

PAEC_2 CMS Production Status

Software Installed

CERN softwares tool kit installed and configured at PAEC_2

DAR Tools	MC Run Job	Boss	PBS
cmkin_1_0_2	McRunJob_fin040827b	boss-v3_3_7	Openpbs-2.3p12-1
ccmkin_2_0_1	Shahkar-v2.2-linux+2		Openpbs-excechost-2.3p12-1
cms132	Python		
cms133			
OSCAR_2_4_5			
ORCA_7_6_1			



Hardware Configuration

Server and client setup

ROLE	Machine	Operating System
Application Server	Intel Xeon processor 2.4GHz	LINUX
Network server	DELL Server	LINUX/windows
Backup Application Server	Intel Xeon processor 2.4GHz	LINUX
7 Client Machines	Intel processor 2.2GHz (P-IV)	LINUX

CMS Production

Current status of CMS Monte Carlo Production Jobs

Assignment ID/Status	Dataset ID/Name	Group Name	No. of Events (Produced/Required)	Production Cycle
3704 / Done	1099 / Validation_KANUPP	SWtest	100 / 100	GenPYT102
3707 / Done	1099 / Validation_KANUPP	SWtest	100 / 100	Cms132
4998 / Done	1370 / test_PAEC2_prod_cycle	SWtest	10000 / 10000	GenPYT102
5004 / Done	1370 / test_PAEC2_prod_cycle	SWtest	10000 / 10000	Cms133
5251 / Done (Error in the Input)	1370 / test_PAEC2_prod_cycle	SWtest	0 / 10000	Hit245_2
5873 / Created	1370 / test_PAEC2_prod_cycle	SWtest	0 / 10000	2x1033PU761_TkMu_2
5931 / Done	1534 / test_PAEC2_new_prod_cycle	SWtest	10000 / 10000	GenPYT102
5932 / Done	1534 / test_PAEC2_new_prod_cycle	SWtest	10000 / 10000	Cms133
6656 / Done	1626 / test_PAEC2_041015	SWtest	100 / 100	GenPYT102
6657 / Running	1626 / test_PAEC2_041015	SWtest	0 / 100	Hit245_2



Total no. of events generated

No. of events generated related to CMKIN : 20200

No. of events generated related to CMSIM : 20200

No. of events generated related to OSCAR : Nil

This generated events is approximately = 11GB data



Requirement/Problems

Software Installation Issues

- Technical training
- McRunjobs complete installation guides
- McRunjob version compatibility with assigned jobs

Hardware Issues

- High Speed Internet connectivity (128 kbps), one year agreement expired
- To become a Grid node full duplex minimum 512 kbps connectivity is required (Budget allocated)
- Dedicated telephone line for separate modem
- Network equipment (Giga Bit solution), current 100 Mbps



LCG Production

- Globus 2.2 installed, local certificate generates
- Technical support required
- One person from NCP for 1 to 2 weeks at PAEC_2 (KANUPP)



Other Issues

- Projects with NED/SirSyed University and M.Engg. (KINPOE) students
- External Examiners for projects
- Grid Issues & Physics R & D on generated data