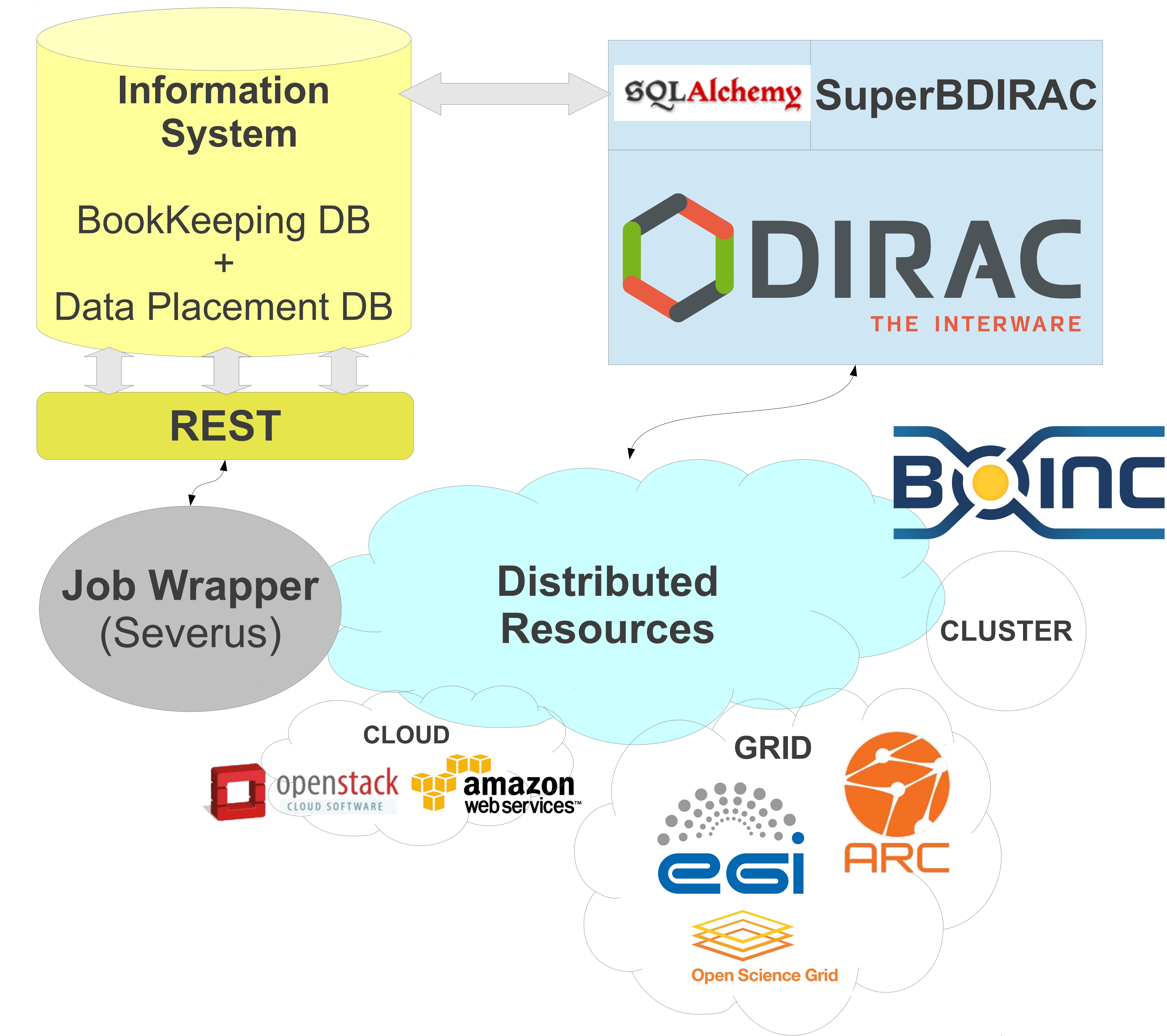


Dirac integration with a general purpose bookkeeping DB: a complete general suite for distributed resources exploitation

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Motivations:

Data Simulation and Analysis applications

Target:

Small and mid-size VO

Useful for:

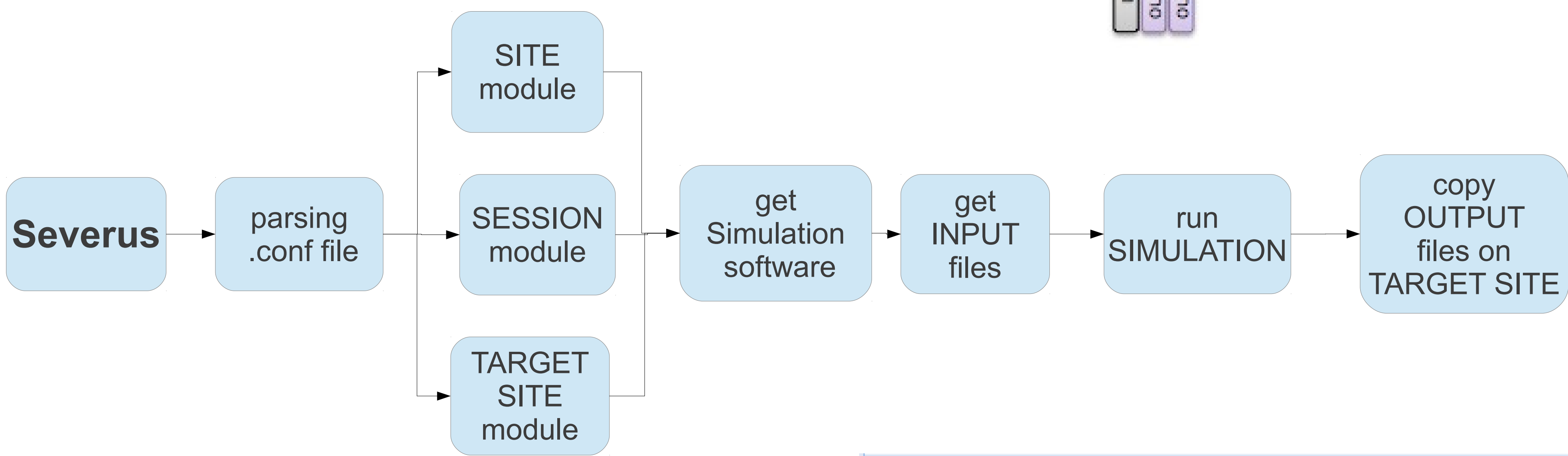
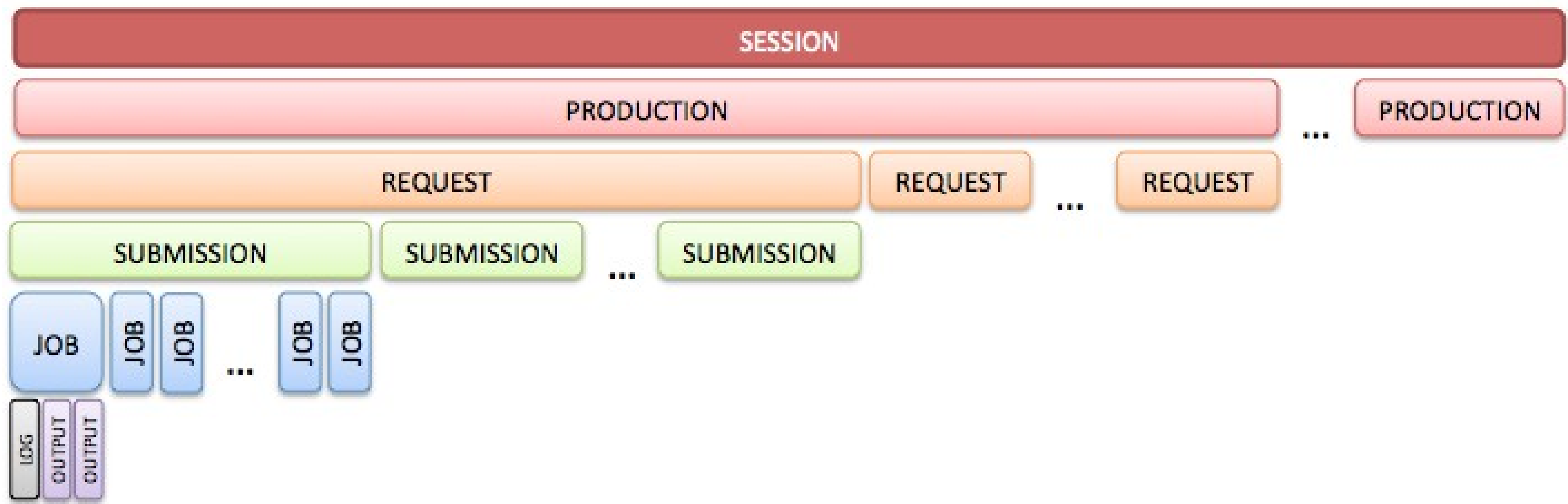
High CPU-consuming applications

Data driven applications

Reducing total amount of computational time by splitting the whole task in several parts and executing each one independently in separate computing resources

- Information System**
 - simulation metadata
 - dataset structure
 - data placement
 - executed jobs
 - site availability
- BookKeeping database**

Designed to fulfill general requirements of a typical simulation production



- Severus Job Wrapper**
- Copy software to WN
 - Copy input files to WN
 - Copy output files to SE and register on Catalog
 - Copy log in SE and bookkeeping DB
 - Update job status in bookkeeping DB



Job Monitor						
Job Status	Submitter	Prod Series	Run num	Submission time	Last update	Status reason
running	bsanteramo	2010_July	33001413	2013-09-14 10:12:22	2013-09-14 10:29:46	FastSim executed in 665.1 seconds. Copying output...
running	bsanteramo	2010_July	33001355	2013-09-14 10:12:22	2013-09-14 10:29:46	FastSim executed in 678.4 seconds. Copying output...
done	bsanteramo	2010_July	33001367	2013-09-14 10:12:22	2013-09-14 10:29:46	Output files copied in 7.0 seconds. Job completed.
running	bsanteramo	2010_July	33001385	2013-09-14 10:12:22	2013-09-14 10:29:46	FastSim executed in 679.0 seconds. Copying output...
done	bsanteramo	2010_July	33001352	2013-09-14 10:12:22	2013-09-14 10:29:44	Output files copied in 7.0 seconds. Job completed.
running	bsanteramo	2010_July	33001450	2013-09-14 10:12:22	2013-09-14 10:29:44	FastSim executed in 658.9 seconds. Copying output...
running	bsanteramo	2010_July	33001368	2013-09-14 10:12:22	2013-09-14 10:29:44	FastSim executed in 724.2 seconds. Copying output...
running	bsanteramo	2010_July	33001415	2013-09-14 10:12:22	2013-09-14 10:29:43	FastSim executed in 672.8 seconds. Copying output...
running	bsanteramo	2010_July	33001465	2013-09-14 10:12:22	2013-09-14 10:29:43	FastSim executed in 634.1 seconds. Copying output...
done	bsanteramo	2010_July	33001334	2013-09-14 10:12:22	2013-09-14 10:29:43	Output files copied in 7.1 seconds. Job completed.
done	bsanteramo	2010_July	33001348	2013-09-14 10:12:22	2013-09-14 10:29:43	Output files copied in 7.1 seconds. Job completed.
done	bsanteramo	2010_July	33001325	2013-09-14 10:12:22	2013-09-14 10:29:42	Output files copied in 7.1 seconds. Job completed.
running	bsanteramo	2010_July	33001372	2013-09-14 10:12:22	2013-09-14 10:29:42	FastSim executed in 719.5 seconds. Copying output...
running	bsanteramo	2010_July	33001322	2013-09-14 10:12:22	2013-09-14 10:29:41	FastSim executed in 674.7 seconds. Copying output...
done	bsanteramo	2010_July	33001353	2013-09-14 10:12:22	2013-09-14 10:29:41	Output files copied in 6.9 seconds. Job completed.
done	bsanteramo	2010_July	33001391	2013-09-14 10:12:22	2013-09-14 10:29:40	Output files copied in 6.8 seconds. Job completed.
running	bsanteramo	2010_July	33001407	2013-09-14 10:12:22	2013-09-14 10:29:40	FastSim executed in 670.9 seconds. Copying output...
done	bsanteramo	2010_July	33001376	2013-09-14 10:12:22	2013-09-14 10:29:36	Output files copied in 7.0 seconds. Job completed.
done	bsanteramo	2010_July	33001423	2013-09-14 10:12:22	2013-09-14 10:29:34	Output files copied in 7.0 seconds. Job completed.
done	bsanteramo	2010_July	33001342	2013-09-14 10:12:22	2013-09-14 10:29:31	Output files copied in 7.0 seconds. Job completed.
done	bsanteramo	2010_July	33001328	2013-09-14 10:12:22	2013-09-14 10:29:31	Output files copied in 6.8 seconds. Job completed.
done	bsanteramo	2010_July	33001324	2013-09-14 10:12:22	2013-09-14 10:29:28	Output files copied in 6.8 seconds. Job completed.
done	bsanteramo	2010_July	33001327	2013-09-14 10:12:22	2013-09-14 10:29:28	Output files copied in 6.8 seconds. Job completed.
done	bsanteramo	2010_July	33001341	2013-09-14 10:12:22	2013-09-14 10:29:24	Output files copied in 7.0 seconds. Job completed.
done	bsanteramo	2010_July	33001359	2013-09-14 10:12:22	2013-09-14 10:29:20	Output files copied in 6.8 seconds. Job completed.
done	bsanteramo	2010_July	33001403	2013-09-14 10:12:22	2013-09-14 10:29:18	Output files copied in 7.1 seconds. Job completed.