

CRAB Status Report

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Outline

Introduction

CRAB status

PubDB

CRAB status

CRAB issues

Summary



Introduction

- ▶ Where are we?
- ▶ PhedEx (Tim/Lassi)
- ▶ CRAB (Stefano)
- ▶ PhySh (Giulio)
- ▶ GROSS (Stuart)



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Publication status

- ▶ PubDB 3.1 released by Alessandra some days ago
- ▶ Its use is mandatory for the Data Discovery as done by CRAB
- ▶ Deployment in all Data holder sites started: **too slow!!!**
- ▶ Publication of Dataset started as well: **too slow!!!**
- ▶ Getting better, but site producing or hosting data must understand and acknowledge the need of publication



PubDB Deployment and publication

- ▶ PubDB 3.1 status:
 - ▶ CERN: **No! V2.4**
 - ▶ CNAF: DST871 ok, other dataset to be published
 - ▶ FNAL: **Ok!!**
 - ▶ PIC: **Ok!!**
 - ▶ RAL: ?
 - ▶ FZK: V2.7
 - ▶ IN2P3: working...
 - ▶ Bari
 - ▶ LNL: only 1 dataset (Digi)
 - ▶ Pg: (new entry)



CRAB status

- ▶ CRAB under test in view of Feb. 4th tutorial
- ▶ Using new PubDB 3.1
- ▶ Active testing by some beta-tester
- ▶ Feedback: bugs, requests etc



CRAB issues

- ▶ Use from lxplus
- ▶ lxplus can act as User Interface just sourcing a script
- ▶ lxplus is now **Scientific Linux 3**
- ▶ LCG 2.2 (actual version deployed) is still based on RedHat 7.3
- ▶ Today CRAB uses exe and libs compiled by user on UI
- ▶ **lxplus cannot be used to submit jobs via CRAB to LCG**
- ▶ lxplus7 or any other UI based on RH7.3 is fine!
- ▶ LCG v2.3 (foreseen soon) will be based on SLC3



CRAB issues (II)

- ▶ CRAB Data Discovery (via Ref/PubDB) is Dataset/Owner based
- ▶ User typically wants to access more than that!
- ▶ Typical use-case is DST **and** Digi, or DST **and** MCInfo, etc. . .
- ▶ Must understand from PubDB infos if the catalog chosen contains more than just what asked for
- ▶ Eventually find other catalogs if needed (and if present on site)
- ▶ Take care of using just the correct Meta
- ▶ **Complex issue!**
- ▶ Working on an *interim* solution for CRAB (not yet ready)



CRAB issues (III)

- ▶ Development on PubDB to include needed information
- ▶ As stressed many times, a unique catalog for all EVD would ease the issue
- ▶ Information publication still needed!



Summary

- ▶ PubDB V3.1 deployed in several sites with some Dataset publication done
- ▶ More effort is needed by site manager: **Data hosting without publication is useless**
- ▶ CRAB development going on, real user started to use it to access real Dataset
- ▶ **CRAB Tutorial scheduled Friday 4th**

