



# NOvA Feedback

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(with some feedback from NOvA Offline)

# NOvA Computing Overview



- Central Disk: Bluearc
- Archival Storage: Enstore
  - FTS + SAM/ART streamlining crucial
- Interactive login: SLF VMs
- Batch processing: local Grid slots:
  - Major effort to use CVMFS and offsite resources
- Database:
  - Working on new Database Interface (DBI) capable of handling NOvA peak usage and scaling
- Offline software: ART -- SCD support crucial

# NOvA Computing Overview



- Software and Equipment
  - Nova DocDB (8500+ documents)
  - Web services: Redmine, ECL, Sharepoint,
  - Version control repositories:
    - Currently migrated from CVS to SVN
    - Use SRT for software build system
    - Use UPS/UPD for product deployment

From everything I heard today, it seems like SCD is  
doing a great job  
and has all of the right issues in mind  
going forward.

# Feedback



- Communication could be improved regarding planned and unplanned downtimes:
  - Some status webpages aren't available offsite
  - Example from grid downtime yesterday
  - Sending a monitoring website address with each downtime email could be useful
- Working to store Metadata in the Art files  
(by default files will be self-supporting and ready to be transferred to SAM)
- Blue Arc stability – much better lately

# Feedback



- Unified tools and training tutorials across frontiers seems valuable (job submission, disk space monitoring/managing, code availability offsite...)
- Accessing offsite resources is crucial
- Improved monitoring tools would be useful: grid and disk space
- Accessing large files from grid jobs is a challenge (even onsite) – Library event matching an example at NOvA...



Thanks for taking care of our computing needs!