currently the test suite consists of 5 tests all of them critical
    - PSR: Status of the proxy server registration
    - SA: Status of the sw area access
    - UPR: Status of the uer proxy registration
    - PM: Status of the proxy of the machine
    - PR: Status of the alice-b-x-proxy renewal service
  - This test suite ensures the max granularity to test the generic VOBOX service
    - It can be therefore exported to any other VO since it does not test any specific ALICE related service

SAM and Dashboard

- There are no inconsistencies between the SAM reported information and that of Dashboard

- Example:

CERN services

Sitename	Service Type	Service Name	js	swdir	PR	PSR	PM	SA	UPR
CERN-PROD	CE	ce103.cern.ch	ok	ok					
		ce104.cern.ch	ok	ok					
		ce105.cern.ch	ok	ok					
		ce106.cern.ch	ok	ok					
		ce107.cern.ch	ok	ok					
		ce108.cern.ch	ok	ok					
		ce109.cern.ch	ok	ok					
		ce111.cern.ch	ok	ok					
		ce112.cern.ch	ok	ok					
		ce113.cern.ch	ok	ok					
		ce114.cern.ch	ok	ok					
		ce115.cern.ch	ok	ok					
		ce124.cern.ch	ok	ok					
		ce125.cern.ch	ok	ok					
		ce126.cern.ch	ok	ok					
		ce127.cern.ch	ok	ok					
		ce128.cern.ch	ok	ok					
		ce129.cern.ch	ok	ok					
	VOBOX	voalice03.cern.ch			ok	ok	ok	ok	ok
		voalice06.cern.ch			error	ok	ok	ok	ok

ALICE Plans for SAM

- **Restructuration of the SAM infrastructure for the experiment**
  - Affecting the general wrapper and the sites registration procedure into the SAM DB
    - Collaboration with SAM developers
- **Reforcement of the VOBOX test suite**
- **Creation of a specific CREAM-CE test suite**
  - Basically dedicated to the direct job submission tests

ALICE and the CREAM-CE

- During the transition phase from the LCG-CE to the CREAM-CE ALICE is facing a mix situation not visible in SAM
  - Sites providing both CREAM and LCG-CE
  - Sites providing only LCG-CE
  - Sites providing only CREAM-CE (not too many)
- However SAM CT tests affects LCG-CE only
- In order to have a more realistic situation, SAM will have to reflect the status of ALICE services at each site
  - Increasing the cases for which CREAM-CE will have to act as the CT sensor also included in the availability calculation
  - In most of the cases the availability calculation will have to be based on a situation: LCG-CE OR CREAM-CE
  - This is one of the points ALICE will work in the following months

The SAM UIs

- Currently associated to a specific account
- Renewal of the user proxies based on a cron
- Proposal:
  - Include a proxy renewal mechanism a la VOBOX
  - This procedure will ensure:
    - Still limited access to the UI (security ensured)
    - Several developers can access the SAM UI (single point of failure also avoided)