

# PRODUCTION SOFTWARE

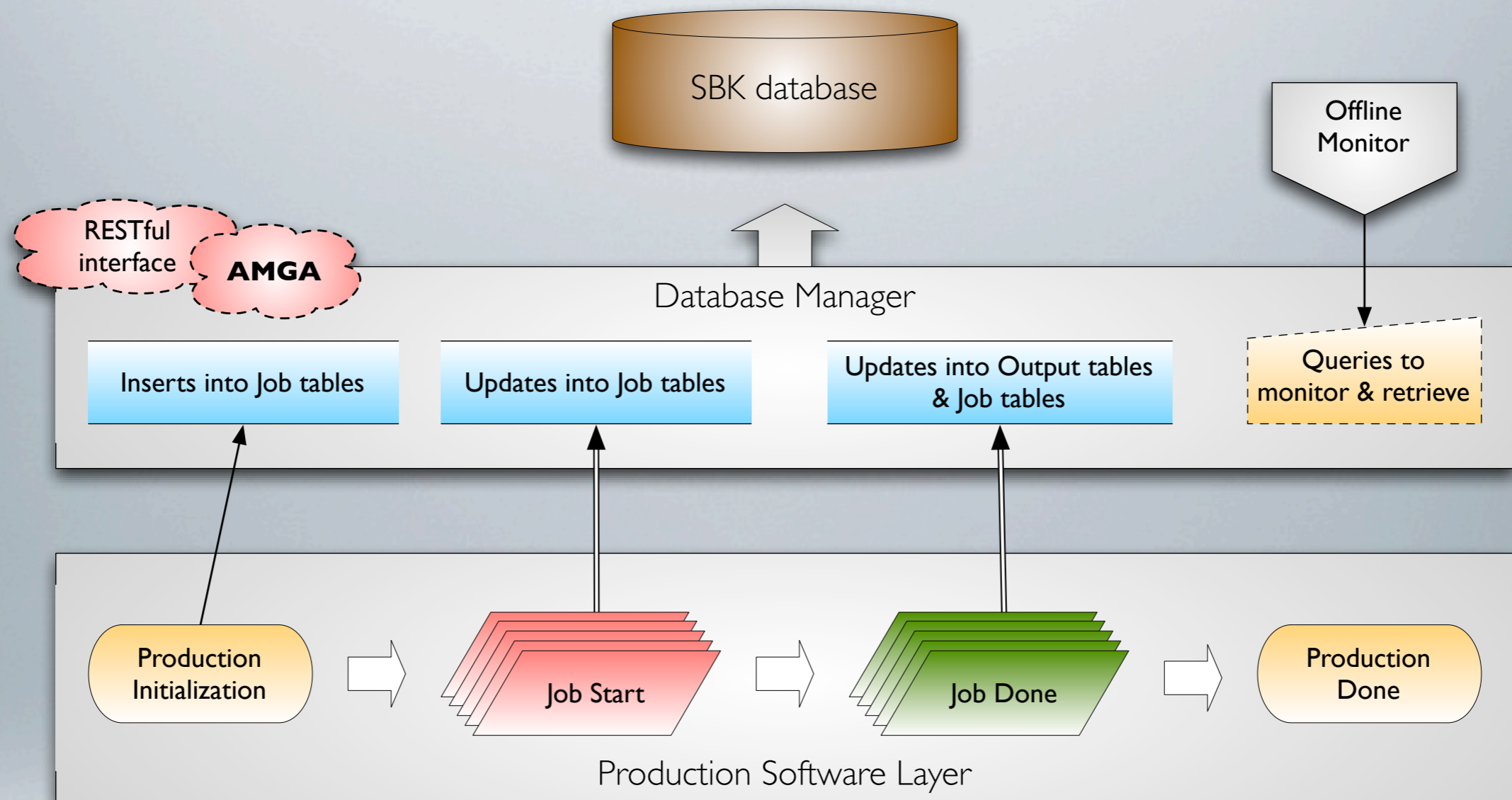
WebUI for local sites

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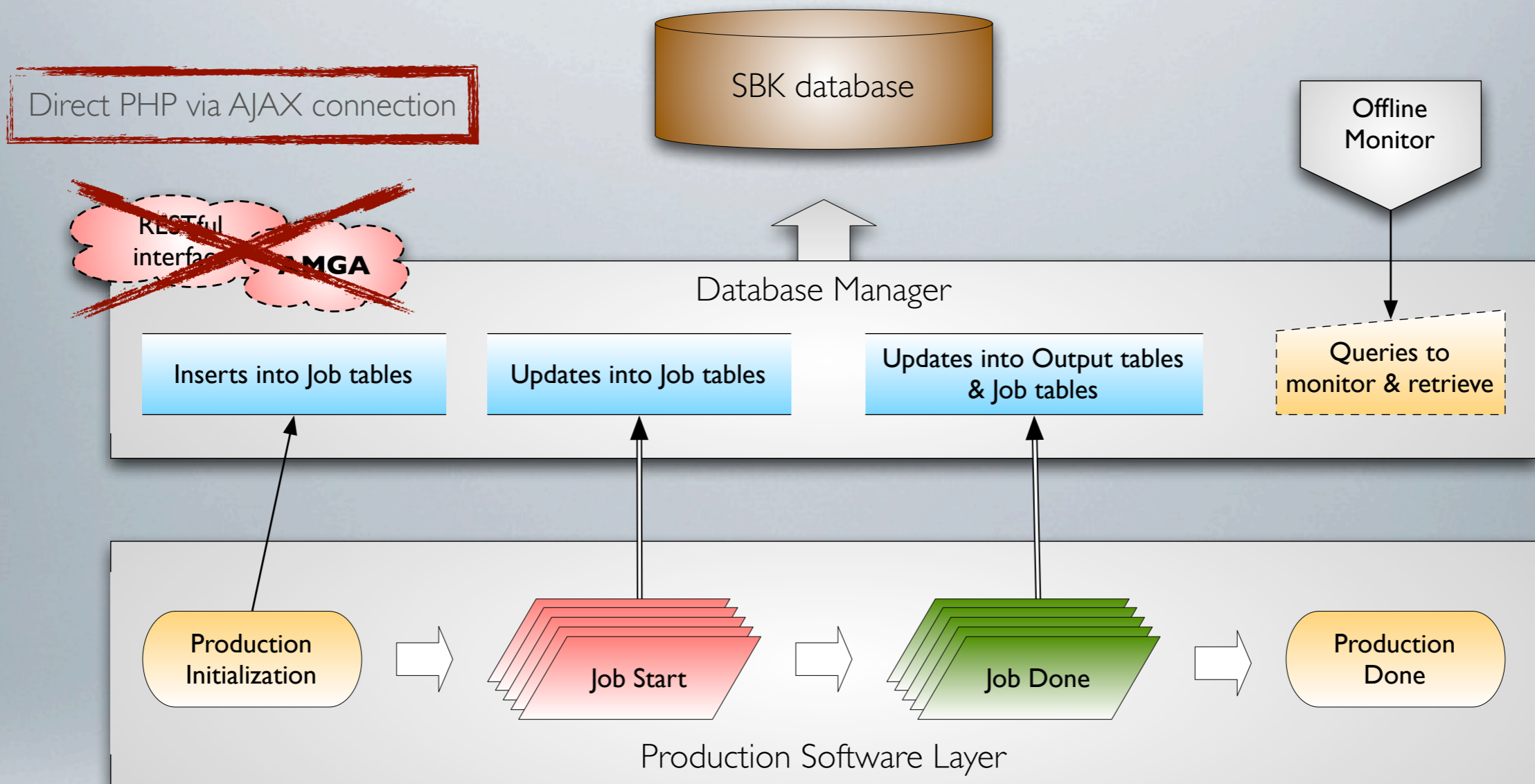
# WEB INTERFACE

- sbk Database [MySQL]
- Web UI, FastSim V0.1.3 [PHP, BASH scripts, AJAX, (Apache)]
- Job preparation [db Initialization]  
production, multi-bunches [DG, generator, #runs, #events]  
[input files, channel - V0.2.1]
- Job Submission [batch system: LSF/PBS]  
manual launch



# WORKFLOW

Fast Simulation – Production WebUI



# WORKFLOW

Fast Simulation – Production WebUI

## Production Initialization and Submission

### PRODUCTION FORM

#### Production Data

Production Series:

[Create new Production](#)

Data taken from database

Production Series:	2009_November
Production root:	/storage/gpfs_babar6/sb/prod/
Fast TAG:	V0.1.2
ARCH:	Linux26SL4_j386_gcc346
Release working Directory:	/home/BABAR/brownd/SuperB/FastSim/V0.1.2_prod/workdir/

Minimum Run Number:

Software Revision:

[Create new Revision](#)

# PROD INIT & SUBMISSION

Pull-down menu with Productions, New Productions,  
New Software Releases

### Job Details

# of Runs:  # of Events (per job):  Generator:  Geometry:

# of Runs:  # of Events (per job):  Generator:  Geometry:  [-]

# of Runs:  # of Events (per job):  Generator:  Geometry:  [-] [+]

Submit Data and Generate Summary

# JOBS BUNCHES

## SUMMARY

The UI will launch **3** set(s) of jobs (a total of **2000** jobs, **200000000** events) for the Production **2009\_November** with the following parameters:

PRODUCTION DATA - SUMMARY	
Production Series:	<b>2009_November</b>
Production root:	<b>/storage/gpfs_babar6/sb/prod/</b>
Fast TAG:	<b>V0.1.2</b>
ARCH:	<b>Linux26SL4_i386_gcc346</b>
Release working Directory:	<b>/home/BABAR/brownd/SuperB/FastSim/V0.1.2_prod/workdir/</b>
Revision:	<b>179</b>

JOBS DATA - SUMMARY						
Set	Number of Jobs	First RUNNUM	Last RUNNUM	Number of Events	Generator	Geometry
1	500	36310	36809	50000000 (100000 ea.)	ccbar	DG_1
/storage/gpfs_babar6/sb/prod/2009_November/FastSim/DG_1/ccbar/[36310...36809]/						
2	500	36810	37309	50000000 (100000 ea.)	ccbar	DG_4
/storage/gpfs_babar6/sb/prod/2009_November/FastSim/DG_4/ccbar/[36810...37309]/						
3	1000	37310	38309	100000000 (100000 ea.)	B+B-_SL	DG_1
/storage/gpfs_babar6/sb/prod/2009_November/FastSim/DG_1/B+B-_SL/[37310...38309]/						
<b>3</b>	<b>2000</b>			<b>200000000</b>		

General path to output files: [PRODRoot]/[PRODSERIES]/[PRODTYPE]/[GEOMETRY]/[GENERATOR]/[RUNNUM]

General path to log files: [PRODRoot]/[PRODSERIES]/[PRODTYPE]/[GEOMETRY]/[GENERATOR]/log/[RUNNUM].log

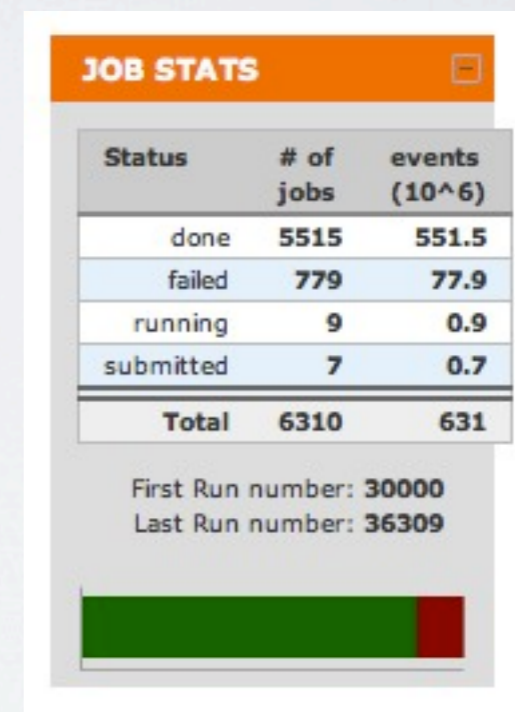
Please, double check the summary.

Use the form above to modify the data and generate a new summary or continue the submission.

# JOBS SUMMARY

# JOB SUBMISSION


- Web Interface inserts jobs data into database and prepares the jobs scripts to be launched @LOCALSITE
- Production Manager should manually launch just one script per submission
- Basic monitor



**JOB STATS**

Status	# of jobs	events (10 <sup>6</sup> )
done	5515	551.5
failed	779	77.9
running	9	0.9
submitted	7	0.7
<b>Total</b>	<b>6310</b>	<b>631</b>

First Run number: 30000  
Last Run number: 36309





# Production Monitor

## PRODUCTION SERIES

Production Series:

Data taken from database

Production Series:	2009_November
Production root:	/storage/gpfs_babar6/sb/prod/
Fast TAG:	V0.1.2
ARCH:	Linux26SL4_i386_gcc346
Release working Directory:	/home/BABAR/brownd/SuperB/FastSim/V0.1.2_prod/workdir/

## JOBS DATA

Runnum start end	# of events	Geometry	Soft release	Job Status	Grid Status	Grid Job Id
<input type="text" value="30000"/> <input type="text" value="36309"/>		<input type="text" value="DG_1"/>	<input type="text" value="ALL"/>	<input type="text" value="done"/>	<input type="text" value="ALL"/>	<input type="button" value="show"/>

- ALL
- BOB0bar\_generic
- B+B-\_generic
- ccbar
- uds
- ✓ B+B-\_taunu\_DX

10 jobs found matching the search criteria.

36280	100000	B+B-_taunu_DX	DG_1	V0.1.2 179	done	2183764
36281	100000	B+B-_taunu_DX	DG_1	V0.1.2 179	done	2183765
36282	100000	B+B-_taunu_DX	DG_1	V0.1.2 179	done	2183766
36283	100000	B+B-_taunu_DX	DG_1	V0.1.2 179	done	
36284	100000	B+B-_taunu_DX	DG_1	V0.1.2 179	done	
36285	100000	B+B-_taunu_DX	DG_1	V0.1.2 179	done	
36286	100000	B+B-_taunu_DX	DG_1	V0.1.2 179	done	

## JOB STATS

Status	# of jobs	events (10 <sup>6</sup> )
done	5515	551.5
failed	779	77.9
running	9	0.9
submitted	7	0.7
<b>Total</b>	<b>6310</b>	<b>631</b>

First Run number: 30000  
Last Run number: 36309



# MONITOR

# STATUS

- It worked @CNAF for November Production
- Successful scripts generation with proper parameters
- Successful job execution [started by the user]
- Automatic database updates
- Test with V0.1.3 depending on site status;
- explicit command line for submission:  
[e.g. `bsub -o ... -q ... -C ...`]
- prod\_root per site:  
[/base/path/to/files/]

# DISCLAIMER

- Everything must be tuned up and features added to match with future V0.2.1 !