

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 :
 - Input
 - Site management
- TIMELINE



meeting 20 Ottobre 2011

Added INPUT information to WebUI interface, to face new Severus specifications.

Changes:

- on SBK4 we added two fields to Prod_Request table:

INPUT_MODE

defined as enum("NONE", "DIR", "FILE", "LIST").

NONE value means that there are no input and so input_path will be empty.

DIR value means that input_path is a directory where Severus can find the input(s).

FILE value means that input_path is an absolute path to an input file.

LIST value means that input_path is an absolute path of a file that contains a list of input files.

INPUT_PATH, a string. What its value means depends on input_mode value.

- on WebUI Prod Request creation interface:

FASTSIM CREATE NEW REQUEST

Select custom request and job parameters' values or import them from another production request:

Import From...

Job Parameters:

Analysis: HadRecoilCocktail Generator: BOBObar_Btag-HD_Cocktail Geometry: DG_4

A Production Request with the selected parameters already exists!

Request settings:

priority: 10 minrunnum: 10000000 required events: 10 evt/job: 1 number of jobs: 10 expected event time: 9 max wct: 57600

Input:

input mode: DIR input path: lfn:/grid/superbvo.org/prod/FastSim/2010_July/input

Output:

outputs' sites:

<input type="checkbox"/> CIT_CMS_T2B	<input type="checkbox"/> CIT_HEP_CE	<input type="checkbox"/> GRIF	<input type="checkbox"/> GRISU_UNINA	<input type="checkbox"/> IN2P3-CC	<input type="checkbox"/> INFN-BARI	<input type="checkbox"/> INFN-CAGLIARI
<input type="checkbox"/> INFN-FERRARA	<input type="checkbox"/> INFN-LNL-2	<input type="checkbox"/> INFN-MILANO	<input type="checkbox"/> INFN-NAPOLI-ATLAS	<input type="checkbox"/> INFN-PERUGIA	<input type="checkbox"/> INFN-PISA	<input checked="" type="checkbox"/> INFN-T1
<input type="checkbox"/> INFN-TORINO	<input type="checkbox"/> RAL-LCG2	<input type="checkbox"/> SLAC	<input type="checkbox"/> UKI-LT2-QMUL	<input type="checkbox"/> UKI-SOUTHGRID-OX-HEP	<input type="checkbox"/> UKI-SOUTHGRID-RALPP	<input type="checkbox"/> UNINA-EGEE
<input type="checkbox"/> VICTORIA-LCG2	<input type="checkbox"/> VICTORIA-LCG2-SL4					

Other:

note: (max. 255 characters)

CREATE REQUEST


Added INPUT information to WebUI interface, to face new Severus specifications.
Changes:

- on ExpertInit page, when a user select a new test request :

Job Details:

Test Job? ☒ Number of runs: Number of events: Request:

Analysis: Generator: Geometry: Background:

 Production Request does not exist!

Insert a minrunnum for the new test request:


Specify one or more output sites:

<input type="checkbox"/> CIT_CMS_T2B	<input type="checkbox"/> CIT_HEP_CE	<input type="checkbox"/> GRIF	<input type="checkbox"/> GRISU_UNINA	<input type="checkbox"/> IN2P3-CC	<input type="checkbox"/> INFN-BARI	<input type="checkbox"/> INFN-CAGLIARI
<input type="checkbox"/> INFN-FERRARA	<input type="checkbox"/> INFN-LNL-2	<input type="checkbox"/> INFN-MILANO	<input type="checkbox"/> INFN-NAPOLI-ATLAS	<input type="checkbox"/> INFN-PERUGIA	<input type="checkbox"/> INFN-PISA	<input checked="" type="checkbox"/> INFN-T1
<input type="checkbox"/> INFN-TORINO	<input type="checkbox"/> RAL-LCG2	<input type="checkbox"/> SLAC	<input type="checkbox"/> UKI-LT2-QMUL	<input type="checkbox"/> UKI-SOUTHGRID-OX-HEP	<input type="checkbox"/> UKI-SOUTHGRID-RALPP	<input type="checkbox"/> UNINA-EGEE
<input type="checkbox"/> VICTORIA-LCG2	<input type="checkbox"/> VICTORIA-LCG2-SL4					

Select the input mode for the new test request:

Insert the input path: (leave empty if mode is NONE):

☒ Log files to be stored in the bookkeeping database



Added INPUT information to WebUI interface, to face new Severus specifications.

Changements:

- on automatic submission's Severus configuration file:

```
[OPTIONS]
EXPERIMENT = SuperB
MODULENAME = FastSim
PRODSERIES = 2010_July
REQUESTNAME = c578f3b1e93eed51fb8772f7d00438c3
SAVELOGDB = true
TEST = true

[REST]
PROXYCERTVAR = X509_USER_PROXY
RESTPATHDB = restsbk4
RESTSERVER = bbr-serv09.cr.cnaf.infn.it
RESTSERVERPORT = 8443
USECERT = true

[SOFTWARE]
EXEPATH =
NAME =
REVISION = 311
SWPATH = lfn:/grid/superbvo.org/production/FastSim/2010_September/test_release/V0.2.5_SL-5.3_x86_64_rev311.tjz
VERSION = V0.2.5
```

[INPUT]

INPUTMODE = DIR

INPUTPATH = lfn:/grid/superbvo.org/prod/FastSim/2010_July/input

```
[FASTSIM]
DG = DG_4
GENERATOR = B+B-_Btag-HD_Cocktail
NEVENTS = 1
PRODSRIPT = Generics
TCL = PacProduction.tcl
```

```
[SITE]
USELOCALNAME = true
```

```
[TARGETSITE]
SITENAME = INFN-TI
USELOCALNAME = false
```

```
[EXPORT_VARS]
```



meeting 20 Ottobre 2011

A new page to control and enable site for sessions and for productions.

site is disabled for a session:

- from shiftUI and from expertUI it's not possible to submit jobs

if the site is disabled but supported:

- from expertUI it will be possible to submit jobs

site is enabled for a session but is disabled for a production:

- from shiftUI it's not possible to submit jobs

- from expertUI it's still possible

not allowing to submit jobs for a particular production is useful to manage more than one production active at the same time. We can distribute the overload of the productions on different sites.

SITE MANAGEMENT

SITES

CIT_CMS_T2B
CIT_HEP_CE
GRIF
GRISU_UNINA
IN2P3-CC
INFN-BARI
INFN-CAGLIARI
INFN-FERRARA
INFN-LNL-2
INFN-MILANO
INFN-NAPOLI-ATLAS
INFN-PERUGIA
INFN-PISA
INFN-T1
INFN-TORINO
RAL-LCG2
SLAC
UKI-LT2-QMUL
UKI-SOUTHGRID-OX-HEP
UKI-SOUTHGRID-RALPP
UNINA-EGEE
VICTORIA-LCG2
VICTORIA-LCG2-SL4

SITE INFO

prepared	Thresholds	failed	Bunch dimension
12	300	10	3

Description:

SESSION/PRODUCTION SITE INFO

Show 10 entries

Search:

session	enabled	supported	job graph	last activity
<input type="checkbox"/> FastSim				2011-10-18 17:41:02
production	allow			
2010_July			# jobs: 0 # events: 0	Submitted by on
2010_September_307			# jobs: 0 # events: 0	Submitted by on
2010_September_311			# jobs: 0 # events: 0	Submitted by on
<input type="checkbox"/> FullSim				

Showing 1 to 2 of 2 entries

First Previous 1 Next Last

enable/disable support/unsupport this session for the site

edit the thresholds and the bunch dimension by clicking on the value

enable/disable submission for this production

