

# Miscellaneous SIT Issues

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SIT Session During Software Week

# Coordination

- The CHEP 2006 paper has been accepted by NIM.
  - The cost of printing three color figures is being split between Indiana University, Queen Mary, and LAL.
  - Thanks go to all those who worked on the article.
    - Special thanks go to Solveig Albrand for encouraging us to write the article and to Traudl Hansl-Kozanecka for taking care of all of the details at the very end to get article approved.
- HyperNews code maintenance for ATLAS
  - Stephen Haywood and I are meeting tomorrow with Stefan Roiser (from the SPI project) and representatives of the other groups using HyperNews (e.g. CMS) about finding someone to maintain the HyperNews system.
    - Currently the HyperNews search function does not find postings made to ATLAS HyperNews forums after July and there is no obvious person to fix the problem.

# SIT Personnel

- There have been a number of changes to the people working on the SIT:
  - Nir Amran (Tel Aviv) is now maintaining Doxygen.
  - Several people from Germany have begun working on platform and code porting issues: Stefan Kluth, Stefan Stonjek, Wolfgang Friebel, and Harald Vogt.
  - Brinick Simmons (UCL) has moved to spending 50% of his time on Software Librarian work. The other half of his time is still spent working on the RTT.
  - We need to find a coordinator for the computing web pages.
    - This person will probably end-up moving most of the computing web pages from static web pages to Twiki web pages.

# tcsh

- There have been problems using Athena with tcsh because the default maximum size for environmental variable on tcsh is half as long as it is for other shells. Since the introduction of projects, \$PATH gets to be too long to fit in the max length of a variable.
- An request to IT was made that the size be increased in the SLC4 distribution but it turned out the max size is actually set by Red Hat and IT was unwilling to change it.
- For now tcsh is not supported for use with athena.
- Rolf Suester has an unofficial work around - see:

<https://hypernews.cern.ch/HyperNews/Atlas/get/cernCompAnnounce/227.html>

# Use of SLC4

- While we are building SLC4 versions of athena and CERN is completely converted to the use of SLC4, we are still installing SLC3 versions of athena on all production sites.
  - By default the kit installation procedure has been installing an SLC4 version of athena on and SLC4 site. This has been changed so that an SLC3 version is always installed.
  - The SLC4 build needs to be validated.
- We should plan for converting to running the SLC4 version (at least in 32 bit mode).
  - I believe that there are still a number of GRID sites running SLC3 and this probably represents the biggest obstacle to converting to SLC4.

# Release Building & Validation

- The tag approval process continues to tinkered with and optimized.
  - Thanks go to the tag collector team for rapidly responding to requests for changes to the tag collector.
- The release building team is working on a scheme to simplify making numbered releases by using a nightly build for the release and the distribution kit.
- We are pushing to get code moved to configurables.

# Space on AFS

- We continue to occasionally run out of AFS space during the nightly builds. Space is also tight for the RTT.
  - Work is underway to strip unneeded files from the release and to compress the output files generated by the tests run by RTT.
- There are still occasional hiccups where AFS just loses contact with files or directories.

# RTT Shifts

- There has been discussion with Jon Butterworth and Brinick Simmons about running shifts to monitor the RTT.
  - I was supposed to follow up on setting up a schedule for the shifters but I haven't found the time to do this.
  - Brinick Simmons estimated that it takes two hours in the morning to exhaustively check the previous day's results.
    - The shifters would also occasionally check that the RTT was running without problems throughout the work day.

# Follow-up to Documentation Review

- There are a number of items from the July documentation review that we need to follow-up on:
  - A final cleaning needs to be applied to the Twiki pages and then they need to be certified.
  - The instructions for browsing Doxygen need to be cleaned-up and made consistent.
  - The top-level SIT static web pages need to be made consistent with the top-level SIT Twiki pages

# Requirements Files

- Two random items:
  1. It is possible for circular references between different requirements file to sneak into software releases. The distribution kit does not like this.
  2. While running the documentation reviews, Stephen Haywood got strong feedback that a single consistent requirement file should be shown in tutorials and introductory materials for new users.
    - There are now a large number of vary example requirements files floating around that vary slightly.

# Shared Code between On and Offline

- The pixel software community has raised the issue of what to do about source code that is used by both the off and online.
  - A number of ideas have been suggested.
  - We probably should have a common scheme for doing this rather than letting each developer make their own method.

# Final Slide

- I ask all speakers to try to honor the 15 minute time limit (10 minutes would be better).
- Thanks for attending the session.