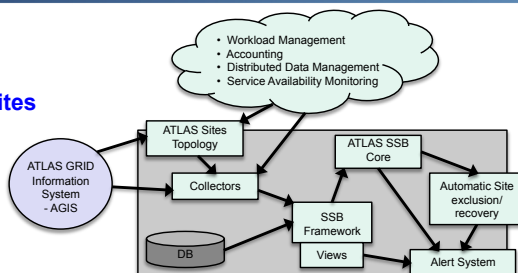


Automating ATLAS Computing Operations using the Site Status Board

ATLAS Site Status Board (SSB):

- Aggregation of monitoring information for > 80 ATLAS sites
- Status of all the ATLAS Distributed Computing Activities
- Evaluation of Efficiency of ATLAS Sites and Services
- Historical Views, ATLAS Site Topology, Sensors and Alarm System



SSB Views

- Status:**
- Activities:
 - Distributed Data management, Data Processing, Distributed Analysis
 - Functional tests:
 - SRM, CE, Squid, Production or Analysis test jobs
 - Infrastructure:
 - Downtimes, Network, SW Installation

Automated Actions

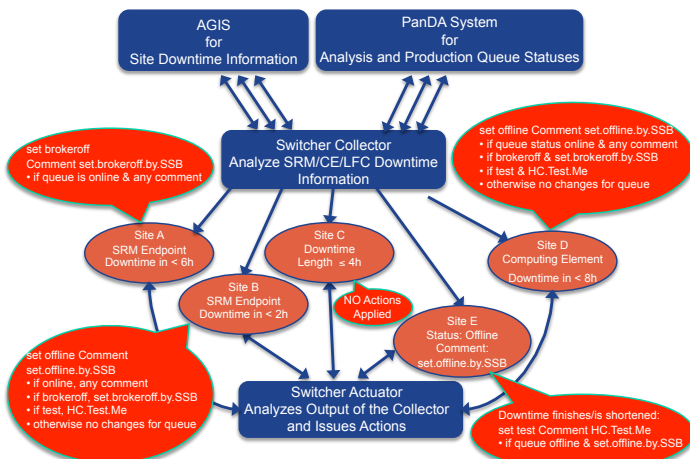
- Reduce Manpower Costs for ADC Operations
- Automate Routine Action Taking
- Have the Generic Prototype for Automatic Exclusion/Recovery

Implementation

The Switcher

Exclude production or analysis queues of PanDA for a CE or SE downtime.

Recover after the downtime finishes/vanishes.



ATLAS Site Topology

SSB Provides Mapping Mechanism among Monitoring Sources

- ATLAS Site Topology Mapping Between Naming Conventions Used in:**
- AGIS ATLAS Grid Information System
 - Data Distributed Management
 - PanDA System

```

"GRIF-LAL":{
  "agis_gocdb_or_om_site_name": "GRIF",
  "agis_ssb_site_name": "GRIF-LAL",
  "cloud": "FR",
  "country": "France",
  "ddm_site_name": "GRIF-LAL",
  "is_atlas_analysis_site": 1,
  "is_atlas_production_site": 1,
  "is_atlas_site": 1,
  "preferred_panda_siteld_analysis": [],
  "preferred_panda_siteld_production": [],
  "processing_resources": {
    "analysis": {
      "ANALY_GRIF-LAL": {
        "ANALY_GRIF-LAL"
      }
    },
    "production": {
      "GRIF-LAL": {
        "GRIF-LAL-grid10-atlas-pbs",
        "GRIF-LAL-grid36-atlas-pbs"
      }
    }
  },
  "special": {},
  "tier": "T2D",
  "timestamp": "2012-04-16 14:00:43"
}
    
```

Alert System

Alerts Send to:

- Cloud Squads
- Site Administrator
- Service Responsibles

About:

Service Degradation, Taken Automatic Actions

Cloud X info:

Site A
ggus [140] State:in progress Date:2012-04-18 Info:Site A: jobs failing with "Too little space left on local disk to run job"

Site B (SD)
test in analysis activity as of April 21 09:31 UTC
offline/test/brokeroff in production activity as of April 21 09:31 UTC

Site C
ggus [377] State:on hold Date:2012-03-29 Info:Site C: jobs failing
test/test in production activity as of April 20 09:31 UTC

Site D
One or more endpoints blacklisted in DDM activity as of April 14 09:32 UTC. More info

Site E
Space taken Site F_PROD/DISK warning (Free:23.994 Total:143.969) since Apr 21 09:31
Space taken Site F_SCRATCH/DISK warning (Free:23.994 Total:143.969) since Apr 21 09:31

Site F (SD)
ggus [100] State:in progress Date:2012-04-05 Info:LUKI-LT2-UCL: srm down
test in analysis activity as of April 06 09:32 UTC
test in production activity as of April 06 09:32 UTC
One or more endpoints blacklisted in DDM activity as of April 06 09:32 UTC. More info

Site G
ggus [119] State:in progress Date:2012-04-19 Info:Site H: job failures for pilot error
X cloud
savannah [2783] Date:2012-04-13 06:08 Info:"GROUP/DISK at Site D is full"
savannah [1770] Date:2012-04-05 23:04 Info:"Site F: srm failure"
Site B in schedule downtime.
Site F in schedule downtime.

Please find more information at the [Switcher view](#).
You are receiving information about the following modules: ggus statusactivities spatocloudsavannah
If you want to add/remove a module or unsubscribe please contact us at: atlas-ssc-devs@cern.ch

Historical Views

Poster presented at the Computing in High Energy and Nuclear Physics Conference, 21-25 May 2012, New York, United States

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