Progress with LEP and CERNLIB

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CERN Program Library

- Documentation (Thanks to Anxhela, Sünje, and Artemis)
 - Short Write-ups
 - 317 records in CDS' Software Documentation archive
 - Long Write-ups
 - 5 Imported, 29 ready for import: <u>INC0844460</u>
- Code:
 - Moving to cvmfs repository: <u>SPI-941</u>
 - Thanks to Matthias for getting me in touch with Benedikt



ALEPH Experiment

- Documentation
 - Website needs watching during AFS migration
 - <u>Internal documents</u> on CDS
- Software
 - Access: <u>/cvmfs/alpeh.cern.ch</u>
- Virtual Machine:
 - SLC 4/5/6 or CernVM running SLC4 container

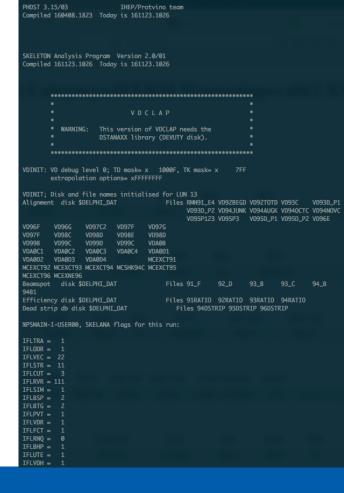
- Data (Thanks to Massimo and German)
 - Access: /eos/experiment/aleph/castor2 015/ on eospublic.cern.ch
 - Archive: /castor/cern.ch/aleph/
 - Organized by year/energy/process
 - Catalogue on <u>EUDAT</u>
 - Copies: CERN, INFN Pisa, CINECA

In good shape thanks to Marcello and Gerri



DELPHI Experiment

- Documentation [DELPHI-35]
 - Website needs watching during AFS migration
 - Suggestion: Internal documents to CDS
- Software (Thanks go to Ulrich)
 - Available from CVMFS for both SLC6 and CC7
 - Access: <u>/cvmfs/delphi.cern.ch</u>
 - Source code archived as CDS record <u>2225919</u>
- Data (Thanks to Massimo and German)
 - Access: /eos/experiment/delphi/castor2015 on eospublic.cern.ch
 - Archive: /castor/cern.ch/delphi
 - Copies: CERN, University of Cantabria
- Computing environment:
 - SLC6-based CernVM
 - CC7 based lxplus/lxbatch instances





OPAL Experiment

- Documentation
 - Website needs watching during AFS migration
 - Suggestion: Internal documents (especially primer) to CDS
- Software (Thanks go to Matthias)
 - Script to sync code on <u>gitlab</u>
 - To be synchronized from afs to: <u>/cvmfs/opal.cern.ch</u>
- Data (Thanks to Massimo and German)
 - Access: /eos/experiment/opal/castor2015 on eospublic.cern.ch
 - Archive: /castor/cern.ch/opal
 - Additional copies: Max Plank Computing & Data Facility

14/03/2017

- Virtual Machine:
 - SLC6 based CernVM
 - SLC6 based lxplus instances

```
ROPE Event loop
      I->I- Read a new event: call USHEAD for user selection.
       ->I- (unpack the compressed data if necessary)
         I- Call user routine USBAT with argument -2
         I- Call user routine USBAT with argument IIFDAC
         I- Call OD processor
         I- Call user routine USBAT with argument IIFODC
         I- Call ODTOSI Phi only
         I- Call user routine USBAT with argument 0 (Zero)
      I<-I- Write event structure to output streams.</p>
FZIDIA. LUN= 22 READ ERROR
        IOUEST(1/2/3) = -5
        IOUEST(11-) = -5 215 0
                                             on unit 22
FZIDIA. LUN= 22 READ ERROR
        IOUEST(11-) = -5 215 0
ROTRIG- 11- E 2 consecutive errors
                                             on unit 22
FZTDIA. LUN= 22 READ ERROR
        IQUEST(1/2/3) = -7
        IOUEST(11-) = -5 215 0
ROTRIG- 12- E More than 2 consec. errors on unit 22
error in CFGET : Is a directory
FZIDIA. LUN= 22 READ ERROR
        IOUEST(1/2/3) = -8
        IQUEST(11-) = -5 215 0
ROTRIG- 12- E More than 2 consec. errors on unit 22
error in CFGET : Is a directory
```



DPHEP Round Table

GPHIGS

- Proprietary implementation of PHIGS
- OPAL and DELPHI use it for the event display
- FEI/Thermo Fischer Scientific holds the rights
- We have the latest binaries

- Can we distribute the binaries on cvmfs?
- Can we get the source code?
 - Effort to build for modern OS
- FEI will sell us licenses
 - Budget?



Thank you!



