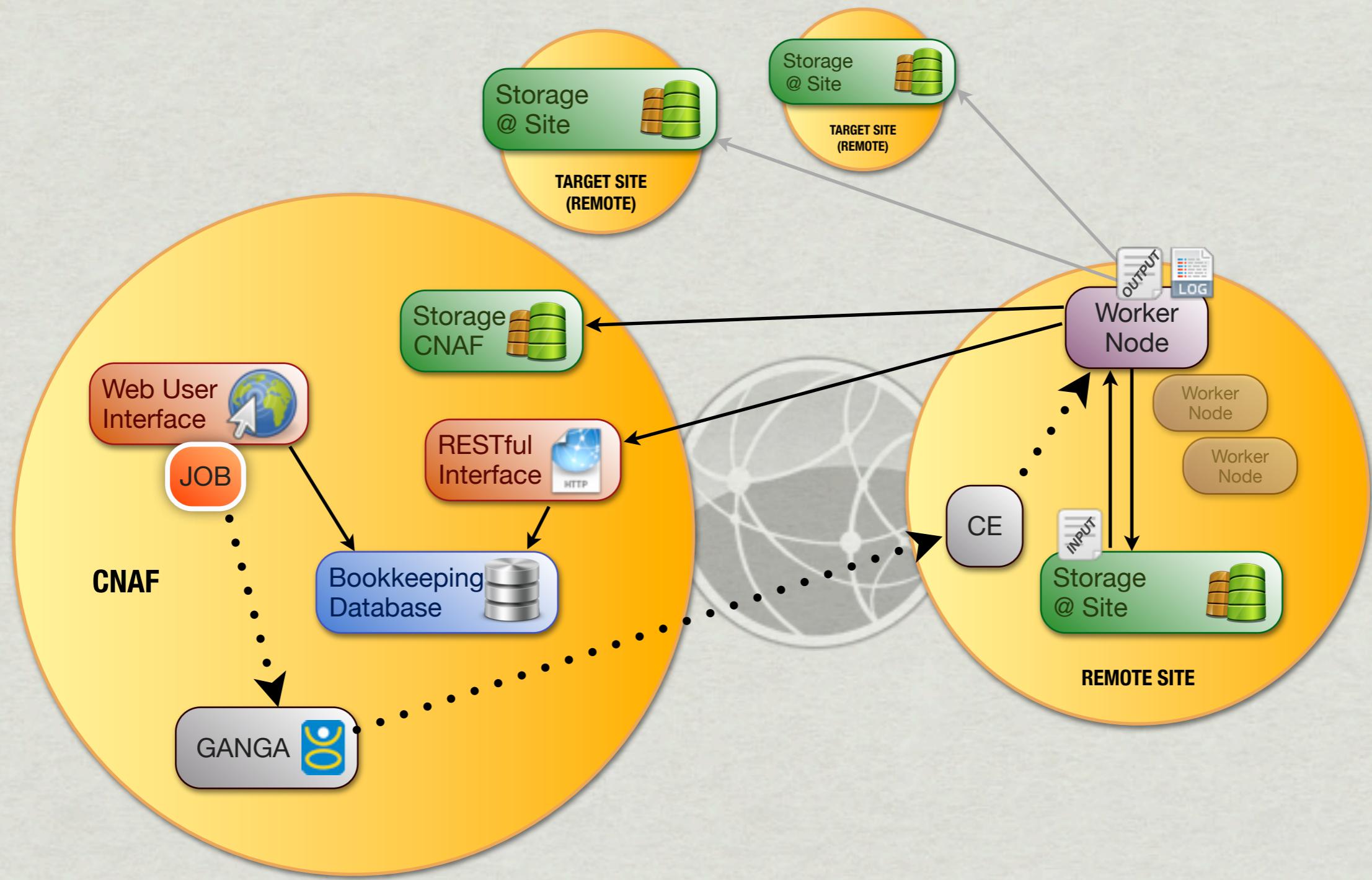


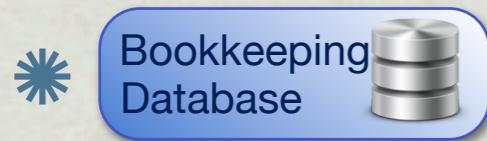
# Production Tools v3

L. Tomassetti  
University of Ferrara and INFN

# How it works



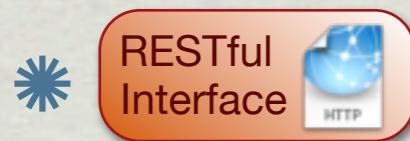
# Change Log



New schema: SBK4



Job wrapper in Python: Severus



REST: Secure with Proxy certificate

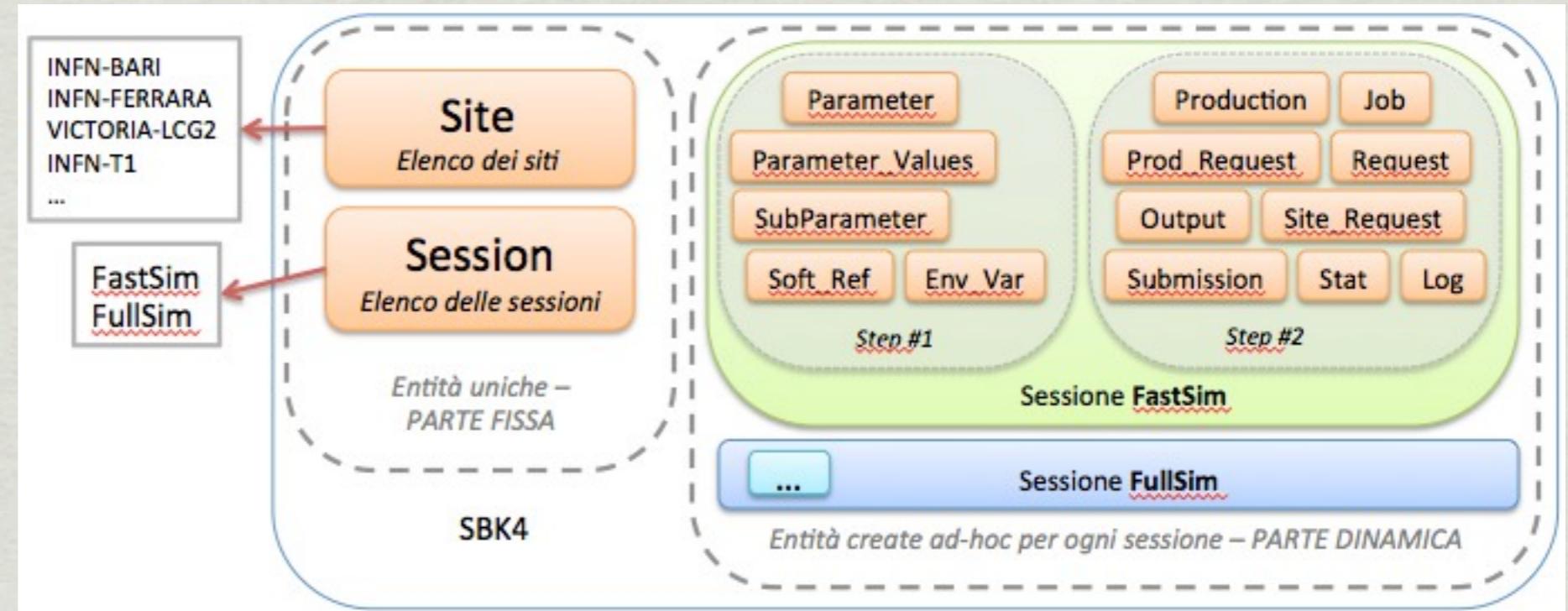


Web Portal completely rewritten

# SBK4

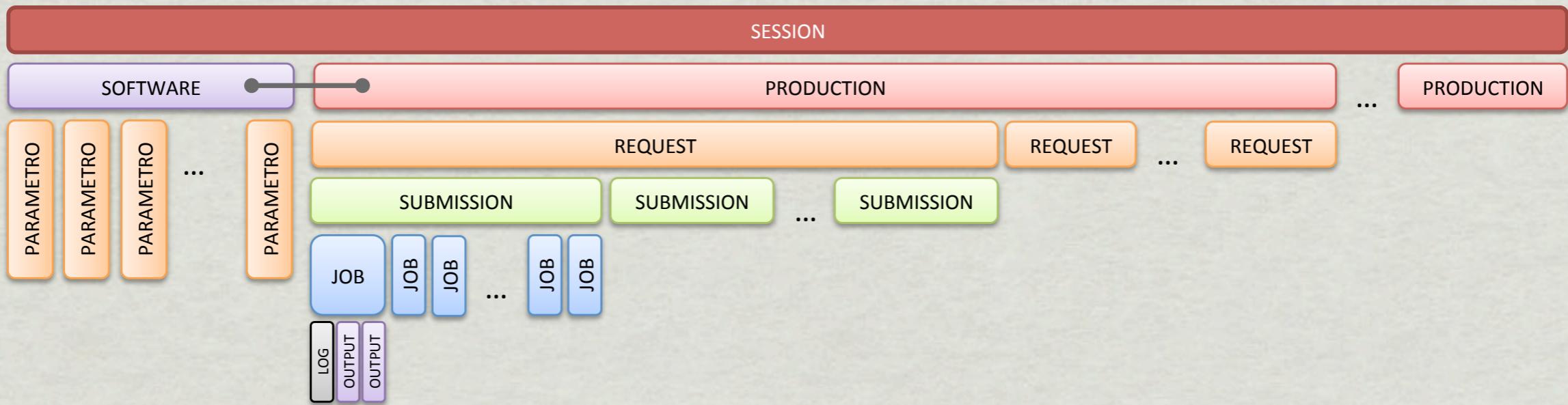
## The new bookkeeping database

- \* Still a MySQL relational database @CNAF (HA, HR, ... in progress)
- \* Database partitioned in **Sessions** (FullSim and FastSim at the moment) **NEW**
- \* For each **Session** a set of tables is replicated



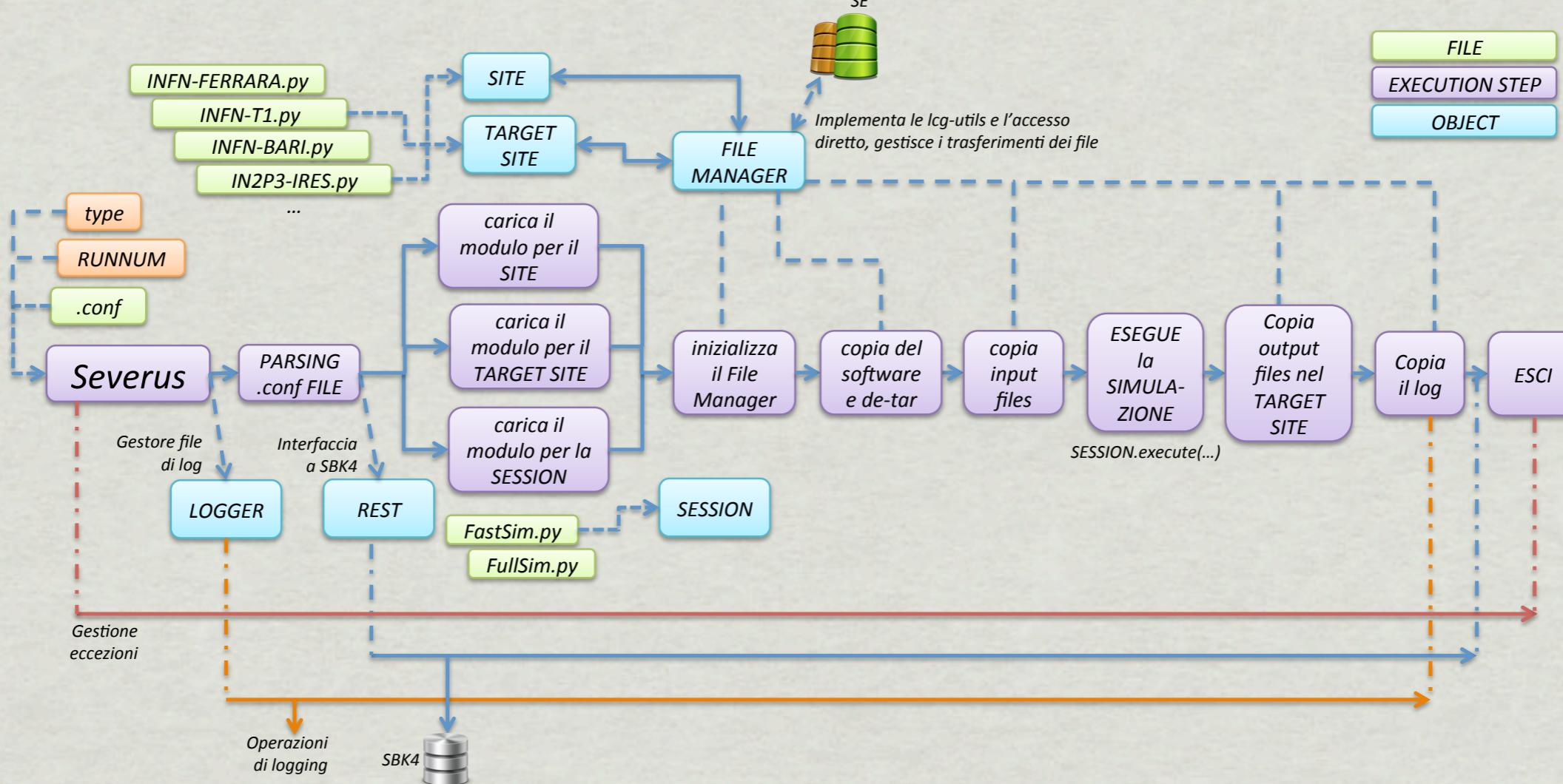
# Sessions

- \* Software (FastSim: PacProductionApp, FullSim: BrunoApp)
- \* a given set of **Parameter** to be given to the executable
- \* a organization in **Productions** which determine the software release
- \* a given set of **Requests** to be produced, in terms of number of simulated events, number of jobs, ... (a value for each **Parameter**)
- \* a set of **Jobs** for each **Request** and **Production**, organized in **Submissions**
- \* a set of metadata related to **Log** files and **Output** files



# Severus

- \* A single Python script for both (every) simulation (Session) **NEW**
- \* A configuration file customizes its behavior at execution time
- \* Modular structure, easily extendible ⇔ A **Module** for each **Session**



# Severus

- CONFIGURATION FILE (MANY SECTIONS):
  - ▶ OPTIONS: GENERAL PARAMETERS
  - ▶ SOFTWARE: INFO ABOUT THE EXECUTABLE
  - ▶ REST: INFO ABOUT THE REST INTERFACE TO BE USED FOR COMMUNICATIONS WITH THE DB
  - ▶ SITE: INFO ABOUT THE SUBMISSION SITE, WHERE THE JOB WILL BE RUNNING. A MODULE FOR EACH SITE IS THEN LOADED
  - ▶ TARGETSITE: INFO ABOUT THE SITE WHERE REPLICAS OF OUTPUT FILES MUST BE DONE
  - ▶ INPUT: INFO ABOUT THE INPUT FILES FOR THE JOB
  - ▶ OUTPUT : INFO FOR THE STAGE-OUT PHASE
  - ▶ EXPORT VARS: LIST OF THE ENVVAR TO BE EXPORTED ON THE WN
  - ▶ [SESSION NAME]: KEY-VALUE PAIRS FOR SIMULATION PARAMETERS, FOR THE SESSION SPECIFIED IN THE OPTIONS SECTION

[REST]  
 HOSTNAME = BBR-SERV09.CR.CNAF.INFN.IT  
 NAME = RESTSBK4  
 PORT = 8443  
 PROXYVAR = X509\_USER\_PROXY

[OPTIONS]  
 MODULENAME = FASTSIM  
 PRODSERIES = 2010\_JULY  
 REQUESTNAME = C05940AFB323091878021E822F97195F  
 SAVELOGDB = FALSE  
 TEST = FALSE

[SOFTWARE]  
 EXEPATH = SUPERB/FASTSIM/V0.2.5\_SL-5.3\_X86\_64\_REV311/WORKDIR/  
 BIN/LINUX26SL5\_X86\_64\_GCC412/PACPRODUCTIONAPP  
 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  
 WORKDIR = SUPERB/FASTSIM/V0.2.5\_SL-5.3\_X86\_64\_REV311/WORKDIR

[SITE]  
 USELOCALNAME = TRUE

[TARGETSITE]  
 SITENAME = INFN-T1  
 USELOCALNAME = FALSE

[INPUT]  
 INPUTMODE = DIR  
 INPUTPATH = LFN:/GRID/SUPERBVO.ORG/PRODUCTION/FASTSIM/2010\_SEPTEMBER/  
 INPUT

[OUTPUT]  
 LFN = LFN:/GRID/SUPERBVO.ORG/PRODUCTION/FASTSIM/2010\_JULY/  
 OUTPUT/HADRECOILCOCKTAIL/DG\_4/BOBOBAR\_SL/%RUNNUM%  
 LOG = /PRODUCTION/FASTSIM/2010\_JULY/OUTPUT/  
 HADRECOILCOCKTAIL/DG\_4/BOBOBAR\_SL/LOG/RUN%RUNNUM%.LOG  
 OUTPUTPATH = /PRODUCTION/FASTSIM/2010\_JULY/OUTPUT/  
 HADRECOILCOCKTAIL/DG\_4/BOBOBAR\_SL/%RUNNUM%

[FASTSIM]  
 DG = DG\_4  
 GENERATOR = BOBOBAR\_SL  
 NEVENTS = 80000  
 PRODSCRIPT = HADRECOILCOCKTAIL  
 TCL = PACPRODUCTION.TCL

[EXPORT\_VARS]  
 LCG\_GFAL\_INFOSYS = EGEE-BDII.CNAF.INFN.IT:2170  
 PARAMPATH = SUPERB/FASTSIM/  
 V0.2.5\_SL-5.3\_X86\_64\_REV311/PACPRODUCTION



# REST interface

- \* Now it makes use of mod\_gridsite for user authentication through user Proxy NEW
- \* Only requests from jobs of the superbvo.org VO with a valid Proxy are accepted (over SSL)



# WebUI

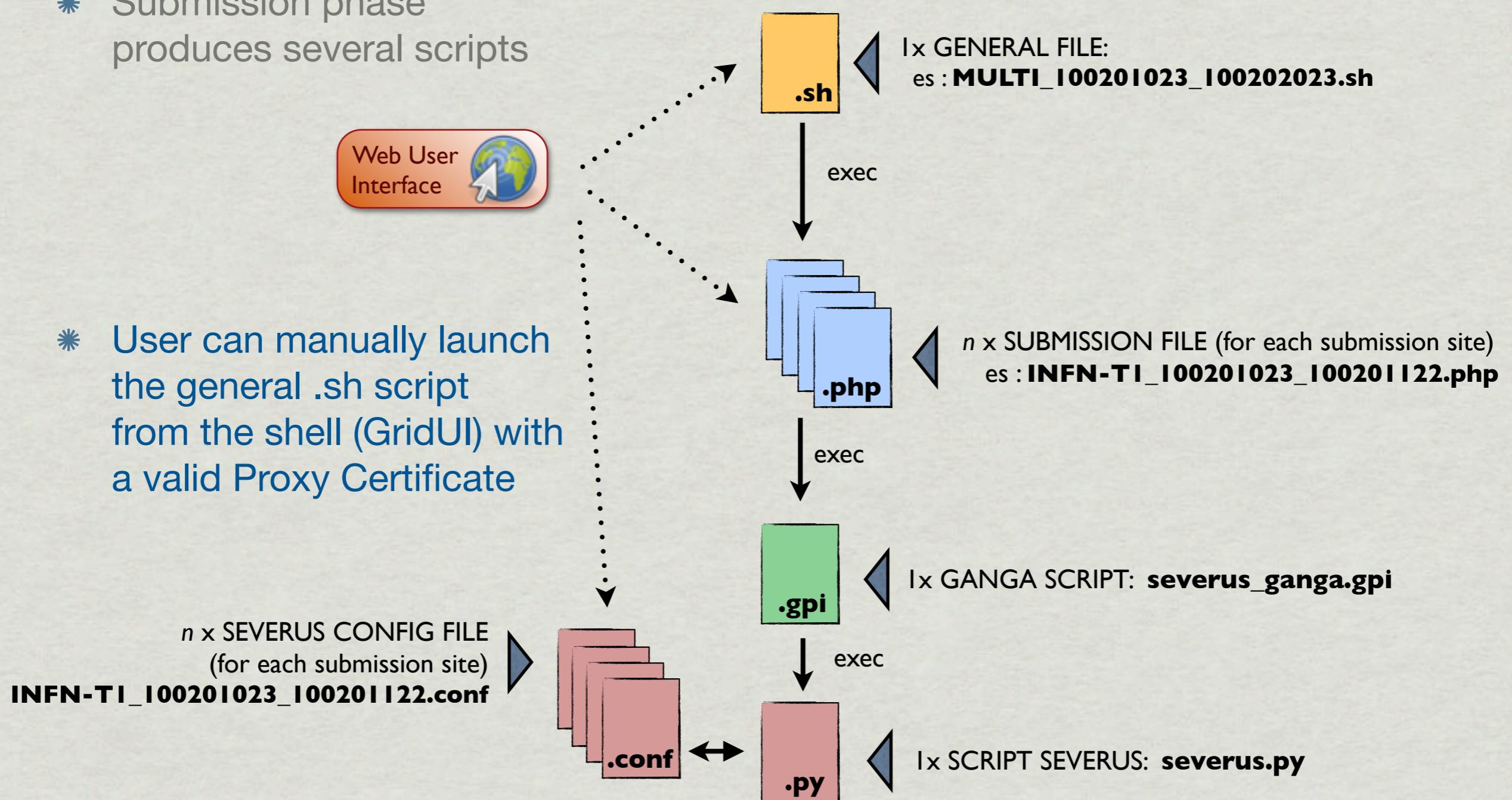
- ✳ PHP scripting language
- ✳ Smarty as template-engine: separation of business logic and presentation layer NEW
- ✳ Client-side scripting: JavaScript and JQuery library, AJAX techniques and JSON data exchange between pages/db NEW
- ✳ AA based on SuperB LDAP directory service

# WebUI

- \* Directly connected with SBK4
  - \* it makes use of SBK4 as bookkeeping database and **to dynamically build the user interface** 
- \* For each Session defined in SBK4, offers the following functionalities:
  - \* **Site** management (enabling and configuration); 
  - \* creation and management of **Productions**;
  - \* creation and management of **Requests**; 
  - \* bulk submission of **Jobs** to a set of **Sites** (both **expert** and **shift takers** interfaces); 
  - \* submission of test **Jobs**;
  - \* monitoring of **Submissions** (as a whole) and **Jobs**; 
  - \* visualization of **log** files and metadata of **output** files (and replicas).
- \* **Automatically adapts to new sessions without changing the code**

# WebUI

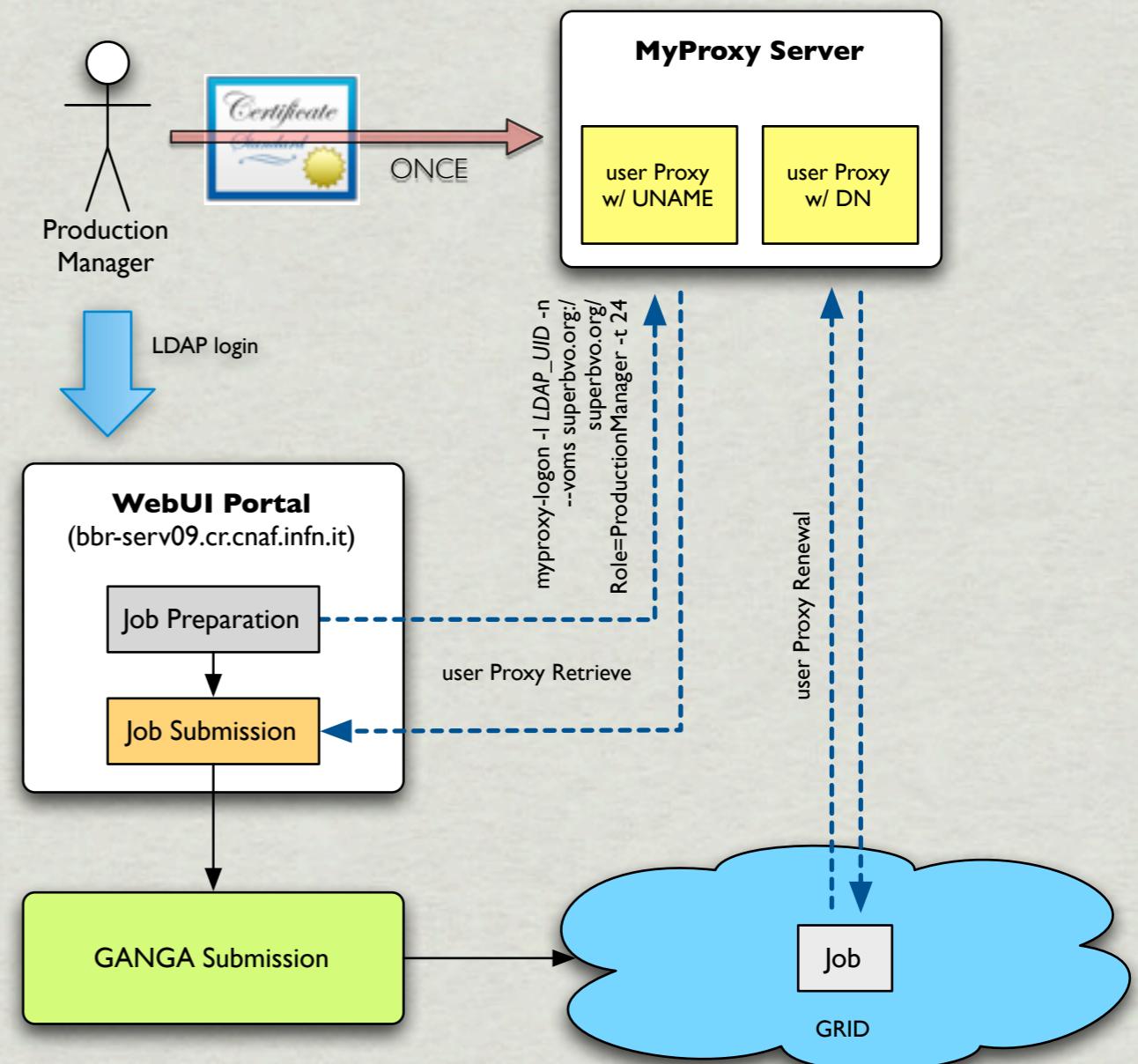
- \* Submission phase produces several scripts



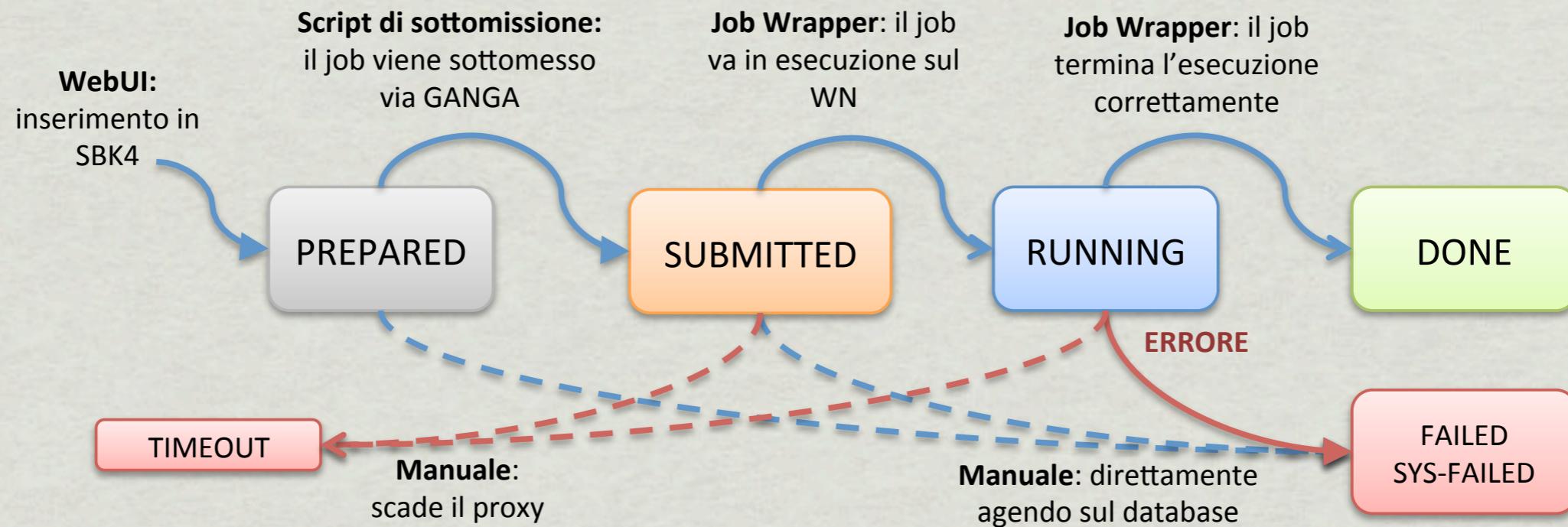
# WebUI

- \* Automatic Submission **NEW**
- \* using MyProxy's delegation and renewal functionalities
- \* user must register his Proxy with MyProxy server in two ways:
  - \* by LDAP user-id
  - \* by certificate DN
- \* Apache gets a valid proxy certificate for the user to perform submission

```
myproxy-init -I LDAP_UID -d -a -n -t 24 -c 0  
-R /C=IT/O=INFN/OU=Host/L=CNAF/CN=bbr-serv09.cr.cnaf.infn.it myproxy-init -d -n -v -t 24 -c 0
```



# WebUI + Severus



- \* Submission **stats** computed with a trigger in the Job table when **status** changes
  - \* BEFORE INSERT: submission creation
  - \* AFTER INSERT: Stat update and Request status update
  - \* AFTER UPDATE, AFTER DELETE: Stats update



NEW

# WebUI

## Home Page

### Home Page

**NEW**

#### USER INFO:

Hi Enrico Vianello!

user-id: evianello

auto-sub: enabled

you are member of 5

group(s):

- webui
- webuiFastProdMgr
- webuiFullProdMgr
- webuiShift
- WebUiDeveloper

user privileges for  
**FastSim:**

- create productions
- create requests
- shifter ui
- expert ui
- monitoring jobs

user privileges for  
**FullSim:**

- create productions
- create requests
- shifter ui
- expert ui
- monitoring jobs

#### GUIDE

#### RESOURCES

#### YOUR SESSIONS' STATISTICS:

session	job launched	job graph	events generated	total wct (s)
FastSim	4109		1454079	4412912.80
FullSim	253		253	120790.90

#### YOUR LAST 10 ACTIVITIES:

Show 10 entries

Search:

time	type	session	info	
2011-11-27 22:26:15	JOBSUBMISSION	FastSim		6 jobs (6 events) on 2010_July
2011-11-24 11:52:49	JOBSUBMISSION	FastSim		10 jobs (300000 events) on 2010_July_test
2011-11-22 18:02:40	JOBSUBMISSION	FastSim		3 jobs (3 events) on 2010_July_test
2011-11-22 16:35:15	JOBSUBMISSION	FullSim		7 jobs (7 events) on 2011_Full_grid_test_test
2011-11-22 12:01:11	JOBSUBMISSION	FastSim		15 jobs (750000 events) on 2010_July_test
2011-11-18 09:32:01	JOBSUBMISSION	FastSim		50 jobs (50 events) on 2010_July
2011-11-16 12:27:21	JOBSUBMISSION	FullSim		1 jobs (1 events) on 2011_Full_grid_test_test
2011-11-16 12:24:23	JOBSUBMISSION	FastSim		1 jobs (1 events) on 2010_July_test
2011-11-16 11:52:31	JOBSUBMISSION	FullSim		1 jobs (1 events) on 2011_Full_grid_test_test
2011-11-15 13:53:23	JOBSUBMISSION	FullSim		2 jobs (2 events) on 2011_Full_grid_test_test

Showing 1 to 10 of 10 entries

First Previous 1 Next Last

# WebUI

## Productions

### Productions

[FastSim]

#### FASTSIM PRODUCTION LIST

List of session's productions

show test productions

Show 10 entries

Search:

Prod Series	Status	Soft Release	Job Stats	Requests	actions	note
2010_July	green	V0.2.5 311	<div style="width: 100%; height: 10px; background-color: green;"></div>	2 Requests (0 open, 0 valid, 2 running, 0 closed)	close	
2010_July_test	orange	V0.2.5 311	<div style="width: 75%; height: 10px; background-color: green;"></div> <div style="width: 25%; height: 10px; background-color: red;"></div>	7 Requests		
2010_September_307	red	V0.2.5 307	<div style="width: 90%; height: 10px; background-color: green;"></div> <div style="width: 10%; height: 10px; background-color: red;"></div>	56 Requests (0 open, 0 valid, 0 running, 56 closed)	open	
2010_September_307_test	orange	V0.2.5 307	<div style="width: 70%; height: 10px; background-color: green;"></div> <div style="width: 30%; height: 10px; background-color: red;"></div>	2 Requests		
2010_September_311	red	V0.2.5 311	<div style="width: 80%; height: 10px; background-color: green;"></div> <div style="width: 20%; height: 10px; background-color: red;"></div>	43 Requests (0 open, 0 valid, 0 running, 43 closed)	open	
2010_September_311_test	orange	V0.2.5 311	<div style="width: 60%; height: 10px; background-color: green;"></div> <div style="width: 40%; height: 10px; background-color: red;"></div>	18 Requests		

Showing 1 to 6 of 6 entries

First Previous 1 Next Last

#### FASTSIM CREATE PRODUCTION:

All form fields are required.

Production Series: 2011\_November

Software Release: V0.2.5 311

#### GUIDE

- Type in the new Production Series.
- Specify the release version.
- The system will check for uniqueness of the series. On success, it will create the entry(ies) into the bookkeeping database.

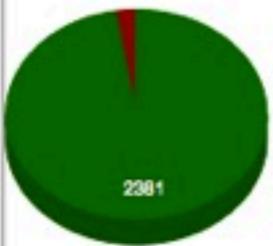
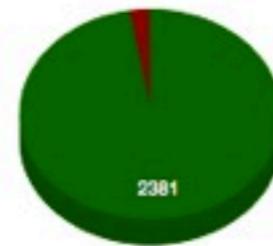
# WebUI Requests

NEW

**FASTSIM PRODUCTION REQUESTS**

List of [2] 2010\_July requests  show test requests

Show 10 entries

Analysis	Generator	Geometry
- HadRecoilCocktail	B0B0bar_SL	DG_0
progress: none	events: 2381/37600	
Jobs per status:	Events per status:	
		
done	done	
failed	failed	

+ HadRecoilCocktail B0B0bar\_Btag-HD\_Cocktail DG\_0

Showing 1 to 2 of 2 entries

**FASTSIM CREATE NEW REQUEST**

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

**Import From...**

production: 2010\_July request: [HadRecoilCocktail, B0B0bar\_Btag-HD\_Cocktail, DG\_0, MixSuperbBkg\_NoPair] import

**Job Parameters:**

Analysis: HadRecoilCocktail Generator: B0B0bar\_Btag-HD\_Cocktail Geometry: DG\_0 Background: All Bkg, No Pair (MixSuperb)

A Production Request with the selected parameters doesn't exists and will be created

**Request settings:**

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

**Input:**

input mode: NONE

**Output & Log:**

output directory (lfn): lfn:/grid/superbvo.org/production/FastSim/2010\_July/output/HadRecoilCocktail/DG\_0/B0B0bar\_Btag-HD\_Cocktail/%RUNNUM%/  
output directory (absolute): /production/FastSim/2010\_July/output/HadRecoilCocktail/DG\_0/B0B0bar\_Btag-HD\_Cocktail/%RUNNUM%/  
log file: /production/FastSim/2010\_July/output/HadRecoilCocktail/DG\_0/B0B0bar\_Btag-HD\_Cocktail/log/run%RUNNUM%.log  
 Edit output directories for the associated test request  
test request's output directory (lfn): lfn:/grid/superbvo.org/production/FastSim/2010\_July\_test/output/HadRecoilCocktail/DG\_0/B0B0bar\_Btag-HD\_Cocktail/%RUNNUM%/  
test request's output directory (absolute): /production/FastSim/2010\_July\_test/output/HadRecoilCocktail/DG\_0/B0B0bar\_Btag-HD\_Cocktail/%RUNNUM%/  
test log file: /production/FastSim/2010\_July\_test/output/HadRecoilCocktail/DG\_0/B0B0bar\_Btag-HD\_Cocktail/log/run%RUNNUM%.log

outputs' sites:

CIT\_CMS\_T2B  CIT\_HEP\_CE  CYFRONET-LCG2  GRIF  GRISU\_UNINA  
 IN2P3-CC  IN2P3-IRES  IN2P3-LPSC  INFN-BARI  INFN-CAGLIARI  
 INFN-FERRARA  INFN-FRASCATI  INFN-LNL-2  INFN-MILANO-ATLASC  INFN-NAPOLI-ATLAS  
 INFN-PERUGIA  INFN-PISA  INFN-T1  INFN-TORINO  RAL-LCG2  
 UKI-LT2-QMUL  UKI-SOUTHGRID-OX-HEP  UKI-SOUTHGRID-RALPP  UNINA-EGEE  VICTORIA-LCG2  
 VICTORIA-LCG2-SL4  WT2

**Others:**

note: (max. 255 characters)

**CREATE REQUEST**

# WebUI

## Shift Init (I)

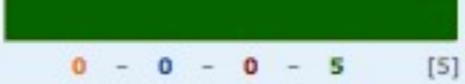
- \* Request selection
- \* the highest priority one is automatically selected

**JOB DETAILS (REQUESTS)**

Show **submittable** requests

Show **10** entries

Search:

S	Job Parameters	Priority	Graph Pending - Running - Failed - Done [TOT]	events per job	jobs d/nf/r	events d/nf/r
<input checked="" type="radio"/>	PRODSRIPT : <i>HadRecoilCocktail</i> GENERATOR : <i>B0B0bar_SL</i> DG : <i>DG_4</i> TCL : <i>PacProduction</i>	70	 0 - 0 - 65 - 2381 [2446]	1	2 381 (6.33%) 2 381 (6.33%) 37 600	2 381 (6.33%) 2 381 (6.33%) 37 600
<input type="radio"/>	PRODSRIPT : <i>HadRecoilCocktail</i> GENERATOR : <i>B0B0bar_Btag-HD_Cocktail</i> DG : <i>DG_4</i> TCL : <i>MixSuperbBkg_NoPair</i>	50	 0 - 0 - 0 - 5 [5]	80000	5 (0.11%) 5 (0.11%) 4 700	400 000 (0.11%) 400 000 (0.11%) 376 000 000

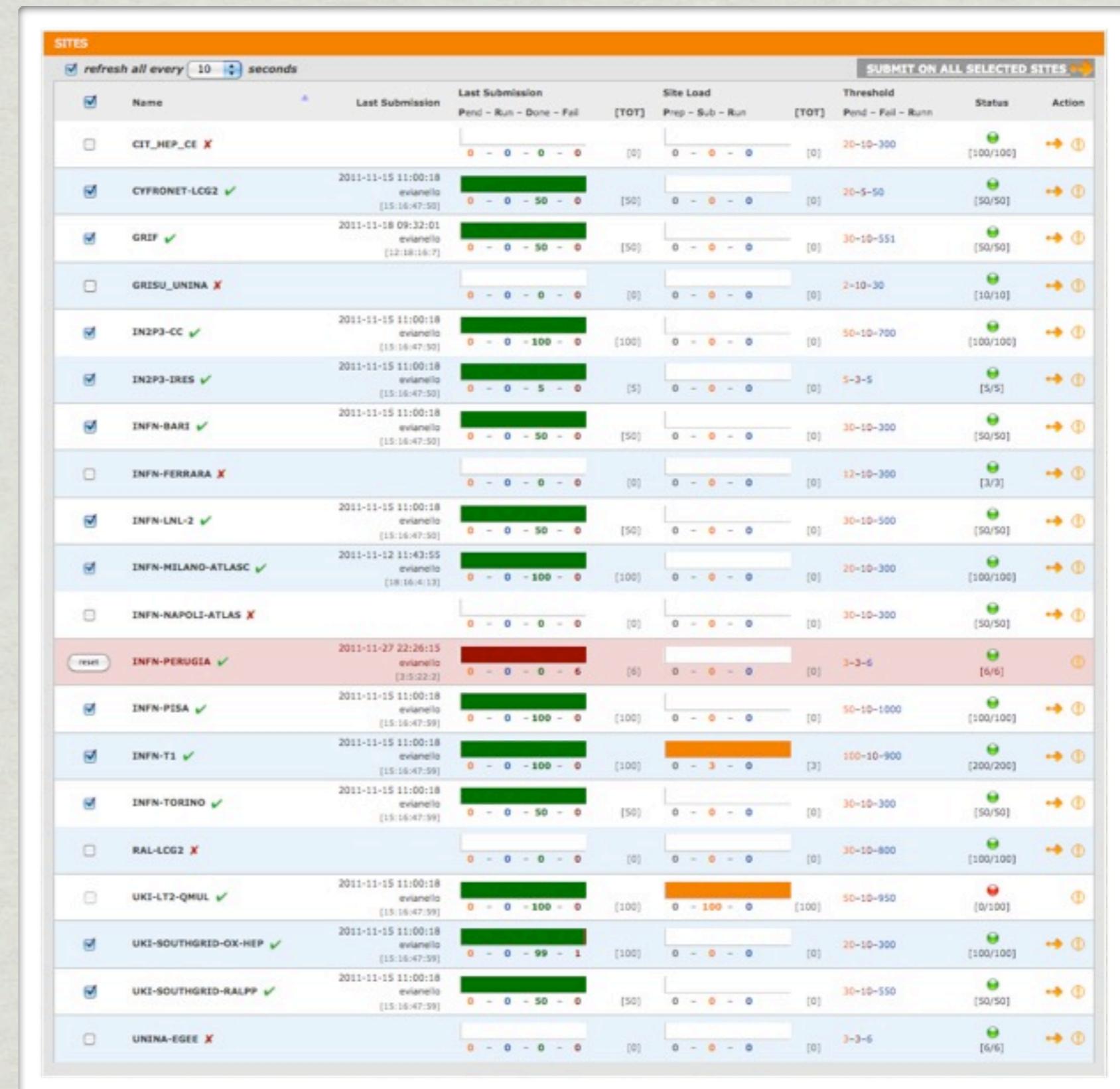
Showing 1 to 2 of 2 entries

First Previous **1** Next Last

# WebUI

## Shift Init (II)

- \* Site selection
- \* selection algorithm based on previous submission, load of sites, number of failures, ...
- NEW**
- \* health of site services will be taken into account soon...



# WebUI

## Shift Init (III)

- Summary of what will be submitted (below)
- Automatic submission dialog (above)

**NEW**

Automatic submission output

Submission status per site:

```
/data1/script_webui/FastSim/submissionscripts/2010_July/CYFRONET-LCG2_10001643_10001692.php
/data1/script_webui/FastSim/submissionscripts/2010_July/IN2P3-CC_10001693_10001792.php
/data1/script_webui/FastSim/submissionscripts/2010_July/IN2P3-IRES_10001793_10001797.php...
/data1/script_webui/FastSim/submissionscripts/2010_July/INFN-BARI_10001798_10001847.php...
/data1/script_webui/FastSim/submissionscripts/2010_July/INFN-LNL-2_10001848_10001897.php...
/data1/script_webui/FastSim/submissionscripts/2010_July/INFN-PISA_10001898_10001997.php...
/data1/script_webui/FastSim/submissionscripts/2010_July/INFN-T1_10001998_10002097.php...
/data1/script_webui/FastSim/submissionscripts/2010_July/INFN-TORINO_10002098_10002147.php...
/data1/script_webui/FastSim/submissionscripts/2010_July/UKI-LT2-QMUL_10002148_10002247.php...
/data1/script_webui/FastSim/submissionscripts/2010_July/UKI-SOUTHGRID-OX-HEP_10002248_10002347.php...
/data1/script_webui/FastSim/submissionscripts/2010_July/UKI-SOUTHGRID-RALPP_10002348_10002397.php...
```

**PRODUCTION DATA - SUMMARY**

Production Series:	<b>2010_July</b>
Software:	<b>V0.2.5 311</b>
Test release:	<b>Ifn:/grid/superbvo.org/production/FastSim/2010_September/test_release/V0.2.5_SL-5.3_x86_64_rev311.tgz</b>

**JOB BULK #1 - SUMMARY**

Request Parameters:				
PRODSRIPT		GENERATOR	DG	TCL
HadRecoilCocktail		B0B0bar_Btag-HD_Cocktail	DG_4	MixSuperbBkg_NoPair
Jobs' Type	Events per job	Log on db	Target site(s)	
normal	80000	no	INFN-T1	
#Jobs	Site		First RUNNUM	Last RUNNUM
50	CYFRONET-LCG2		10002454	10002503
50	GRIF		10002504	10002553
100	IN2P3-CC		10002554	10002653
5	IN2P3-IRES		10002654	10002658
50	INFN-BARI		10002659	10002708
50	INFN-LNL-2		10002709	10002758
100	INFN-MILANO-ATLASC		10002759	10002858
100	INFN-PISA		10002859	10002958
200	INFN-T1		10002959	10003158
50	INFN-TORINO		10003159	10003208
100	UKI-SOUTHGRID-OX-HEP		10003209	10003308
50	UKI-SOUTHGRID-RALPP		10003309	10003358
<b>905</b>				<b>72400000</b>

Production Request exists!

Input mode: **DRR**. Input path: **Ifn:/grid/superbvo.org/production/FastSim/2010\_September/input**  
output directory's name: **/production/FastSim/2010\_July/output/HadRecoilCocktail/DG\_4/B0B0bar\_Btag-HD\_Cocktail/%RUNNUM%**  
output directory's Ifn: **Ifn:/grid/superbvo.org/production/FastSim/2010\_July/output/HadRecoilCocktail/DG\_4/B0B0bar\_Btag-HD\_Cocktail/%RUNNUM%**  
log file(s): **/production/FastSim/2010\_July/output/HadRecoilCocktail/DG\_4/B0B0bar\_Btag-HD\_Cocktail/log/run%RUNNUM%.log**

2010\_July

Production Initialization and Script Generation    Automatic Submission

# WebUI

## Expert Init

**FASTSIM EXPERT UI FOR JOB SUBMISSION**

**Production:**

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

**Submission Sites:**

<input type="checkbox"/> CIT_CMS_T2B	<input type="checkbox"/> CIT_HEP_CE <b>X</b>	<input type="checkbox"/> CYFRONET-LCG2 <b>✓</b>	<input type="checkbox"/> GRIF <b>✓</b>	<input type="checkbox"/> GRISU_UNINA <b>X</b>
<input type="checkbox"/> IN2P3-CC <b>✓</b>	<input type="checkbox"/> IN2P3-IRES <b>✓</b>	<input type="checkbox"/> IN2P3-LPSC <b>✓</b>	<input type="checkbox"/> INFN-BARI <b>✓</b>	<input type="checkbox"/> INFN-CAGLIARI
<input type="checkbox"/> INFN-FERRARA <b>X</b>	<input type="checkbox"/> INFN-FRASCATI <b>✓</b>	<input type="checkbox"/> INFN-LNL-2 <b>✓</b>	<input type="checkbox"/> INFN-MILANO-ATLASC <b>✓</b>	<input type="checkbox"/> INFN-NAPOLI-ATLAS <b>X</b>
<input type="checkbox"/> INFN-PERUGIA <b>✓</b>	<input type="checkbox"/> INFN-PISA <b>✓</b>	<input type="checkbox"/> INFN-T1 <b>✓</b>	<input type="checkbox"/> INFN-TORINO <b>✓</b>	<input type="checkbox"/> RAL-LCG2 <b>X</b>
<input type="checkbox"/> UKI-LT2-QMUL <b>✓</b>	<input type="checkbox"/> UKI-SOUTHGRID-OX-HEP <b>✓</b>	<input type="checkbox"/> UKI-SOUTHGRID-RALPP <b>✓</b>	<input type="checkbox"/> UNINA-EGEE <b>X</b>	<input type="checkbox"/> VICTORIA-LCG2
<input type="checkbox"/> VICTORIA-LCG2-SL4	<input type="checkbox"/> WT2			

[Select all](#) | [supported](#) | [none](#)

**Job Details:**

Test Job?  Number of runs: **100** Number of events: **80000** Request: **[HadRecoilCocktail, 8080bar\_Btag-HD\_Cocktail, DG\_4, Mix5]** 

Log files to be stored in the bookeeping database

Test Job?  Number of runs: **50** Number of events: **1** Request: **[BtoKNuNu, B+B-\_Btag-HD\_Cocktail, DG\_0, MixSuperbBkg]** 

Analysis: **BtoKNuNu**  Generator: **B+B-\_Btag-HD\_Cocktail**  Geometry: **DG\_0**  Background: **All Backgrounds (MixSuperb)** 

 Production Request exists!

Log files to be stored in the bookeeping database  

**Submit Data And Generate Summary**

# WebUI

## Job Monitor

NEW

FASTSIM JOB LIST										
<a href="#">show filter dialog</a> <a href="#">refresh last search</a>										
Show <input type="button" value="10"/> entries <a href="#">hide/show columns</a> <input type="text" value="Search:"/>										
4030 jobs found matching the search criteria.										
runnum	events	Analysis	Generator	Geometry	Background	Status	GJid	Site	wct (s)	
<a href="#">10002949</a> evianello	1	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_4	MixSuperbBkg_NoPair	done	gjid	CYFRONET-LCG2	289.40	
<a href="#">10002948</a> evianello	1	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_4	MixSuperbBkg_NoPair	done	gjid	CYFRONET-LCG2	736.30	
<a href="#">10002947</a> evianello	1	HadRecoilCocktail	B0B0bar_SL	DG_4	PacProduction	done	gjid	CYFRONET-LCG2	997.80	
<a href="#">10002946</a> evianello	1	HadRecoilCocktail	B0B0bar_SL	DG_4	PacProduction	done	gjid	CYFRONET-LCG2	589.90	
<a href="#">10002945</a> evianello	1	HadRecoilCocktail	B0B0bar_SL	DG_4	PacProduction	done	gjid	CYFRONET-LCG2	655.00	
<a href="#">10002944</a> evianello	1	HadRecoilCocktail	B0B0bar_SL	DG_4	PacProduction	done	gjid	CYFRONET-LCG2	737.00	
<a href="#">10002943</a> evianello	1	HadRecoilCocktail	B0B0bar_SL	DG_4	PacProduction	done	gjid	CYFRONET-LCG2	1206.30	
<a href="#">10002942</a> evianello	1	HadRecoilCocktail	B0B0bar_SL	DG_4	PacProduction	done	gjid	CYFRONET-LCG2	897.00	
<a href="#">10002941</a> galvani	1	BtoKNuNu	B+B-_Btag-HD_Cocktail	DG_0	MixSuperbBkg	failed	gjid	INFN-BARI	5.00	
<a href="#">10002940</a> manzali	1	BtoKNuNu	B+B-_Btag-HD_Cocktail	DG_0	MixSuperbBkg	done	gjid	INFN-BARI	89.10	
Showing 1,081 to 1,090 of 4,030 entries										
<input type="button" value="First"/> <input type="button" value="Previous"/> <input type="button" value="107"/> <input type="button" value="108"/> <input type="button" value="109"/> <input type="button" value="110"/> <input type="button" value="111"/> <input type="button" value="Next"/> <input type="button" value="Last"/>										
table generated in '0000:00:02.65' (destroyed in: 0000:00:00.00)										

# Status

- \* The new Production Tools have been tested with both FastSim (V0.2.5 311) and FullSim (V0.0.2 183)
- \* Ready for production (FastSim)  
FullSim needs further development on the Severus modules
- \* Pre-production test will be performed with the actual releases of simulation software

session	job launched	job graph	events generated	total wct (s)
FastSim	4.393		1.454.363	4.566.483,40
FullSim	253		253	120.790,90

# Status

- \* Session creation is missing
- \* Integration with Nagios monitoring services is in progress
- \* Integration with Logging & Bookkeeping service (Grid infrastructure) is in progress

# Ferrara students leaving (very) soon...

- \* SBK4 + WebUI development by **E. Vianello**  
(graduating in CS tomorrow)
- \* Severus development by M. Favaro + **M. Manzali**  
(graduating in CS tomorrow)
- \* Ganga + Severus + ... by **A. Galvani**  
(graduating in March 2012)

# Thank you!

- \* A. Fella
  - \* E. Luppi
  - \* M. Manzali
  - \* L. Tomassetti
  - \* E. Vianello
- \* and the Distributed Computing Group