

Toward a stand alone distributed management system

Enrico Vianello, Matteo Manzali, Bruno Santeramo, Luca Tomassetti

Generalization of SuperB distributed production system as stand alone, general purpose infrastructure to accomplish small and medium VO requirements

let's talk about:

- WebUI development :
 - Shift Init : state of art
- TIMELINE



meeting 8 Novembre 2011

Overview:

Shift Production Initialization and Submission

[FastSim]

FASTSIM SHIFTER INTERFACE

Select a production from list: 2010_July show/hide details

REQUESTS

JOB DETAILS (REQUESTS)

Show submittable requests

Show 10 entries

S

Job Parameters

Priority

Graph

events per job

jobs d/nf/r

events d/nf/r

PRODSRIPT : HadRecoilCocktail

GENERATOR : B0B0bar_Btag-HD_Cocktail

DG : DG_4

TCL : MixSuperbBkg_NoPair.tcl

70

[0]

80000

0 (0.00%)
0 (0.00%)
4 700

0 (0.00%)
0 (0.00%)
376 000 000

PRODSRIPT : HadRecoilCocktail

GENERATOR : B0B0bar_Btag-HD_Cocktail

DG : DG_4

TCL : PacProduction.tcl

70

[3]

80000

0 (0.00%)
0 (0.00%)
4 700

0 (0.00%)
0 (0.00%)
376 000 000

Showing 1 to 2 of 2 entries

First Previous 1 Next Last

SITES

SUBMIT

GUIDE

REQUESTS

SITES

SUBMIT ON ALL SELECTED SITES

☒	Name	Last Submission	Last Submission	Site Load	Threshold	Status	Action
			Pend - Run - Done - Fail [TOT]	Prep - Sub - Run [TOT]	Pend - Fail - Runn		
☒	CIT_HEP_CE	2011-11-03 19:20:03 galvani [4:15:26:56]	0 - 0 - 0 - 1 [1]	0 - 0 - 0 [0]	20-10-300	[100/100]	submit
☒	CYFRONET-LOG2	2011-11-07 11:26:25 galvani [0:23:20:34]	0 - 0 - 1 - 0 [1]	0 - 0 - 0 [0]	2-0-5	[5/5]	submit
☒	GRIF	2011-11-03 19:20:03 galvani [4:15:26:56]	0 - 0 - 0 - 1 [1]	0 - 0 - 0 [0]	30-10-551	[50/50]	submit
☒	GRISU_UNINA	2011-11-03 19:20:03 galvani [4:15:26:56]	0 - 0 - 0 - 1 [1]	0 - 0 - 0 [0]	2-10-30	[10/10]	submit
☒	IN2P3-CC	2011-11-07 11:30:13 galvani [0:23:16:46]	0 - 0 - 1 - 0 [1]	0 - 0 - 0 [0]	50-10-700	[100/100]	submit
☒	IN2P3-IRES	2011-11-07 17:52:28 manzali [0:16:54:31]	0 - 0 - 1 - 0 [1]	0 - 0 - 0 [0]	0-3-5	[5/5]	submit

SUBMIT

GUIDE

INFN
meeting 8 Novembre 2011

2

martedì 8 novembre 2011

Steps:

- 1. user selects a production

Select a production from list: 2010_July show/hide details
- 2. user selects a submittable request (if there are no submittable request, submission is not possible)

REQUESTS

JOB DETAILS (REQUESTS)

Show

submittable

 requests

Show

10

 entries

Search:

S	Job Parameters	Priority	Graph	events per job	jobs d/nf/r	events d/nf/r
			Pending - Running - Failed - Done [TOT]			
☒	PRODSRIPT : <i>HadRecoilCocktail</i> GENERATOR : <i>BOB0bar_Btag-HD_Cocktail</i> DG : <i>DG_4</i> TCL : <i>MixSuperbBkg_NoPair.tcl</i>	70	0 - 0 - 0 - 0 [0]	80000	0 (0.00%) 0 (0.00%) 4 700	0 (0.00%) 0 (0.00%) 376 000 000
☐	PRODSRIPT : <i>HadRecoilCocktail</i> GENERATOR : <i>BOB0bar_Btag-HD_Cocktail</i> DG : <i>DG_4</i> TCL : <i>PacProduction.tcl</i>	70	0 - 0 - 3 - 0 [3]	80000	0 (0.00%) 0 (0.00%) 4 700	0 (0.00%) 0 (0.00%) 376 000 000

Showing 1 to 2 of 2 entries

First

Previous

1

Next

Last

SITES

SUBMIT

REQUESTS tab has, as default, the requests ordered by descending priority

3. user clicks on SITES tab to select on which sites the jobs are going to be submitted

in progress:

- 4. user clicks on SUBMIT ON ALL SELECTED SITES or on SUBMIT on a site or on TEST - automatically the SUBMIT tab will be selected, showing the submission summary
- 5. user confirms the summary

REQUESTS

SITES

SUBMIT ON ALL SELECTED SITES

Name	Last Submission	Last Submission	Site Load	Threshold	Status	Action
	Point - Run - Done - Fail [TOT]	Point - Run - Done - Fail [TOT]	Prep - Sub - Run [TOT]	Point - Fail - Run [TOT]		
CIT_HEP_CE	2011-03-03 19:00:03 githam (4 13 24 10)	0 - 0 - 0 - 1 [1]	0 - 0 - 0 [0]	20-10-300	[100/100]	submit
CYPRINET-LEG2	2011-03-07 11:26:29 githam (0 13 00 00)	0 - 0 - 3 - 0 [3]	0 - 0 - 0 [0]	2-0-0	[5/5]	submit
SRP	2011-03-03 19:00:03 githam (4 13 24 10)	0 - 0 - 0 - 1 [1]	0 - 0 - 0 [0]	20-10-300	[10/100]	submit
EROSU_UNONA	2011-03-03 19:00:03 githam (4 13 24 10)	0 - 0 - 0 - 1 [1]	0 - 0 - 0 [0]	2-10-30	[10/10]	submit
ENOS-CC	2011-03-07 11:00:13 githam (0 13 14 10)	0 - 0 - 1 - 0 [1]	0 - 0 - 0 [0]	20-10-300	[100/100]	submit
ENOS-ERIS	2011-03-07 17:52:28 manab (0 14 34 10)	0 - 0 - 1 - 0 [1]	0 - 0 - 0 [0]	0-0-0	[0/0]	submit

SUBMIT

GUIDE

<https://bbr-serv09.cr.cnaf.infn.it:8443/~evianello/?content=shiftinit&sn=FastSim>

REQUESTS

SITES

SITES											SUBMIT ON ALL SELECTED SITES		
☐	Name	Last Submission	Last Submission					Site Load		Threshold		Status	Action
			Pend	Run	Done	Fail	[TOT]	Prep	Sub	Run	[TOT]		
☒	CIT_HEP_CE	2011-11-03 19:20:03 galvani [4:15:26:56]	0 - 0 - 0 - 1 [1]					0 - 0 - 0 [0]		20-10-300		[100/100]	submit
☐	CYFRONET-LCG2	2011-11-07 11:26:25 galvani [0:23:20:34]	0 - 0 - 1 - 0 [1]					0 - 0 - 0 [0]		2-0-5		[5/5]	submit
☒	GRIF	2011-11-03 19:20:03 galvani [4:15:26:56]	0 - 0 - 0 - 1 [1]					0 - 0 - 0 [0]		30-10-551		[50/50]	submit
☒	GRISU_UNINA	2011-11-03 19:20:03 galvani [4:15:26:56]	0 - 0 - 0 - 1 [1]					0 - 0 - 0 [0]		2-10-30		[10/10]	submit
☒	IN2P3-CC	2011-11-07 11:30:13 galvani [0:23:16:46]	0 - 0 - 1 - 0 [1]					0 - 0 - 0 [0]		50-10-700		[100/100]	submit
☒	IN2P3-IRES	2011-11-07 17:52:28 manzani [0:16:54:31]	0 - 0 - 1 - 0 [1]					0 - 0 - 0 [0]		0-3-5		[5/5]	submit

SUBMITGUIDE

last submission info
and graph

Job prepared / submitted / running
on that site in that moment of all
the productions of every session

[bunch available / real bunch]
if site is high loaded bunch
dimension can be 0 or bunch/2

SITE STATUS

status ok: submit all the bunch.

some jobs are pending: submit half bunch.

too many jobs pending: submission disabled.

SITE SELECTION

☒ Site has been selected for submission

☐ Site will not be used in next submission

☐ Site is disabled (failures or overloads)

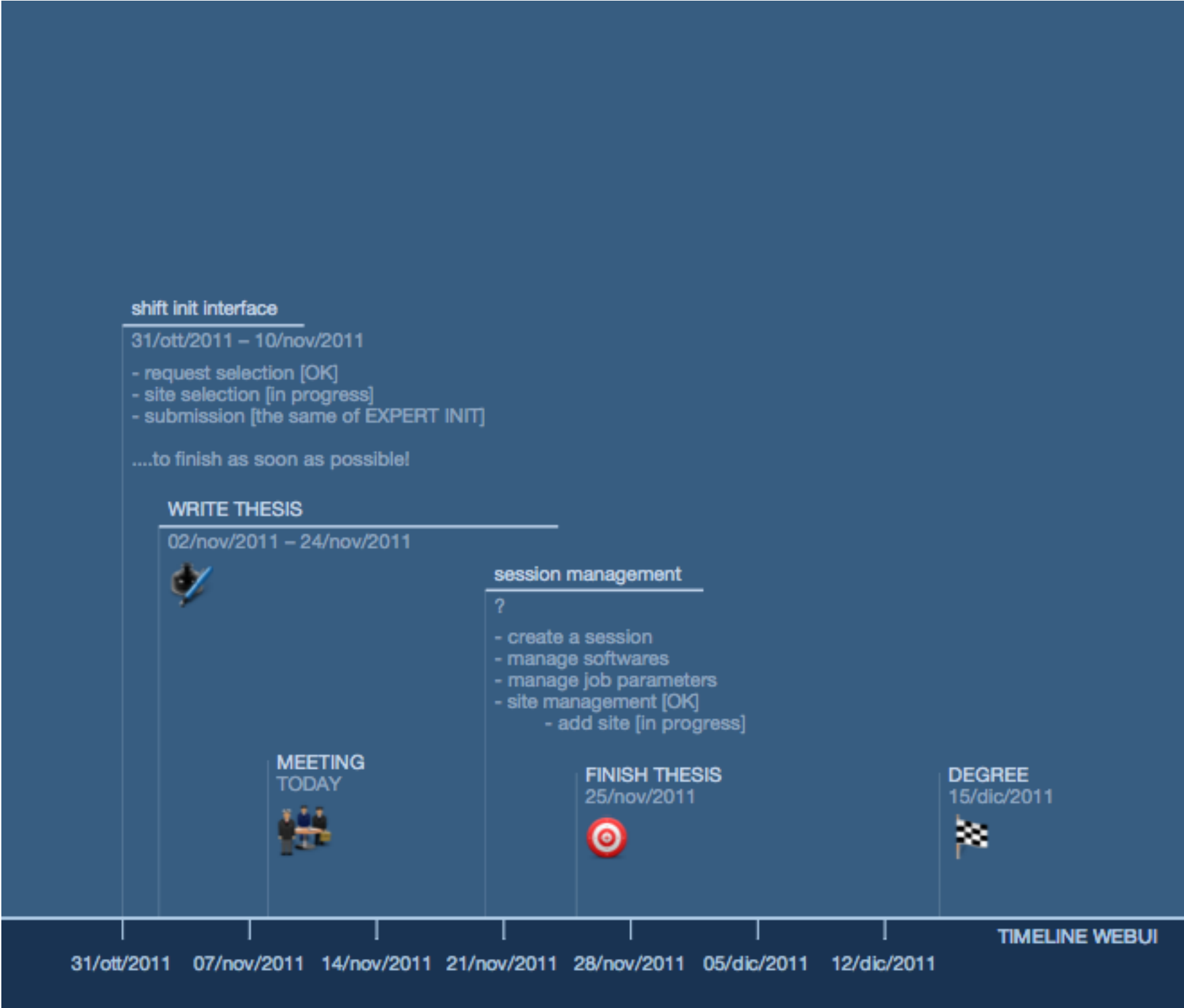
SITE AVAILABILITY

Site is available

Site is also available

Site is not available due to failures.

Site is not available due to overload.



meeting 8 Novembre 2011