WAU Dashboard

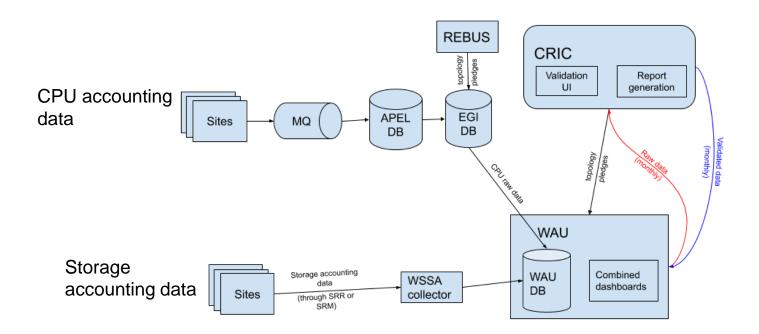
Boris Vasilev
Julia Andreeva
Dimitrios Christidis
Panos Paparrigopoulos

WAU Dashboard Overview

WAU (WLCG Accounting Utility) Dashboard

WAU = Combination of WSSA and CPU accounting data.

Where data comes from?



Current state of the dashboard



Current state of the dashboard

CPU data (from EGI) Storage data (from WSSA)

federation 🛎	WCT (hours)	WCW (HEPSPEC06 hours)
rederation *	WCT (nours)	WCW (HEFSFECOO Hours)
CA-TRIUMF	121 Mil	2 Bil
CH-CERN	2 Bil	18 Bil
DE-KIT	323 Mil	4 Bil
ES-PIC	91 Mil	1 Bil
FR-CCIN2P3	333 Mil	4 Bil
IT-INFN-CNAF	321 Mil	4 Bil
KR-KISTI-GSDC	44 Mil	456 Mil
NDGF	88 Mil	1 Bil
NL-T1	111 Mil	2 Bil
NRC-KI-T1	105 Mil	1 Bil
RU-JINR-T1	90 Mil	1 Bil
TW-ASGC	40 Mil	502 Mil
UK-T1-RAL	321 Mil	3 Bil
US-FNAL-CMS	257 Mil	3 Bil
US-T1-BNL	229 Mil	3 Bil

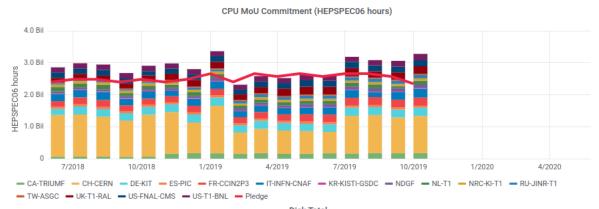
Summary (11 Control of the Control o								
Disk Used	Disk Free	Disk Total	Tape Used	Tape Free	Tape Total			
8.76 PB	926.25 TB	9.69 PB	16.15 PB	5.32 PB	21.47 PB			
56.31 PB	10.45 PB	66.76 PB	242.25 PB	36.78 PB	279.04 PB			
22.09 PB	2.62 PB	24.70 PB	52.13 PB	13.26 PB	65.39 PB			
4.01 PB	659.47 TB	4.67 PB	16.26 PB	3.72 PB	19.98 PB			
14.06 PB	1.56 PB	15.62 PB	42.44 PB	10.14 PB	52.59 PB			
17.10 PB	4.00 PB	21.10 PB	49.36 PB	18.25 PB	67.61 PB			
2.54 PB	1.22 PB	3.76 PB	3.14 PB	0 B	3.14 PB			
8.91 PB	418.49 TB	9.33 PB	10.03 PB	4.95 PB	14.98 PB			
6.27 PB	831.49 TB	7.11 PB	16.73 PB	3.92 PB	20.65 PB			
9.82 PB	1.55 PB	11.37 PB	8.55 PB	5.83 PB	14.37 PB			
	-	-	7.05 PB	1.93 PB	8.98 PB			
4.66 PB	830.17 TB	5.49 PB	-	-	-			
15.19 PB	2.91 PB	18.10 PB	43.88 PB	15.71 PB	59.59 PB			
-	-	-	63.59 PB	16.71 PB	80.30 PB			
17.63 PB	1.92 PB	19.56 PB	47.46 PB	3.00 PB	50.46 PB			

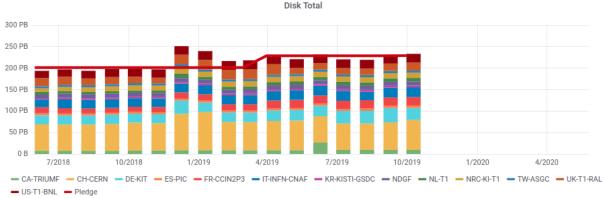
WCT (hours)	WCW (HEPSPEC06 hours)	Disk Used ▲	Disk Free	Disk Total	Tape Used	Tape Free	Tape Total
4 Bil	49 Bil	187.35 PB	29.90 PB	217.25 PB	604.30 PB	134.11 PB	738.41 PB

Distribution of resources



Historical view of the MoU commitments





j.

Resource utilization

250 PB

- Used - Free

1/1

2/1

3/1

4/1

5/1

6/1

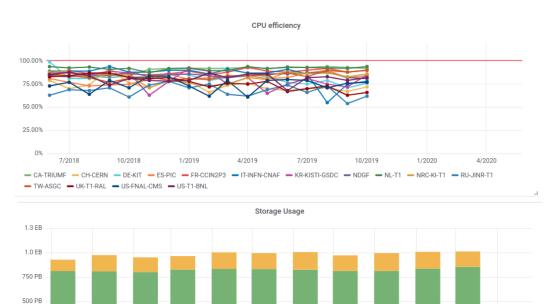
7/1

8/1

9/1

10/1

11/1



DEMO: https://monit-grafana.cern.ch/d/6rLvYKhZk/wlcg-accounting-utility-generated?orgld=20

Future improvements

Add a dashboard to display validated data

Consistent color scheme across all plots

Import experiment accounting data into WAU and enable possibility to compare them with those which are generated by APEL/WSSA and those which are measured by the site.

Implementation of the dashboard which would expose comparison between different sources and allow to easily spot inconsistencies

Thank you for your attention!