









WP2 Meeting - 11 February 2025









ICSC Workshop on Analysis Facilities

The workshop was held in Bologna, from the 8th to the 10th of January. <u>Agenda</u>.







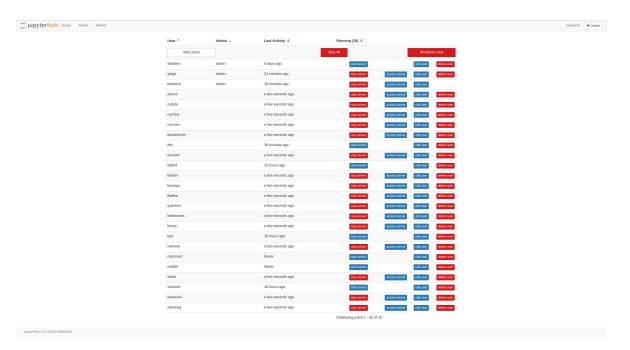


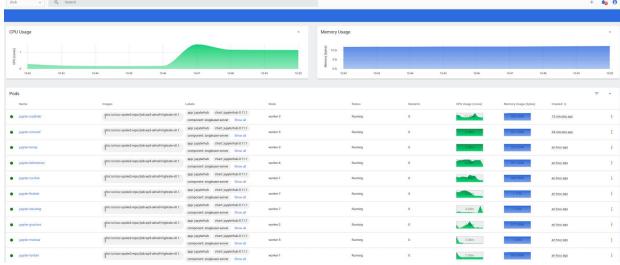




ICSC Workshop on Analysis Facilities

During the event, we reached a top activity on the facility of ~20 simultaneous connections.













ICSC Workshop on Analysis Facilities

- Recently, we opened a survey (for the workshop participants) to gather feedbacks on the organisation and to collect possible new use-cases.
 - For now, only 3 people replied to the survey, but one of those was interested to continue working on the platform.
 - A few reminders will follow. At the end, we are going to disseminate the results.







KPI - Key Performance Indicator

KPI ID	Description	Acceptance threshold	Status
KPI2.2.2.1	Implementation of N data analyses in the AF	<i>N</i> ≥ 2	>100%
KPI2.2.2.2	Reference documentation of the AF	≥ 1 dedicated web site	100%
KPI2.2.2.3	Hands-on workshops for AF users	≥ 1 workshops	100%
KPI2.2.2.4	Scaling up the testbed AF infrastructure, serving <i>k</i> tenants, for a total of <i>N</i> data analyses	≥ (200· <i>M</i>) cores	32% (1 of 2 batches)
KPI2.2.2.5	Talks at conferences/workshops about AF activities	≥ 1 talk	>100%







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Resource extension - Phase 2

Following our RAC request, the first batch of resources given are:

7.1 Resou	irces grant	ed by INI	N-CLOUD (PaaS)
vCPU (nu	mber of vCo	res and req	quested allocation time)
Number	Time	vCORE	Notes
		*	time in hours
4	17520	32	

This resulted in the creation of 8 VM with 16 VCore and 32GB of RAM each.

These resources are cloud provided via INFN Cloud, and handled in IaaS (not via PaaS, for now).

Storage: 50TB of volumes for users quotas.









Resource extension - Phase 2

• Following our RAC request, the next batch of resources will be:

7.2 Resor	urces grant	ed by IN	FN-GRID (Batch processing)
CPU (nun	ber of Core	s and reque	ested allocation time)
Number	Time	vCORE	Notes
	•	•	time in hours
21	17520	32	

The total amount (672 equivalent grid/HTC cores) is not allocated statically (all at once): we initially proposed a ramp-up during the last months of the project. Any ideas?

<u>Storage</u>: ??? We are currently relying on the WLCG resources for handling input data. We plan on continuing this, or some user is going to require separate storage? <u>We can ask up to 650TB</u>.









Resource extension - Phase 2

- After this discussion, we will proceed in the upcoming days to reopen the ticket with the ICSC support.
 - We are coordinating this effort with <u>WP5</u>.
 - The group in Naples are willing to help using (and configuring) their grid ICSC resources.

- At some point, when the up-scaling is complete, we must begin some intensive testing and benchmarking of the platform, in line with the flagship objectives.
 - All the users that report in this flagship will be contacted soon!







Thank you

<u>cn1-spoke2-wp2-analysisfacility@lists.infn.it</u> (click <u>here</u> to subscribe or get in touch in case of issues)