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Project Milestones

Message Brokers

September 2008

- ◆ Single broker set up ***DONE prod-grid-msg.cern.ch***

January 09

- ◆ Network of brokers running ***DONE CERN/SRCE***
 - ◇ COMMENT:: Some problems in getting good operations procedures for network of brokers (e.g. restarts, config upgrades, removing problem brokers). Waiting on adding more until we have more experience. Target: June for 2 more brokers (INFN, AUTH ???)

NCG

December 2008

- ◆ GOCDB integration via Oracle DB ***DONE***
- ◆ Integrated via XML interface to GOCDB ***DONE Mid January 2009***
- ◆ Yaim modules for ROC level ***DONE at start***
- ◆ Specific doc for a ROC ***DONE at start***
- ◆ Full integration with MSG – ***DONE Mid January 2009***
- ◆ MSG ' Nagios ***DONE Mid January***

February 2009

- ◆ feedback link from ROC to Site Nagios
 - ◇ PENDING – end may ?
- ◆ Support for multiple VOs ***DONE***

March 2009

- ◆ Integration with JSON-based metric database – ***DONE***

April 2009

- ◆ Integration with Metric Store (***DONE***) and new Topology Providers – no interface yet – still open

May 2009

- ◆ Implementation of NCG cache (NCG as Nagios check)

Regional Monitoring

December 08

- ◆ SAM ready to use Message Bus – ***DONE***
 - ◇ SAM client on UI and WNs uses msg-publisher
 - ◇ Msg-consume2oracle used to retrieve messages from a topic and insert in SAM DB
 - ◇ Everything tested in Validation
- ◆ Have Nagios equivalents of current SAM sensors used for WLCG/EGEE Availability calculations
 - ◇ SRMv2; CE & CREAM CE; sBDII
 - ◇ NCG templates available
 - Dec – ***SRMv2, CE DONE. sBDII waiting on gstat developer***
 - COMMENT: April – Site BDII tests are now ok. WN tests (CE) are now ok

January 09

- ◆ Test at CERN a full nagios monitoring system
 - ◇ ***Pushed back to Feb due to delay in hardware request***
 - ◇ (April 09) – 11 machines now setup

April 09

- ◆ Design of new SAM portal completed
 - ◇ Feb – **UNDER CONSIDERATION**
 - ◇ April – Decision to try and use MyOSG[?] as the DB against nagios data
- ◆ Integration with new availability calculation at same level as current system
 - ◇ Pending on Gridview –

June 09

- ◆ Switch Regional Nagios metric publication to new metric store
- ◆ Integrated with Regionalized Dashboard alarm system
- ◆ Adapt submission framework to use new aggregate topology provider
- ◆ SAM portal layered on new metric store
- ◆ 3rd party tool selected/customized for viewing NDO database

Project level repositories

April 2009

- ◆ 1st implementation of Metric store, aggregate topology provider and Metric Description Database
 - ◇ ATP –
 - 23 April – synchronizers nearly done. DB Schema done, history tables to be done
 - 7 May – synchronizers finished this week. Need to know the information that NCG will need.
 - ◇ Mddb – first version ready, integrated with NCG
 - ◇ Metric Store – early version based on NDOUtils – under revision – may change schema.

October 09

- ◆ Aggregate topology provider packaged for easy deployment in regions

December 09

- ◆ Regional version of metric store available to function along with regional availability calculator

SLA Calculation

March 2009

- ◆ Test new metrics with old availability algorithm (in old SAM SB)
 - ◇ April – PENDING

June 2009

- ◆ single availability algorithm calculated per VO with new metric store (e.g. functional equiv. of current system)

August 2009

- ◆ multiple availability calculations
- ◆ Visualisation of Availability in web portal * December 2009
- ◆ Regional version of availability calculation available

GOCDB

Feb 09

- ◆ GOCDB-PI is available in a prototype state with certificate based authentication. A first test DB model is deployed, basic set of information to be contained in GOCDB-4 is defined. First "region1" regional use case is defined. **DONE**

Mar 09

- ◆ Assessment: GOCDB-PI read functions are in production. **DONE**

- ◆ GOCDB–WS available in a prototype state. **POSTPONED (non critical)**
- ◆ GOCDB–4 schema designed and deployed for testing purposes **DONE**

April 09

- ◆ GOCDB–WS read functions are in production. **POSTPONED (non critical)**
- ◆ A first API is implemented to interface new DB model. Data sets injected into new schema for test and validation. **DONE**
- ◆ First GOCDB interactions with messaging system defined. **DELAYED**
 - ◇ COMMENT : Need another technical meeting to discuss this. Idea is to use messaging for regional instances to talk back/forward to central instance. 1st interactions documented by end may

May 09

- ◆ First set of write function available in both GOCDB–PI and GOCDB–WS. A simple "GOCDB regional instance" test module is available for the regions that want to try it. Further GOCDB interactions with messaging system defined.

June 09

- ◆ Basic APIs are available for tool developers that need to migrate to GOCDB–PI or GOCDB–WS. A basic web interface is available in a prototype state to centrally access GOCDB new model. We have a "region1" use case deployed, and interfaces to "region3" model are defined, implemented and tested. Plans for GOCDB integration with messaging system finalized.

Aug 09

- ◆ Access to GOCDB is only done through GOCDB–PI or GOCDB–WS, and these interfaces are ready to follow model migration. Scripts for large scale data migration from GOCDB3 to GOCDB4 are ready. Regional instances and central instance work in parallel in a prototype state

Sept 09

- ◆ GOCDB4 is in a validation phase. Services are grouped into modules to ease distribution and use.

Oct 09

- ◆ GOCDB4 enters production. At least 2 regional instances work in parallel with central model. Possibly, some work started on top level interfaces at higher level.

Gstat

March 09

- ◆ Finish software requirements analysis and design – **Done**
- ◆ Finish prototyping new model – **Done**
- ◆ Regional use–cases Study – **In progress**

September 09

- ◆ GStat core components deployment ready.
 - ◇ GLUE and Topology models with associated import scripts
 - ◇ GStat validation scripts ready and initial feedback from deployment
 - ◇ GStat BDII monitoring probes ready and initial feedback from deployment
- ◆ Prototype portal pages ready.
- ◆ Start to investigate the migration plan and preparing for software transition

December 09

- ◆ GStat version 2.0 in production
- ◆ Work well underway on enhancements.

Regional Dashboard

July 09

- ◆ Regionalized dashboard interfaced with Regional Nagios raising alarms based on Nagios

Jan 10

- ◆ Regional dashboard based on a Regional Nagios suitable for deployment at a region

Quality Metrics Portal

March 09

- ◆ Initial version of portal (infrastructure, common functionality) – ***DONE*** – based on CESGA accounting portal
- ◆ usage.1, usage.4, size.1 – ***DONE***

May 09

- ◆ operations.3, user-support.1, user-support.2

June 09

- ◆ user-support.{345}

July 09

- ◆ operations.4

Sep 09

- ◆ operations.{12}, size.2

Accounting

March 09

- ◆ Create Central infrastructure for ActiveMQ
 - ◇ Install a message broker – ***DONE***
 - ◇ Install an Accounting Archiver (consumer) – ***DONE***

April 09

- ◆ Publisher written – ***DONE***

July 09

- ◆ Distribute an APEL publisher that uses ActiveMQ as the transport mechanism

April 09

- ◆ Implement the APEL publisher
- ◆ Create new APEL package

June 09

- ◆ Test version in different sites in parallel with R-GMA
- ◆ Submit patch for g-Lite certification
- ◆ Gather requirements/information from existing interfaces (OSG, NDGF and DGAS) configurable for different regions/sensors

July 09

- ◆ Implement APEL publisher configurable for different regions/sensors

August 09

- ◆ Implement consumer configurable for different regions/sensors

October 09

- ◆ Package publisher configurable for different regions/sensors for distribution

December 09

- ◆ Test publisher with other regions

April 10

- ◆ Create a package for the regionalised Accounting Servers ready for distribution

Projects with no milestones attached

Accounting Portal

Operations Portal

SAMAP


Worker Node configuration (JobWrapper? tests)

Site Nagios

Middleware event publication (L&B, FTS, Gridftp log parsing)

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