

Trigger Validation

TAPM Open meeting
2 October 2007

Ricardo Goncalo

Announcement:

- David Strom to replace Olya in the trigger validation coordination
- Will start to devote more time to validation coordination at the end of October
- Welcome to David!
(well ...he's already involved!)

Current status

- Last week: 13.0.30 built on Tuesday
 - Missing features from menu etc
 - A few bugs found in the meantime and fixed in production cache
- Today: 13.0.30.1 production cache
 - Needs to be built this week (today) to be used for detector paper performance section
 - AOD size is a concern:
 - ~250 kB/ev with trigger – comparable to rel.12 (but larger menu)
 - TrigInDetTracks from B-physics full scan seem to be the largest contributor
 - Memory leaks are still a concern!
 - Seem to be at the same level as 13.0.20.3 (note: again with a larger menu)

Validation Workshop

- Half-day Trigger Validation Workshop last week (26 Sep.)
 - <http://indico.cern.ch/conferenceDisplay.py?confId=20715>
 - 20 people attending
 - Discussion
 - Tutorials:
 - Code performance and memory profiling
 - Validation tools hands-on tutorial
 - Use of standalone DCube

Trigger Validation Workshop (26 September 2007) - Windows Internet Explorer

http://indico.cern.ch/conferenceDisplay.py?confId=20715

Web assistant

Google

Trigger Validation Workshop (26 September 2007)

Trigger Validation Workshop

Wednesday 26 September 2007
from 14:00 to 19:00
at CERN (Council Chamber)
chaired by: Ricardo Jose Morais Silva Goncalo (Royal Holloway)

Description: The aims of this workshop is to review the status of the validation activity and to plan ahead for the period up to data taking. An overall picture of the developments needed in the next few months should come out of this meeting.

Apart from the above discussion, most of the meeting will be taken by a tutorial on the available validation tools. The idea is to familiarize everyone with these tools to make the validation work for each slice easier and quicker. This should be a hands-on tutorial, please bring your laptops.

A phone connection will be provided for those outside CERN. Please dial +41 22 76 77000 and ask for Trigger Validation Workshop, or Ricardo Goncalo

Material: [Minutes](#)

Wednesday 26 September 2007 | [top](#)

Wednesday 26 September 2007 [top](#)

14:00	Trigger code performance and monitoring (1h00)	Slides	Tutorial	Frank Winkmeier (CERN)
15:00	Discussion on validation activity (1h00)	Slides		Ricardo Jose Morais Silva Goncalo (Royal Holloway)
16:00	coffee break			
16:15	Validation tools tutorial (1h00)	HOWTO; Slides		Olga Igonkina (UOregon), Ricardo Jose Morais Silva Goncalo (Royal Holloway)
17:15	DCube for validation (30)	Slides		Diego Julian Rodriguez Patarroyo (Univ. Antonio Narino, Theor. Phys.)

Start

Microsoft PowerPoint - [...]

Office, Central

Trigger Validation Wo...

Internet

100%

13:23

Nightly validation shift

- Each slice requested to provide one person to verify the status of the nightly releases using the automatic validation tests
- Report on status using the "Trigger Status in 13.0.x nightlies" wiki:
<https://twiki.cern.ch/twiki/bin/view/Atlas/TriggerRecipe130xntly>
- The shift rota can be found here:
https://twiki.cern.ch/twiki/bin/view/Atlas/TriggerValidation#Who_is_on_validation_shift_this

person in charge from each slice is shown (or an X). The **na** stands for "not available to monitor overall status" (vacations, workshops or other responsibilities).

Monday	John	Simon	Ricardo	B jets	B physics	L1 Calo	Cosmics	L1 CTP	Electron	InDet?	Jets	MET	Muons	L1 Muons	Taus	Photons
20	na									na						
27	na		X							na						
Sep 3	X	na								na						
10		na								Dmitry						
17		na	X													
24		X														
Oct 1				Andrea												
8					Julie											
15							Laura									
22						Peter										
29							Wolfgang									
Nov 5								Denis								
12									Paul							
19										Chris						
26											Allen					
Dec 3												Giovanni				
10													Chihiro			
Jan 7															David	
14																Valeria