Toward a stand alone distributed management system

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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



WebUI Development - Input

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

- 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.

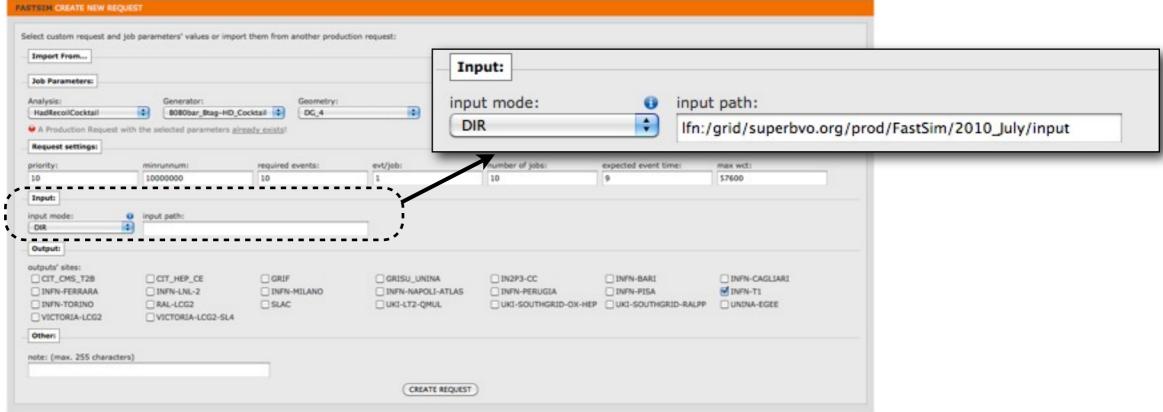
DIR value means that input_path is a directory where Severus can find the input(s).

FILE value means that input_path is a 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:

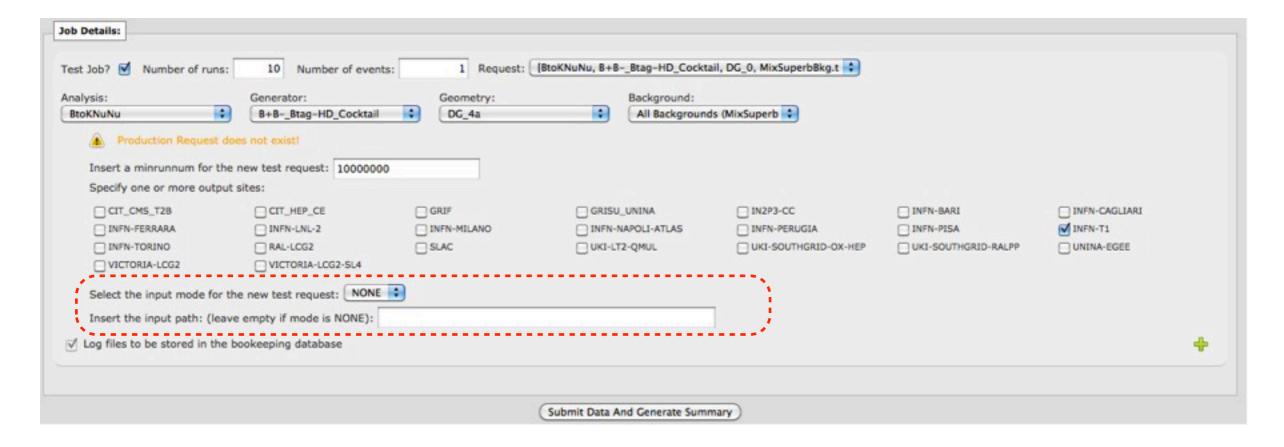




WebUl Development - Input

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

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





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
PROXYCERTVAR = X509_USER_PROXY
RESTPATHDB = restsbk4
RESTSERVER = bbr-serv09.cr.cnaf.infn.it
RESTSERVERPORT = 8443
USECERT = true
[SOFTWARE]
EXEPATH =
NAME =
REVISION = 311
SWPATH = Ifn:/grid/superbvo.org/production/FastSim/2010\_September/test\_release/V0.2.5\_SL-5.3\_x86\_64\_rev311.tjz
[INPUT]
INPUTMODE = DIR
INPUTPATH = Ifn:/grid/superbvo.org/prod/FastSim/2010_July/input
DG = DG 4
GENERATOR = B+B-_Btag-HD_Cocktail
NEVENTS = I
PRODSCRIPT = Generics
TCL = PacProduction.tcl
[SITE]
USELOCALNAME = true
[TARGETSITE]
SITENAME = INFN-T1
USELOCALNAME = false
[EXPORT_VARS]
```



WebUI Development - Site Management

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 shiftUl 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.



