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Attendance

CERN: *David Horat (DH), David Collados (DC)*

SRCE: *Emir (E)*

EGI:

INFN: *Daniele (D)*

AUTH: *Christos T. (C), Lampros (L)*

KIT: *Torsten (T)*

CESGA: *Javier (J), Sergio Diaz (S)*

STFC: *Gilles (G)*

CNRS: *Helene(H)*

Review of Open Actions

75 - no news

76 - will be updated for the next meeting

77 - no news leave open

78 - updated by several tools – needs update from CESGA – Javier will do it

79 and children –

GOcdb test already available just need to include in nagios, will update the ticket

Acc and Metrics Portal: will update offline

Ops Portal – Helene will make Cyril aware of ticket 192

GGUS – Torsten to look at the ticket 193

- 80 - dedicated slot on the agenda
- 88 – move to confluence before closing it
- 89 – can be closed
- 90 –
- 173 – closed. 1 month
- 190 – open until faqs page created
- 201 – E. needs to talk to James – in contact with ARC already

Milestones and Deliverables

PM1 Milestones:

MS701: Define the roadmap for the CIC Operations Portal taking into account the CIC Operations regionalisation of the Portal work plan operational tools and new resource types being used on the infrastructure. (CNRS)

Being reviewed, Helene and Cyril got comments from Tiziana, Newhouse and myself. New version when Cyril will be back from holiday.

MS702: A report describing the different operational tool product team's development infrastructure and procedures including details of their development infrastructure. (INFN)

Reviewed twice by moderator and Newhouse. The two reviewers are on holidays, but AMB agreed on move the milestone on AMB review.

PM2 Milestones:

MS703: Operational Tools regionalisation work plan. Specify a work plan identifying the upcoming releases and associated functionality. (CERN)

Collados circulated a request of input but needs to send a reminder since not all inputs arrived. A first draft available that it will be available today on the db. Reports problems using the template for D&M in the DB. D: AMB is defining a new template, I'll ask if it can be circulated.

Collados asks if moderator and reviewer are nominated. D: still not defined

PM3 Milestones:

MS704: Roadmap for the maintenance and development of the deployed operational tools (KIT)

A public report describing the roadmap for all the deployed operational tools over the next 18 months defining release and deployment dates.

KIT received the missing contribution and compiling the doc – will be ready soon.

Daniele suggest to include a table to summarize release dates and associated functionalities (agreed on one table per tool)

Quarterly Report

A report about the activity done in the last 3 months and the plans for the upcoming 3 months.

Daniele got contribution from everybody but ggus. In the afternoon the draft will be circulated.

Torsten will check it in the afternoon.

GOCDDB4 Release Plan - Step2

G: GOCDDBPI is now in production -we never rolled back from the test. We need now to switch the input system. Still minor development to be done immediately before release, when done we'll release in testing mode, but we need to find some testers (volunteers – 2,3 people with different roles).

Gilles on holiday from end of August, back just before the technical forum, so the full release can be done on end of sept.

So the plan is to make the testing input system by the end of august and give a month to people to test and report to Gilles, get other feedback during the TF and prepare the release after the TF and release at end of Sept.

Gilles to open a ticket to GOCDDB where testers will report issues. Agreed on 23 of Aug to make the test instance available.

Plan b in case of problems is postponing the release.

Failover system for the tools

Emir made a summary on ticket 188.

D: we should start working on failover if really needed.

E: we need to clarify the status and ask for SA1 requirements.

D: we also need to be able to measure tools availability in real number (see other tickets)

Ops Portal:

No automatic failovers for the Operations portal:

- Each configuration of Lavoisier is copied in SVN
- Restart of a service on a virtual machine: 10 min
- The database Mysql is backed-up
- Restoration of the back-up: 30 min
- The Web machine is hosted in a cluster

No failover other than local

The failover strategy with Italy is no more supported by the project

Ops portal does not depend on a single machine – in any case everything is a local cluster. We have no more geographical failover.

Daniele to check with NGL_IT why the geographical failover is no more run. (Helene, no manpower allocated for that by the project)

GOCDDB

DB is on a cluster

The web machine is a single machine, we will have a replica in Germany, manual dns redirection – replica portal still under configuration

2 DB replica you local, the other in another UK location. Manual failover.

Maybe in the future nagios test can be accurate enough to switch automatic switch

GGUS

Front end

- Two parallel GGUS servers for both production and training area
- One is active, the other is standby
- One is a real machine, the other a virtual one
- The virtual machine is hosted on a VMware ESX cluster with Dynamic Resource Sharing and High Availability and a redundant connection to a Storage Area Network (SAN)
- The SAN on KIT Campus Nord has 2 locations separated by approx 500m, with independent power supply
- As we just upgraded our systems (RHEL 3 - 5, Remedy ARS 6.3 - 7.1)

Network

- We currently have a redundant network connection (Internet)
 - DFN
 - Belwue

Database

- DB for production, development and training system on Oracle 9i auf Solaris 9, Veritas Cluster (Failover)
- Moved to Oracle 10g Real Application Cluster (RAC) with 2 nodes (and DataGuard) at two separate 2 locations

Plans

- Automate the failover of the frontend to minimise the manual intervention needed

Torsten: for web fronted we still need manual intervention, we have a new person working on this using virtual machine, ready by the end of the year. DB is an application on oracle cluster that has an efficient failover system.

Accounting Repository:

No failover system. Is this needed? High availability is not needed for the acc repo

Biggest problem is when service is offline for more than a couple of days because of very horrible problems as happened a couple of times in the past – failover instance would be affected as the primary instances in those cases.

E.: do you use queues or topic for activeMQ

G: We are using topics – E. on a queue data are kept – this give additional fault tolerance

J: we must be sure that nagios test does not fail if the repository is down and tickets are not opened to sites

E: no automatic procedure for this, we need to broadcast

Accounting Portal and Metrics Portal:

Currently manual failover using VMs

If a problem is in a sw update we can rollback using SVN

Option to use a dns round robin we a couple of machine and db behind - the problem is the manpower, we can do that if required

E. what kind of infrastructure for the VMs?

J: XEN with images stored on a storage host – about five minutes to have it running in case of problems.

Service Availability Monitor

SAM/Nagios instances are supposed to be deployed at each NGI. Each NGI is responsible for fault tolerance implementations (e.g. RHEL Cluster Suite, other HA cluster implementations).

Question remains - what happens if NGI's Nagios is down for longer period of time?

Central Databases at cern and central myEGI – oracle cluster at CERN and db backups periodically, as for any other oracle db at CERN

myEGI – one single node, the idea is to have a round robin dns

D: is something in place and/or tested?we can write guidelines for the NGIs

DH: at cern this is managed centrally

D:just to advertise that myEGI works fine if the web server is under dns round robin

Final Remarks

E: we have enough information for now I'll put them on the QR and on the ticket, then back to sa1 to ask for their opinion.

AOB

D: asks for confirmation of presence at the technical forum

DH will be there and available to make the presentation for the SAM framework. Discuss offline the details.

J: I have no problems

T: no problem, there for the whole week

G: there for accounting workshop and ops tools session. Can give the talk.

D: Christos do you want a slot for messaging?

C: I don't know if there is someone to present. I'll let you know.

D: Cyril confirmed by mail.

D: no jra1 phone during August. Next meeting the first week of Sept.