



Monitoring

Carlos Carranza – Bordeaux 2012/11

Monitoring

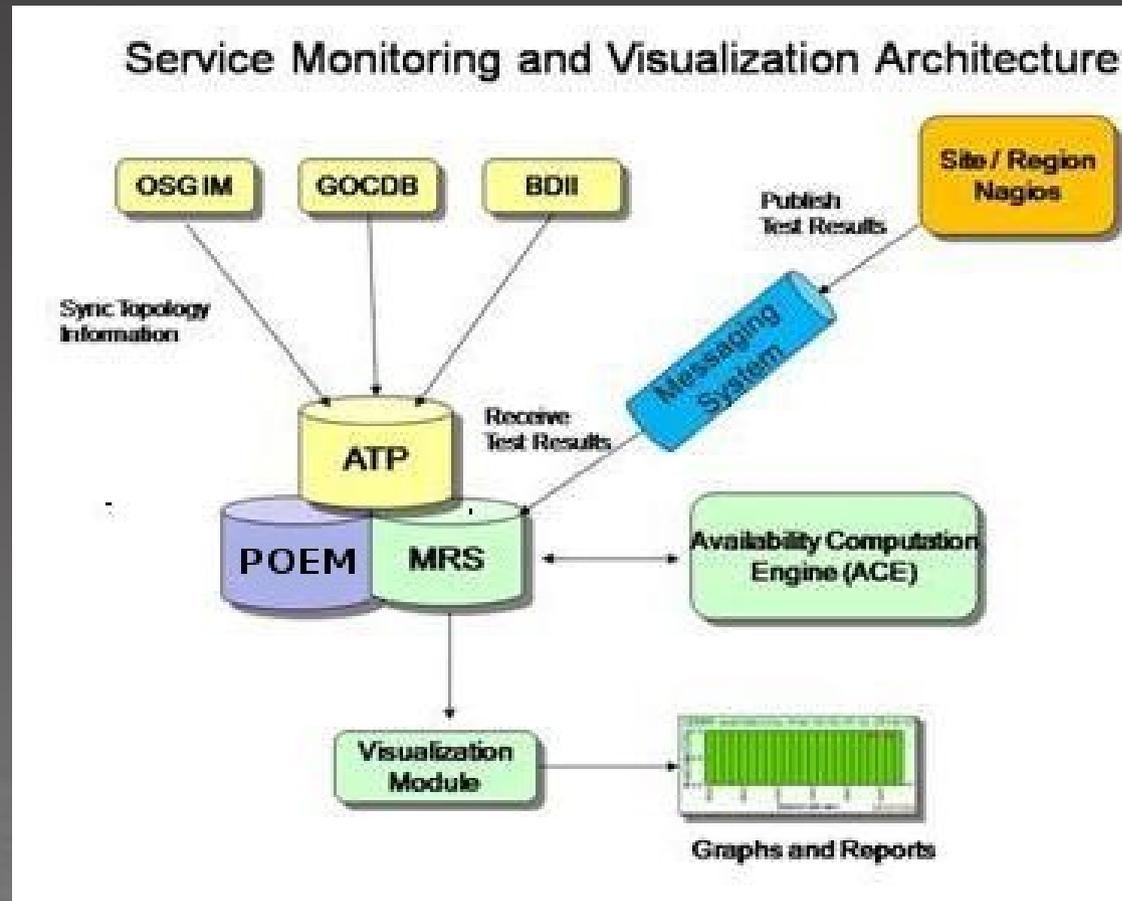
- L'infrastructure de monitoring (SAM)
 - Architecture
 - Nouveautés
- Monitoring de France Grilles
 - Composants
 - Administration
 - Contacts

Service Availability Monitoring (SAM)

Une infrastructure de supervision de services de grille.

- Architecture distribuée, avec composants dans chaque NGI (SAM Instances)
- Utilisée par WLCG et EGI infrastructures.
- Nagios, ActiveMQ, Django
- Permet la soumission, le transport, le stockage et la visualisation des tests.

Service Availability Monitoring



Les résultats des tests sont utilisées par des modules différents

Service Availability Monitoring (myegi/mywlcg)

- Outil de visualisation
 - Montre le statut et l'historique des sites et des services.
 - Disponibilité et fiabilité des sites et services.
 - Web services (JSON/XML) permettant l'export des statistiques (sam-pi).
 - Graphiques a la « Gridmap »
 - Etc ...



Aggregated Topology Provider

(Topology aggregator for grid resources across the globe)



Home

Browse

VOs-Sites-Services

VOs

Sites

Services

Service types

Service flavours

VO-Downlines

Group Types

Groups

Sites-Services

Sites-Region-VO

VO-Topology

VO-Service-Sites

POEM

Profile management

Welcome, /O=GRID-FR/C=FR/O=CNRS/OU=CPPM/CN=Juan Carlos Carranza. / Log out

Home > Poem > Profiles > ROC_CRITICAL 1.0 ops 2011-11-11 11:59:25 None

Change profile

History

Name: ch.cern.sam-ROC_CRITICAL
Namespace and name of this profile. This entry will appear in the MyEGI/MyWLCG.

VO: ops
Virtual organization that owns this profile.

Owner:
Certificate DN of the owner of this profile (if present it implies authorization control for changes).

Description: This profile is used to generate EGI league report.

Free text description outlining the purpose of this profile.

Nagios

General
Home
Documentation

Current Status

- Tactical Overview
- Map
- Hosts
- Services
- Host Groups
 - Summary
 - Grid
- Service Groups
 - Summary
 - Grid
- Problems
 - Services (Unhandled)
 - Hosts (Unhandled)
 - Network Outages

Quick Search:

IN2P3-CPPM

Reports

- Availability
- Trends
- Alerts
 - History
 - Summary

Host	Service	Status	Output	Time	Latency	Response Time	Message
marb.in2p3.fr	hsrce.LB-CertLifetime	OK	CERT LIFETIME OK - Certificate will expire in 259.66 days (Aug 13 07:28:56 2013 GMT)	11-26-2012 16:34:40	1964 4h 27m 52s	1/2	
maesdpm.in2p3.fr	hsrce.SRM2-CertLifetime	OK	CERT LIFETIME OK - Certificate will expire in 259.74 days (Aug 13 10:28:45 2013 GMT)	11-26-2012 17:40:12	124 4h 7m 30s	1/2	
	org.sam.SRM-All-ops /Role=lcgadmin	OK	OK: success.	11-26-2012 17:31:12	74 0h 37m 42s	1/4	
	org.sam.SRM-DeH-ops /Role=lcgadmin	?	OK: File was deleted from SRM.	11-26-2012 17:31:41	74 0h 37m 14s	1/4	
	org.sam.SRM-GetH-ops /Role=lcgadmin	?	OK: File was copied from SRM. Diff successful.	11-26-2012 17:31:40	74 0h 37m 15s	1/4	
	org.sam.SRM-GetURLs-ops /Role=lcgadmin	?	OK: Got SRM endpoint(s) and Storage Path(s) from BDIH	11-26-2012 17:31:12	774 3h 28m 5s	1/4	
	org.sam.SRM-GetURLs-ops /Role=lcgadmin	?	OK: protocols OK-[rfile, grrtp]	11-26-2012 17:31:33	74 0h 37m 22s	1/4	
	org.sam.SRM-Ls-ops /Role=lcgadmin	?	OK: listing [dpm/in2p3.fr/home/ops/test-put-1353947473-7efa1cc3fb61.txt]-ok:	11-26-2012 17:31:21	74 0h 37m 33s	1/4	
	org.sam.SRM-Ls-Div-ops /Role=lcgadmin	?	OK: Storage Path[dpm/in2p3.fr/home/ops]-ok:	11-26-2012 17:31:13	74 0h 37m 41s	1/4	
	org.sam.SRM-Put-ops /Role=lcgadmin	?	OK: File was copied to SRM.	11-26-2012 17:31:20	74 0h 37m 34s	1/4	
marvoms.in2p3.fr	hsrce.VOMS-CertLifetime	OK	CERT LIFETIME OK - Certificate will expire in 259.72 days (Aug 13 09:07:28 2013 GMT)	11-26-2012 16:57:19	814 3h 28m 42s	1/2	
	org.nimap.VOMS	OK	NIMAP OK - open	11-26-2012 17:35:21	274 23h 12m 41s	1/4	
marwms.in2p3.fr	hsrce.WIMProxy-CertLifetime	OK	CERT LIFETIME OK - Certificate will expire in 259.70 days (Aug 13 07:29:18 2013 GMT)	11-26-2012 15:45:24	274 2h 2m 25s	1/2	
			FTP OK - 0.030 second response time				

File Edit View History Bookmarks Tools Help

MyEGI

https://ccna...ROC_CRITICAL

https://cctbnagboxli01.in2p3.fr/my

Most Visited Nagios Latest Headlines https://marolles.in2p3... CIC Operations Portal

Regions, Sites and Hostnames

Regions: Enter search

Sites: IN2P3-CPPM

Hostnames: Enter search

Attributes

Vo: ops

Profile: ch.cern.sam-ROC_CRITICAL

Flavours: Any flavour

Monitored Removed

Status: OK, WARNING, CRITICAL, UNKNOWN, MISSING

From: 19-11-2012 To:

Apply!

Search by hostname:

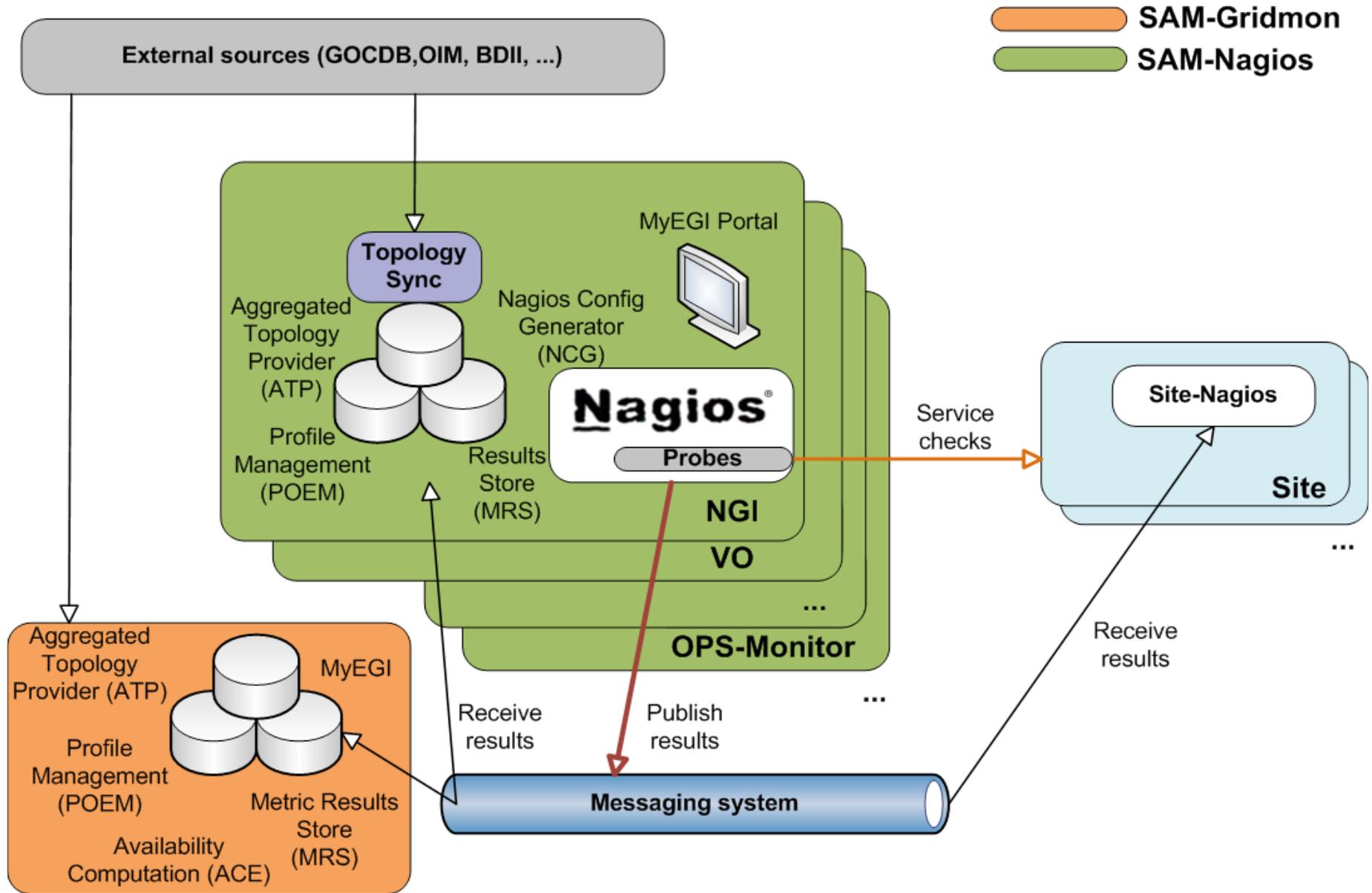
marbdi.in2p3.fr (Site-BDIH)

marcream01.in2p3.fr (CREAM-CE)

marcream02.in2p3.fr (CREAM-CE)

Main components





Monitoring France Grilles

- SAM Box production (ccnagboxli01.in2p3.fr)
 - Nagios
 - MyEGI <= visualiser les résultats
 - Des ressources externes
 - Wms, bdii, myproxy ([GRIF](#), [LAL](#), [LAPP](#), [IRES](#), [CEA](#), [CPPM](#), [CC](#))
- SAM Box certification de sites (cctbnagboxli01.in2p3.fr)
 - Infrastructure de test ([cc](#) – [bdii](#) – [wms](#))
- Système de messages ([CERN](#))
- VMWare ([HD](#))
- Autres ressources

Le service de monitoring

- Trois experts plus un ingénieur système (1 fte)
 - Administration de l'infrastructure
 - Expertise et support aux sites.
 - Traiter des demandes du ROD, tickets, etc.
 - Permanence hebdomadaire (?)
 - Participation dans la procédure de certification.
 - Contact avec la direction technique
 - Participation aux réunions et événements.
 - Documentation ...

Pour contacter le service de monitoring

fr-regional-monitoring-admins-l@FRANCE-GRILLES.FR

Le wiki

<https://forge.in2p3.fr/projects/francegrilles-ops/wiki/MonitoringRegionalUser>

Merci !!!