




Welcome to the tutorial !

Agenda



ADCoS tutorial

Thursday 23 July 2009
 from **11:00 to 13:00**
 Europe/Zurich
 at **EVO World-Wide tutorial**

Description: Tutorial for new ADCoS shifters. Main topics will be covered so new shifters can start their trainee shifter duties after this "kick-start" lesson.

Organised by: Xavier Espinal

Participants: Sarah Allwood-Spiers; Sebastian Aravena; Alejandro Ayala; Christopher Collins-Tooth; Marco Aurelio Diaz; Xavier Espinal; Ulrich Felzmann; Wen Guan; Qiwen Lu; Joerg Meyer; Gabriela Alejandra Navarro; Sebastian Olivares; Bianca Osculati; Fedor Prokoshin; Fernando Quinonez; Jaroslava Schovancova

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11:00	ADCoS Organization/Structure/Duties (20')	Xavier Espinal
11:20	Event processing (Monte Carlo production and reprocessing) (20')	Peter Love
11:40	Data Management (T0-T1-T2 transfers, Functional Test and MC production workflow)) (20')	Jaroslava Schovancova
12:00	break (10')	
12:10	PanDA (MC production site monitoring and actions taken by shifters) (15')	Kai Lefhalm
12:25	Central Services (monitoring services hosted at CERN: SiteServices, VOBOXes, etc.) (10')	Alessandra Forti
12:35	Communication workflow (between ADCoS shifters and sites, experts at CERN, point1 shifters, etc.) (10')	Elena Korolkova
12:45	ATLAS Databases (specific information on ATLAS DBs monitoring) (10')	Florbela Viegas
12:55	Wrap-up and Closure (05')	



OUTLINE

- ▶ What are ADCoS Shifts
- ▶ ADCoS team structure
- ▶ Shifter duties
- ▶ OTSMoU
- ▶ OTP (shift booking I/F)
- ▶ Joining ADCoS team



ADCoS shifts

- ▶ ADCoS is a shift based structure to provide QoS to the ATLAS community
- ▶ It was created in 2008 joining former MC production teams present in EGEE and OSG
- ▶ Provides a solid structure that can cover 24/7 support without taking night shifts
 - 3 time zones covered with local people
 - EU, US/LA and ASIA/Pacific
 - Single shift team for all grid flavors (EGEE, OSG and ND)
 - Currently not covering Sundays



ADCoS shifts

- ▶ Expert shifts coverage
 - ◉ 9 people in the pool (but 6 active)

- **Shifter (Expert)** ✖

Title +
 Recognition
 Shift Format
 Percentage (0% deletes days)

[Add Shift](#)

From To Description

			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jul 08	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Aug 08	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Sep 08	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Oct 08	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Nov 08	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Dec 08	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Jan 09	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Feb 09	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Mar 09	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Apr 09	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
May 09	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Jun 09	9-18 Day Shift		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	



Team structure

- ▶ Three different shifters categories:
 - **Trainees:**
 - Newcomers start shift under the umbrella of senior/experts until got experienced enough to be promoted
 - **Seniors:**
 - People with high understanding of ADC activities
 - **Experts:**
 - people with expertise in ADC activities.
 - ➔ Steer shifters work and help seniors/trainees in case of doubts



Duties (1)

- ▶ ADCoS is covering almost full spectrum of ADC activities
 - Particularity: there are shifts at the ATLAS Pit (Point1) shifters. It's main duty is to monitor data exportation
 - ADCoS works close to P1 shifters.. and take over the duty when there's no P1 shifter
- ▶ Data export:
 - T0-T1-T2 (when no P1 shifter)
- ▶ DDM Functional tests
 - T1-T2
- ▶ Production data workflow
 - T1->T2 and T2->T1
- ▶ MC production and reprocessing
 - Site stability
 - Task and SW bugs
- ▶ Central services, DBs



Duties (2)

- ▶ Shift periodicity
 - 2 day shift for trainees and seniors (Mo-Tu, Wed-Thu or Fri-Sat)
 - Week shift for experts "on-call"
- ▶ Shift booking:
 - OTP: <http://atlas-otp.cern.ch>
- ▶ Shift summary interface:
 - Submit shift report at the end of the journey
 - http://lhweb01.pic.es/atlas/Shift_Summaries/dailycheck_form.htm
- ▶ Virtual control room:
 - Skype
 - Need to add manually (please send me your skype names)
 - <http://www.skype.com/go/joinpublicchat?skypename=your%2ename&topic=ADC%20virtual%20control%20room&blob=RHxfjmyF5uIMXBJqQzHCE6vEeolvo>



OTSMoU

- ▶ Possibility to contribute to ATLAS quota remotely
- ▶ Shifts being accounted since more than a year
- ▶ Shifts weight TBC
 - 1 for shifts taken at CERN
 - Less for remote shifts (0.8?)

OTP (how do I book)



Home



+ **My Booking Periods**

- **Book My Shifts**

Id	Status	Owner	From	To	Description	Comments	Email
78901	Opened	ESPINAL CURULL XAVIER	01-09-2008	30-09-2008	Distributed Computing Shifts September-2008		Send
119381	Opened	ESPINAL CURULL XAVIER	01-10-2008	31-10-2008	Distributed Computing Shifts October-.2008		Send
78689	Opened	ESPINAL CURULL XAVIER	01-08-2008	31-08-2008	Distributed Computing Shifts in August 2008		Send



OTP (how do I book)

Booking open for



XAVIER ESPINAL CURULL
espinal@pic.es

	Unallocated nobody is covering this shift
	Allocated this shift is booked by this member
	Allocated to third party this shift is booked by another member
	Overallocation this shift is booked by this member and others - over the required headcount

Save Shift Booking Cancel

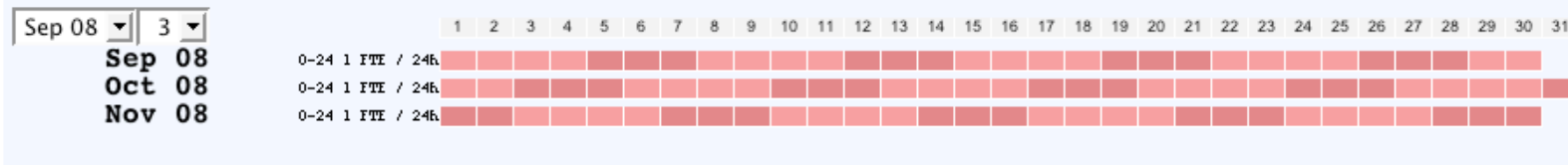
Task 88 - Distributed Computing Shifts

Shift Manager

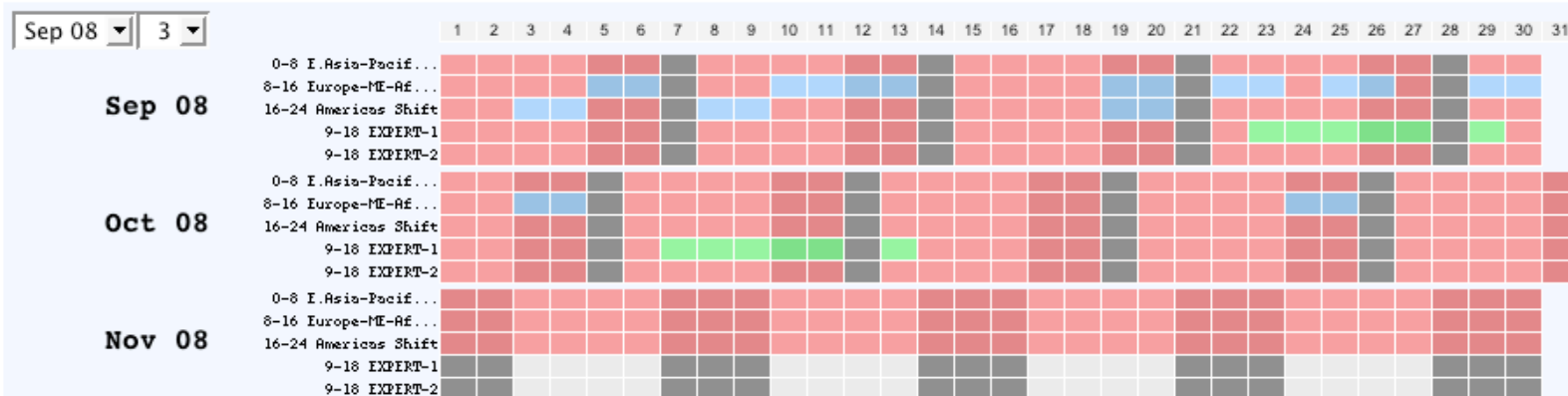


50%

Clean



Shifter





Joining ADCoS team

- ▶ For those not yet in ADCoS team, if you want to be a member:
 - Are you an ATLAS member ?
 - If not you must convert !
 - Send email to me ([espinal\(at\)pic.es](mailto:espinal@pic.es)) or kaushik (kaushik@uta.edu)
 - We'll insert your name in ADCoS mailing list
 - ➔ Sorry, a lot of mails (better create a folder and filter it)
 - Big share of knowledge, really helpful for newcomers
 - We'll insert your name in OTP
 - Shift booking I/F
 - Specify Time-zone of your "headquarter"
 - Send to me your skype name for joining the VCR
- ▶ Being an ADCoS member is a great entry door to become an ATLAS computing expert
- ▶ Having shifters at your site will guarantee you are tuned into ATLAS



Useful links for the tutorial

- ▶ I'd suggest to open a browser with the following links

* PanDA monitoring: <http://panda.cern.ch:25980/server/pandamon/query>
 * MC prod dashboard: <http://dashb-atlas-prodsys-test.cern.ch/dashboard/request.py/overview>
 * DDM FT: <http://panda.cern.ch:25980/server/pandamon/query?mode=listFunctionalTests>
 * DDM dashboard: <http://dashb-atlas-data.cern.ch/dashboard/request.py/site>
 * ADC eLog: <https://prod-grid-logger.cern.ch/elog/ATLAS+Computer+Operations+Logbook/>
 * PanDA Savannah: <https://savannah.cern.ch/bugs/?func=additem&group=panda>
 * DDM Savannah bug: <https://savannah.cern.ch/bugs/?group=dq2-ddm-ops>
 * ATLAS Validation Savannah: <https://savannah.cern.ch/bugs/?group=validation>
 * GGUS portal: <https://gus.fzk.de/pages/home.php>
 * ADCoS Twiki: <https://twiki.cern.ch/twiki/bin/view/Atlas/ADCoS>
 * TiersOfAtlas?: <http://atlas.web.cern.ch/Atlas/GROUPS/DATABASE/project/ddm/releases/TiersOfATLASCACHE.py>
 * CERN IT Services: <https://sls.cern.ch/sls/index.php?view=services>
 * GOCDB: <https://goc.gridops.org/>

 * ATLAS Acronym Glossary: <http://www.hep.man.ac.uk/atlas/ReadOut/.grsthist:AARG.html:448D57A5:0079B117CE:=2FC=3DUK=2FO=3DeScience=2FOU=3DManchester=2FL=3DHEP=2FCN=3Djoe=20foster:.html>