USCMS Tier 3 Workshop: Introduction

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History & Plan

- ## OSG All Hands Meeting (March @ Fermilab), CMS Tier 3 Session: Much discussion
  - Some conclusions:
    - Why have a Tier 3? CRAB jobs (see Eric's talk)
    - Phedex install & configuration is hard!
      - Central phedex service for Tier 3s (see Kurtis' How-to)
      - Workshop (see Carl's tutorial)

- ## CMS software stack
  - Install by hand (see Patrick's tutorial)
  - Install via grid job automatically (Bockjoo Kim)

Setup of a CMS Tier 3

- Historically: no requirements, lots of options ➡ wild west
- CMS Tier 3s: organic evolution, interested sites take initiative, demonstrate proof-of-principle, provide community support ➡ Social network!
- Support: hyper news, biweekly EVO meetings, Rob & Doug, savannah tickets, GOC, OSG campfire, mailing lists
- Couple months to set up (depending on effort & experience), <0.25 FTE to maintain
- Software layers
  - OS + batch cluster: both possibly chosen by non-CMS
  - OSG (also lots of options)
  - CMS specific

Support

- hyper news
  https://hypernews.cern.ch/HyperNews/CMS/get/osg-tier3.html
- biweekly EVO meetings
  http://evo.caltech.edu/evoGate/koala.jnlp?meeting=eiese9vnv2a8a9aDIi
- Rob & Doug: snihur@fnal.gov   drjohn@pizero.colorado.edu
- Malina's Tier 3 admin guide
  http://hep-t3.physics.umd.edu/HowToForAdmins/index.html
- USCMS Tier 3 computing twiki
  https://twiki.cern.ch/twiki/bin/view/CMS/USTier3Computing
- savannah tickets
  https://savannah.cern.ch/
- GOC tickets
  https://ticket.grid.iu.edu/goc/open
- OSG campfire: Real-time chat 3 days per week, 4 hrs per day
  https://twiki.grid.iu.edu/bin/view/SiteCoordination/ChatCalendar
- OSG Tier 3 twiki
  https://twiki.grid.iu.edu/bin/view/Tier3/WebHome