



Shifters Jamboree

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ADC Jamboree, CERN

December 4, 2014

Introduction



- Why should you attend Shifter's Jamboree?
 - Maybe answer is obvious, since you are already here!
 - Being a shifter provides very useful training to become site expert, cloud expert, analysis expert – in fact ATLAS data expert
 - Being a ADC shifter is a big contribution to the success of ATLAS
 - It also provides Class 2 OTP credit
 - It is fun and easy to do – as you will hear today and tomorrow

Overview of Tutorials



- Dec 4 afternoon:
 - ADC tutorial on new tools, features, documentation
 - General information useful for shifters, facilities experts, others
 - Interactions between operations people and developers
- Dec 5 afternoon:
 - Overview of shifter activities
 - Viewpoint from shifters, interactions with GDP
 - Facilities experts should attend – shifters interact with them daily
- Acronyms
 - ADCoS – ATLAS Distributed Computing operations Shifts
 - DAST – Distributed Analysis Shift Team
 - GDP – Grid Data Processing group

ADC Shifts



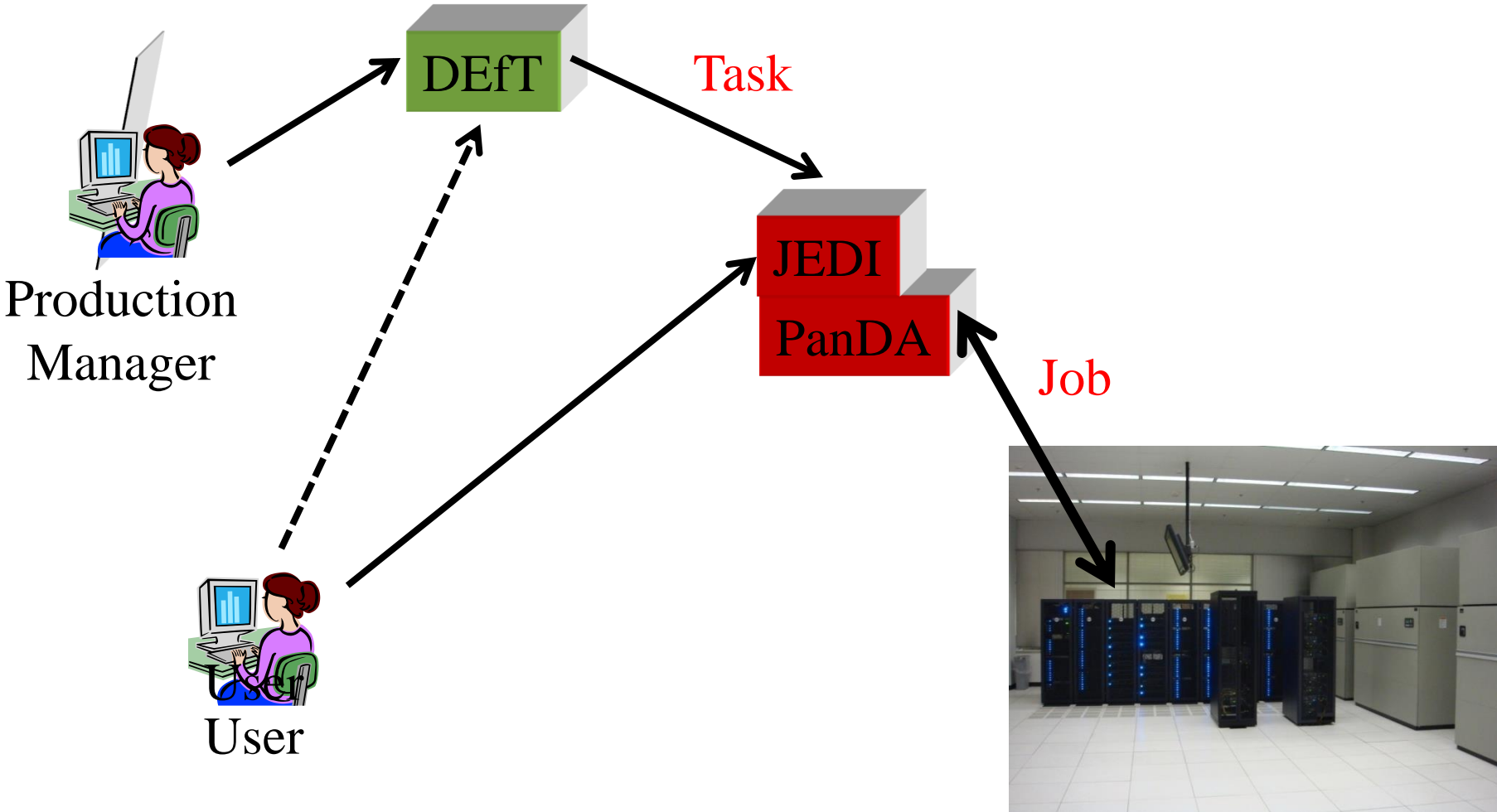
- **Scope of ADC shifts**
 - ADCoS – for smooth ADC operations
 - DAST – to help analysis users
 - Both teams are essential for first line of support between thousands of users, millions of jobs daily and the hundreds of sites where jobs are run, data is stored
 - Both teams – triage problems, quick solutions, not to fix problems (which is done by site and tool experts)
 - No more ADC@P1 for Run 2
 - Interactions with experts and squads: clouds, sites, GDP, software validation, PanDA...

ADC Tools

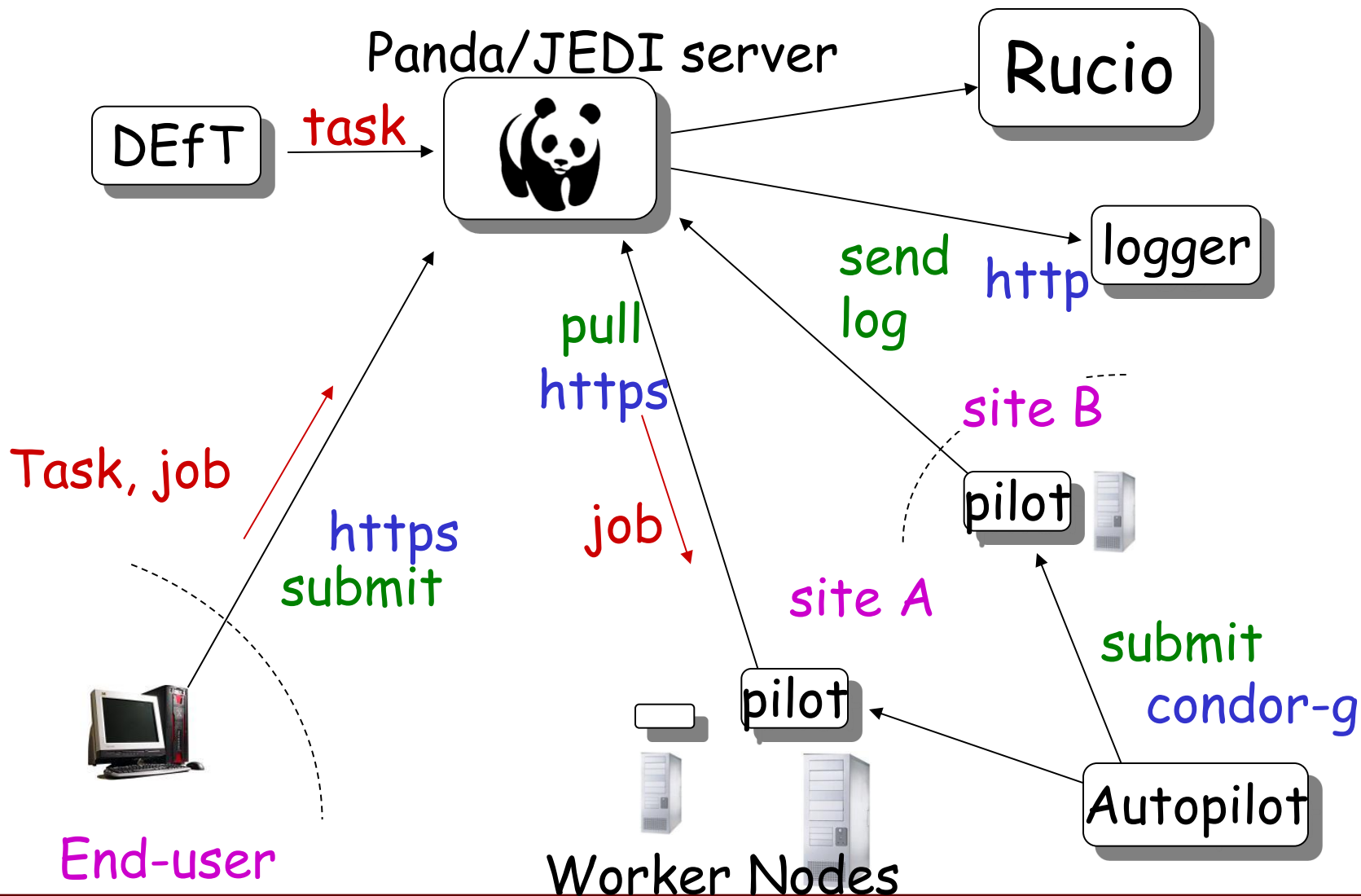


- This afternoon will be tutorial on ADC tools
- **ProdSys2**
 - Two components: DEfT, JEDI
 - No talk on DEfT today – while DEfT is central for task management, it is mainly used (and under commissioning) by experts
 - Task monitoring covered in BigPandaMon talk (Michal)
- **Rucio**
 - Two talks (Martin, Kai/Cedric)
 - Very busy with commissioning
- **PanDA**
 - Summary talk, including JEDI (Tadashi)
- **Central Services, Site Testing**
 - Two talks (Jarka, Alexey)

ProdSys2



PanDA



A Few Words on PanDA



- **PanDA WMS design goals:**
 - Achieve high level of automation to reduce operational effort
 - Flexibility in adapting to changing hardware and network
 - Support diverse and changing middleware
 - Insulate user from hardware, middleware, and all other complexities of the underlying system
 - Unified system for production and user analysis
- **Key features of PanDA**
 - Central job queue
 - Pilot based job execution system
 - Fairshare or policy driven priorities for thousands of users at hundreds of resources
 - Automatic error handling and recovery
 - Extensive monitoring
 - Modular design



Reminder:
Tonight dinner is at Ristorante Luigia



GENEVE, SUISSE
2, CHEMIN DE LA TOURELLE
PETIT SACONNEX - 022 788 77 70
Du Lundi Au Samedi: 12h00 à 14h30 et 18h30 à 23h00
Dimanche: 12h00 à 15h00 et 18h00 à 22h30

Careful, there are 2 of them in Geneva
(and from 2016 one in Peru, see www.luigia.ch)

We go at the one in Petit Saconnex at 19:45

<http://tinyurl.com/ozhmr2o>

(Reservation: Campana)
