Status of CMS Production Center

@ NUST Institute of Information Technology

Presented By
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Project Supervised By
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Hardware Resources

- Available Computing Resources
  - 10 Pentium 4 Machines with 1 GB RAM each
  - 4 are currently being utilized for production

- Storage Resources
  - Hard Drives
    - 10 * 40 GB = 400 GB
    - 1 * 200 GB = 200 GB
  - Tape Storage
    - 10 * 40 GB = 400 GB

Total Storage: 1 TB approx.
Internet Connectivity

Uplink
- 1 MB DSL (Available 24*7)
  By NTC (National Telecom Corp)
- 512 Kb from Micronet (Backup)

Downlink
- 1 MB DSL (Available 24*7)
  By NTC (National Telecom Corp)
- 512 Kb from Micronet (Backup)
### No. of Events produced

<table>
<thead>
<tr>
<th>Assign ID</th>
<th>DAR</th>
<th>Prod Step</th>
<th>No. of Events Produced</th>
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<td>CMKIN_1_0_2</td>
<td>CMKIN</td>
<td>100/100</td>
</tr>
<tr>
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<tr>
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<td>CMS132</td>
<td>CMSIM</td>
<td>100/100</td>
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<tr>
<td>5001</td>
<td>CMS133</td>
<td>CMSIM</td>
<td>2000/10000</td>
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<td>99/100</td>
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<td>9999/10000</td>
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Current Assignment

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<tr>
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<td>Digi w/PU</td>
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</table>

- Downloaded the job
- Current Task
  - Connect to CASTOR to get the DAR
    - Installed related RPMs
    - Linux system which was used to request the certificate was upgraded
    - We have re-requested the certificate
Available Man Power

- Muhammad Adeel Zafar  
  Research Assistant
- Muhammad Atif Mehmood  
  Research Assistant
- Yasir Naveed  
  CMS Project Research Students
- Sajjad Haider  
  CMS Project Research Students

Being Supervised by

- Prof. Dr. Arshad Ali
- Kamran Munir
Status of Production Center

● Softwares Installed
  ● McRunjob fin041029b
  ● Shakhar version 2.2
  ● Python 2.4
  ● Boss-v3.3.7
  ● OpenPBS
  ● Mysql

● Dar Files
  ● CMKIN_1_0_2
  ● CMS133
  ● COBRA_7_8_5
  ● OCSAR_2_4_5

● PU Data
CMS-LCG Production

- Currently we have installed the RPMs for LCG_2_4_0 UI

- Todo
  - Configuration of LCG UI
  - Setup SE
  - Setup CE
  - Run Production on Grid
Other Matters

- Suggestion

  - Is it possible to share RC Installation Guide among the Production centers.
Thanks