



T1 FR-cloud report

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Calcul ATLAS France (CAF) meeting
CC-IN2P3 Lyon, 1st April 2019

T0 and T1s WLCG availability

SAM report : [[web](#)], [[report](#)]



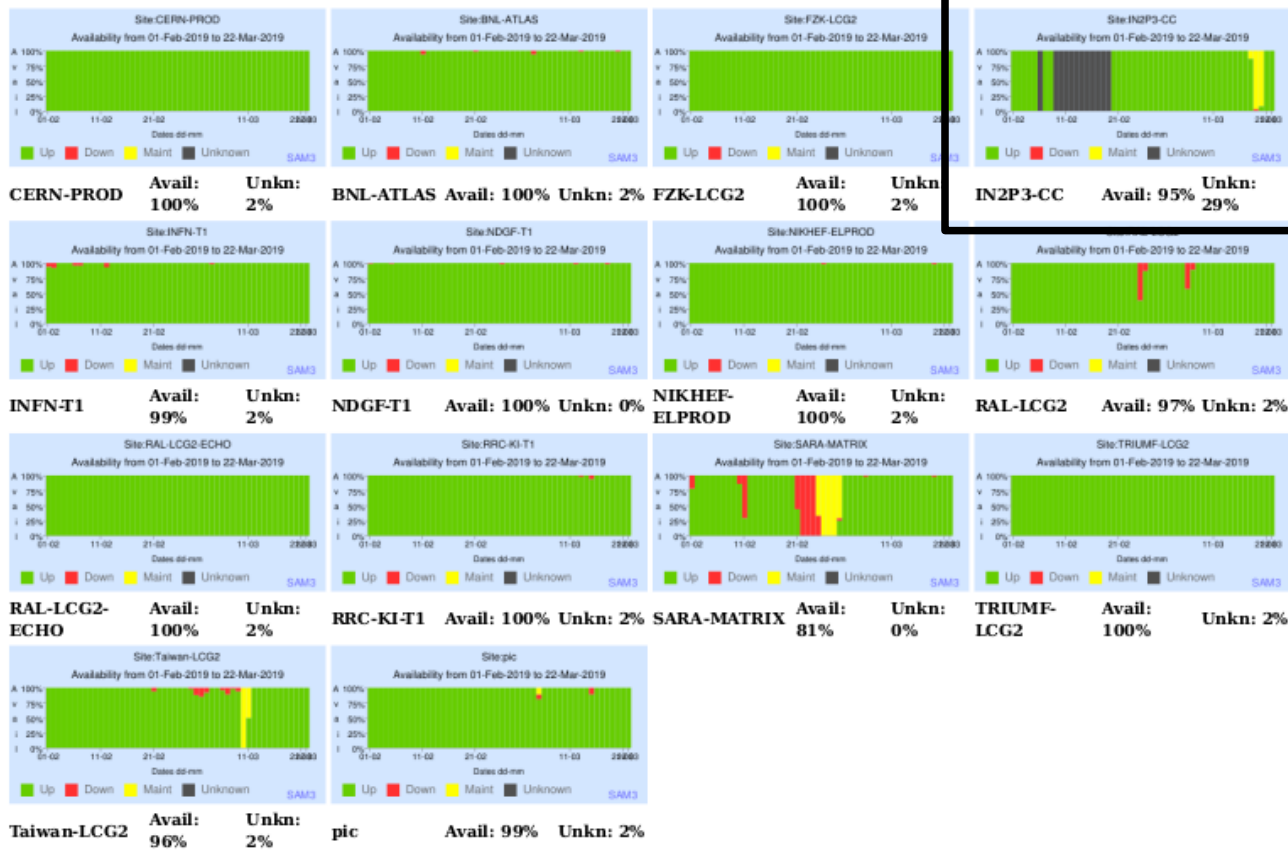
Availability of WLCG Tier-0 + Tier-1 Sites

ATLAS

March 2019

Target Availability for each site is 97.0%. Target for 8 best sites is 98.0%

Availability Algorithm: (CREAM-CE + ARC-CE + HTCONDOR-CE + GLOBUS) * (all SRMv2 + all SRM + all GRIDFTP)



95% availability, but unknown status for >10 days

Issues with SAM tests in February [[link](#)]

T0 and T1s WLCG reliability

SAM report : [[web](#)], [[report](#)]



Reliability of WLCG Tier-0 + Tier-1 Sites

ATLAS

March 2019

Target Reliability for each site is 97.0%. Target for 8 best sites is 98.0%

Availability Algorithm: (CREAM-CE + ARC-CE + HTCONDOR-CE + GLOBUS) * (all SRMv2 + all SRM + all GRIDFTP)



97% availability, but unknown status for >10 days

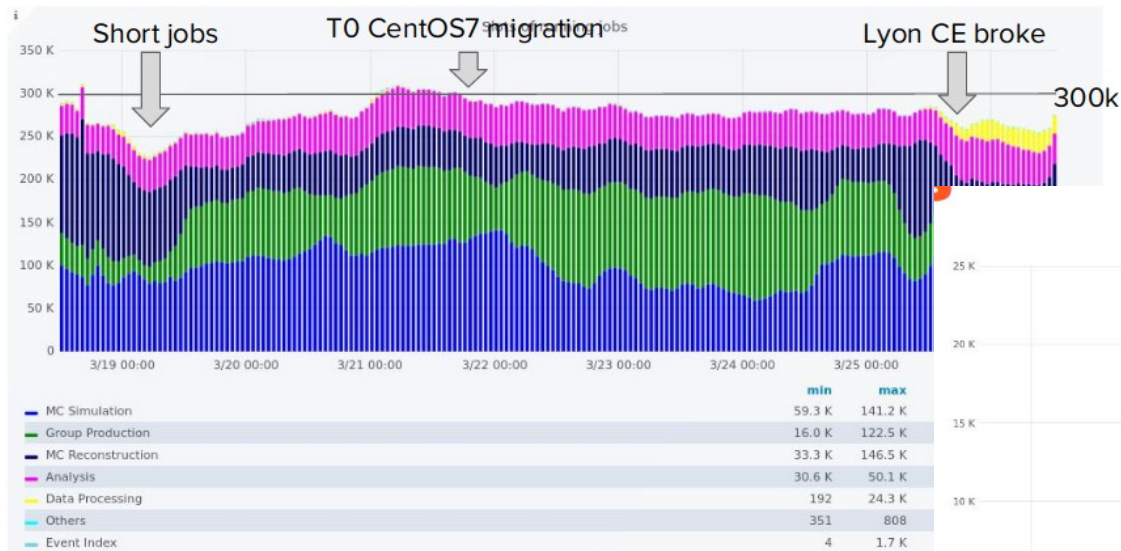
T1 squad report

- See slides from Emmanuel
(cpu usage by cloud, by activities, by number of cores, etc)

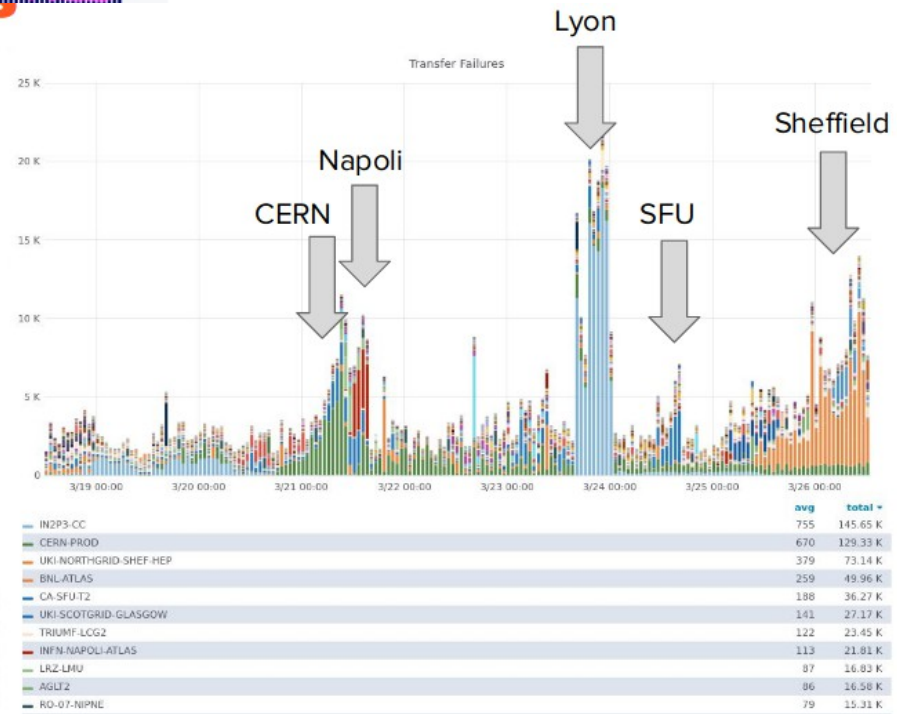
Issues reported at ADC meetings

- See slides at previous ADC meeting, CRC report [[link](#)]

Jobs slots



Transfer failures



Décisionnel

- Based on monthly report received by czars
ATLAS is not using fully its pledge since the beginning of the year (104% in January, 90 % in February)
It could be hard to recover (mentionned by E. Fede at previous LCG-FR Tech)
ATLAS has used 115 % of its pledge in 2018

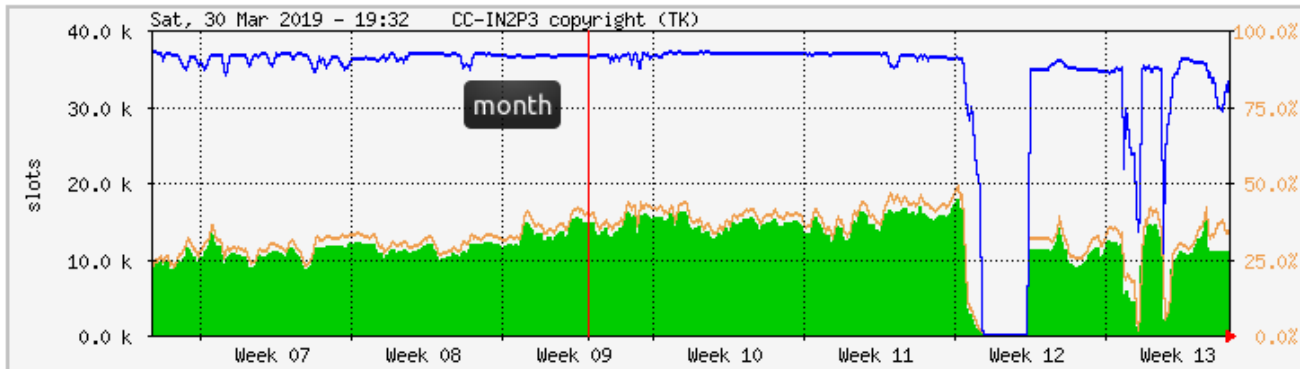
				2019			
				CPU Consommé en HS06.h	Valeur arbitrée en HS06.h	CPU consommé / Valeur arbitrée (en %)	
atlas	Trimestre 1	janvier 2019	sans tiers	3 430 633		3,75%	
			tier1	21 494 728		23,49%	
			tier1MC	61 110 810		66,78%	
				TOTAL	86 036 172	91 517 212	94,01%
		février 2019	sans tiers	4 809 862		5,62%	
			tier1	12 921 073		15,09%	
			tier1MC	52 075 547		60,83%	
				TOTAL	69 806 482	85 612 876	81,54%
				TOTAL		91 517 212	0,00%
				TOTAL	155 842 654	268 647 300	58,01%

			2019						
			Demande en HS06.h	Valeur arbitrée en HS06.h	Temps de résidence normalisé en HS06.h	% du tps de résidence / Valeur arbitrée	CPU Consommé en HS06.h	Efficacité moyenne des jobs (CPU Consommé / Tps de résidence)	nb slots par nb jobs
atlas	Trimestre 1	janvier 2019	91 517 212	91 517 212	94 821 833	104 %	86 036 172	91 %	2,94
		février 2019	85 612 876	85 612 876	77 407 158	90 %	69 806 482	90 %	3,10
		mars 2019	91 517 212	91 517 212		0 %		-	-
		Total	268 647 300	268 647 300	172 228 991	64 %	155 842 654	90 %	3,02

ATLAS running jobs at CC-IN2P3

cctools view [[link](#)]

'Monthly' Graph (2 Hour Average)



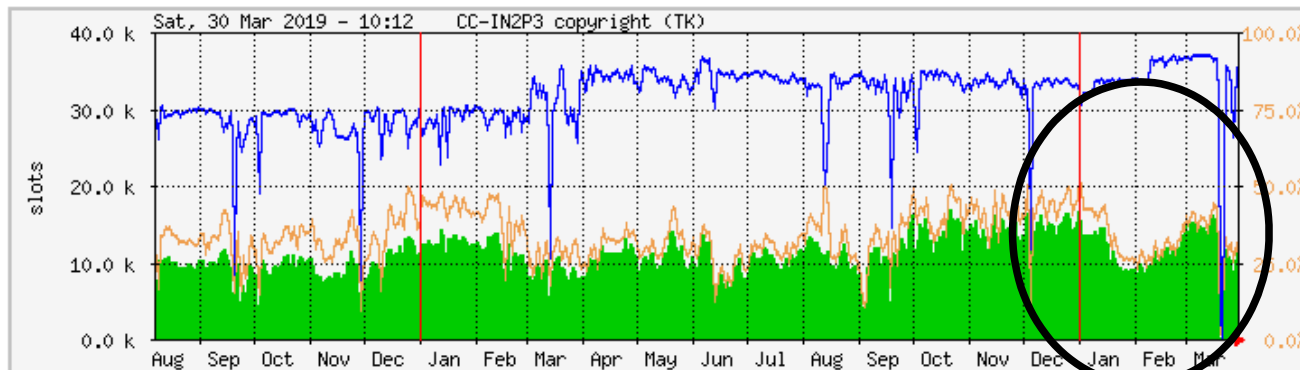
	Max	Average	Current
used:	17.8 k	11.6 k	11.0 k
all used:	37.0 k	34.0 k	34.2 k
Percentage	49.0 %	34.0 %	32.0 %

GREEN ### used by atlas for slots rq

BLUE ### overall used slots on slots rq

AMBER ### ((used by atlas for slots rq)/(overall used slots on slots rq))*100

'Yearly' Graph (1 Day Average)

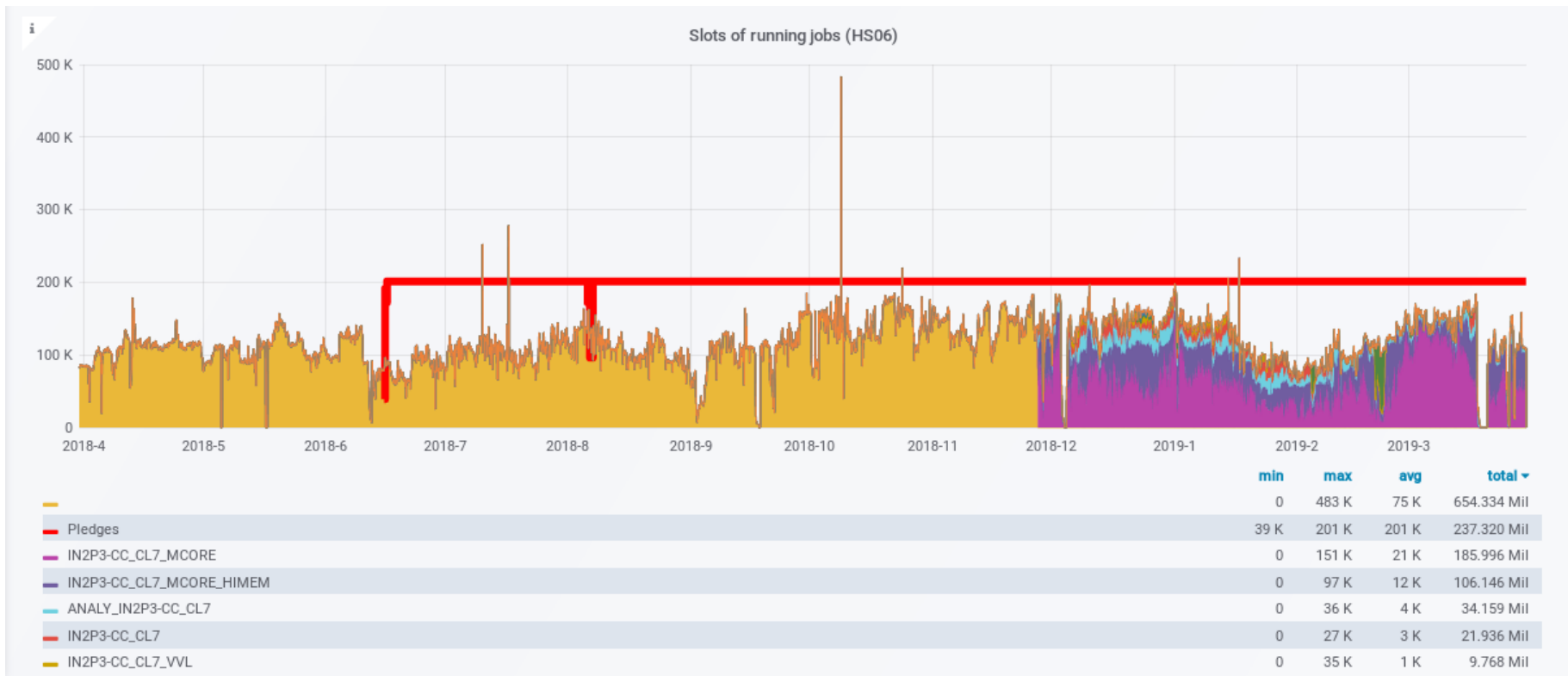


	Max	Average	Current
used:	16.8 k	10.7 k	12.1 k
all used:	36.9 k	31.4 k	34.9 k
Percentage	52.0 %	34.0 %	35.0 %

A drop can be seen in used resources at beginning of the year, with increase since few weeks

ATLAS running jobs at CC-IN2P3

ATLAS Grafana view [[link](#)]

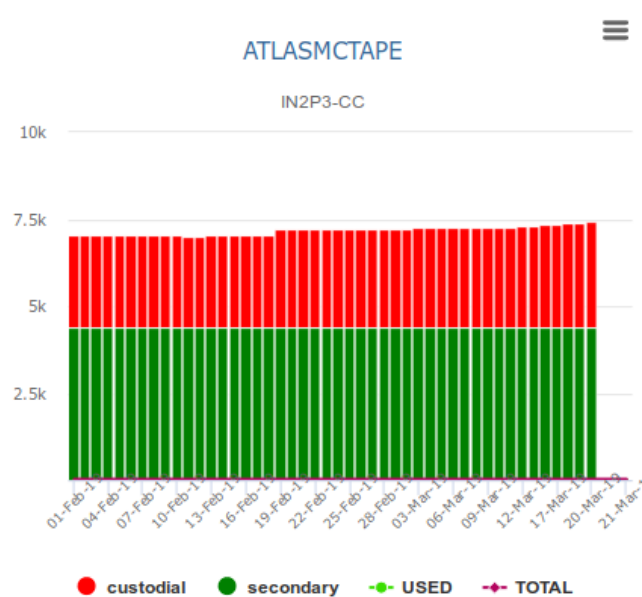
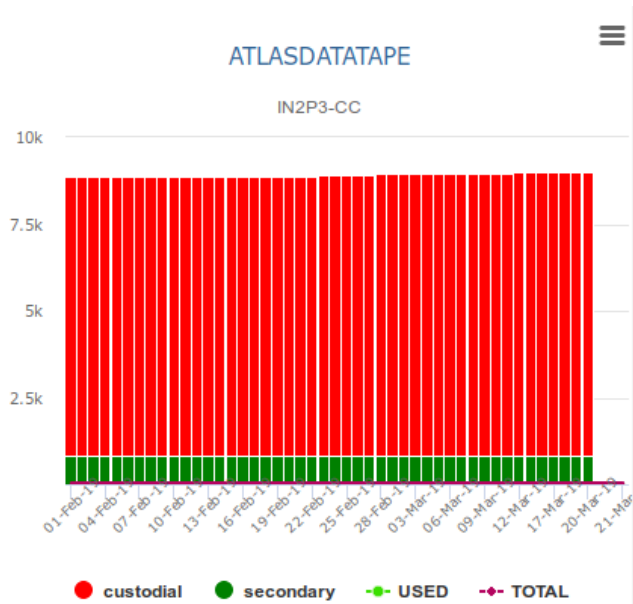
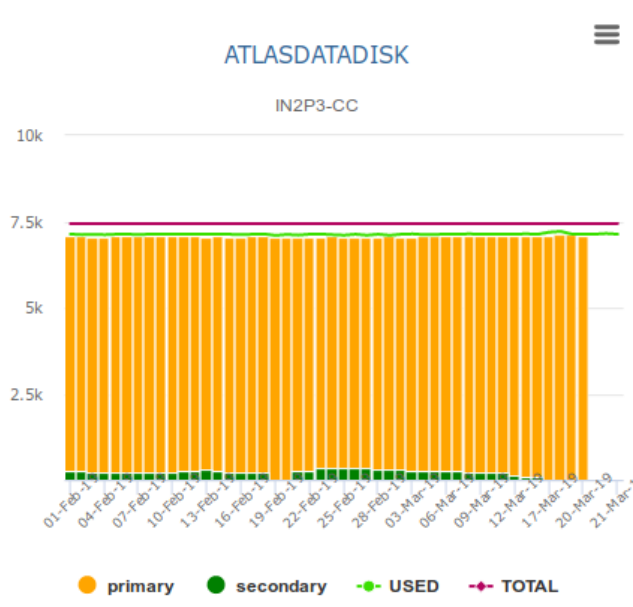


The dip in number of running jobs in January/February is visible, recovered since a few weeks – but still below pledges ?

Disk and tape dashboard SRM view [\[link\]](#)

ATLASDATADISK : ~7.5 PB
available, ~290 TB free
No secondaries

TAPE : ok
secondaries available



Site issues and GGUS tickets

- List of tickets : [*tickets NGI_France*],
[*tickets IN2P3-CC*], [*tickets IN2P3-CC-T2*]

Since beginning of February 10 tickets

- 4 tickets linked to Frontier issues : 139238, 139382, 139868, 139917
- 2 tickets linked to files problems : 139358, 140152
- 1 ticket on FTS issues : 140209
- 3 tickets on transfer failures : 140352, 140353, 140422

Ongoing : 140422 (transfer failures)

- But also many discussions not through tickets but using mails
→ batch issue at CC around 26th March