Wrap-Up

CernVM Users Workshop
6th March 2015
Many thanks for the encouraging, positive, and constructive comments!

- Feedback from all LHC experiments
- Feedback from ASGC, OSG, EGI, WLCG
- Exciting developments:
  - Shoal
  - Vac and Vcycle
  - Cern@School
  - EGI Cloud Federation Marketplace
  - CernVM-FS uploaders in OASIS and EGI
  - Data Bridge to connect volunteer computing resources
  - ...

- In general two themes:
  - How to harness HPC resources
  - Carving out products from “CernVM service”
There is interest in the CernVM image building toolchain (instead of CernVMs being handed over)
  - In particular for communities outside WLCG
  - For creating Open Data Portal snapshots
CernVM Online: measurement context popularity
“Tutorial” style documentation would be helpful for less technical users
Some interactive tasks difficult: OpenGL, latex
Use of CernVM-FS without root privileges (HPC, containers, opportunistic clusters)

“Secured repositories”: we would be happy to work with interested parties and integrate patches; how are the priorities from our community on this topic?

Interest in full OS X support beyond LHC communities

CernVM-FS packages should be available on CERN worker nodes

Publish turn-around time could be shorter and more predictable (traceability of the cache propagation)

It would be helpful to be able to inspect (block) new and updated files on Stratum 0/1

Installation of the Stratum 0 could be easier, perhaps assisted by a Puppet module

Precise client side diagnose tools would be appreciated to quickly figure root cause of problems

In particular difficult on NFS installations
Should we have a knowledge base of VM best practices and performance tuning?

How are the priorities from our community wrt. encrypted repositories?

How do we proceed with the maintenance of the “config repositories” One for EGI, one for OSG?

Are the CernVM-FS uploader service from EGI/OASIS seen as products that can be given to other users? Is there a need for a dedicated API access to the release manager machines (instead of ssh login)?

For the union file system on the server: would OverlayFS be acceptable given it is a technology preview for RHEL7.1?

How can we improve Stratum 1 DoS protection? Is the fallback proxy an answer or do we just create a default bottleneck?

What would it take to use Shoal in WLCG?

Can the data bridge replace Co-Pilot?