CSC / T2_FI_HIP Site Report

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13.10.2015, HEPiX 2015 Fall, BNL, USA
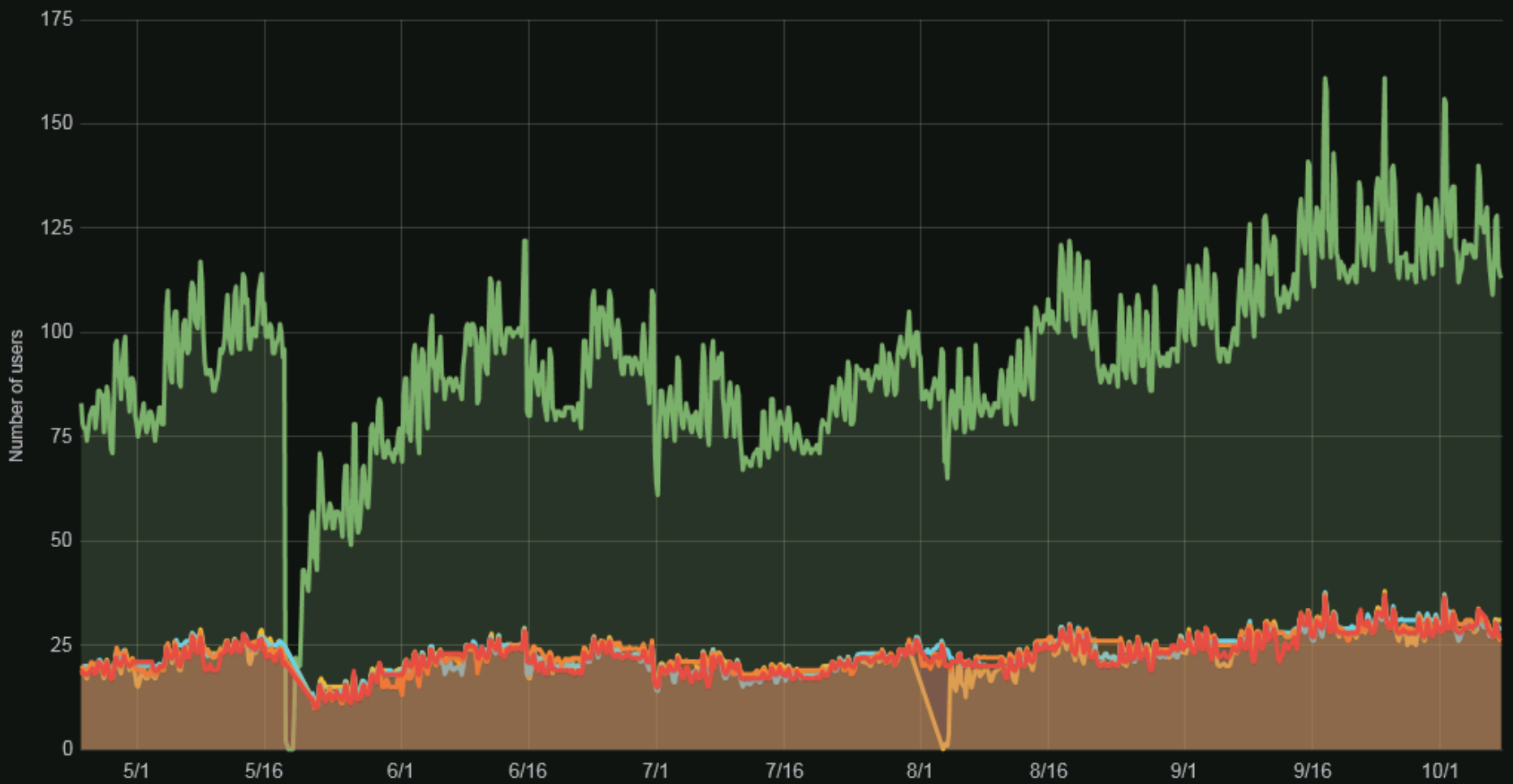
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Interactive Shell

- Slurm scheduler and sshd

- More details in my HEPiX Spring 2015 talk in Oxford
  - https://indico.cern.ch/event/346931/session/1/contribution/13

- Several improvements to improve stability and performance

- Positive comments, stable

Taito-shell user count

	min	max	avg	current
━ Oversubscribed queue tasks	0	161	93	113
━ c305	0	38	23	31
━ c306	12	38	23	29
━ c307	10	37	23	26
━ c308	10	37	22	27

Taito-shell CPU states
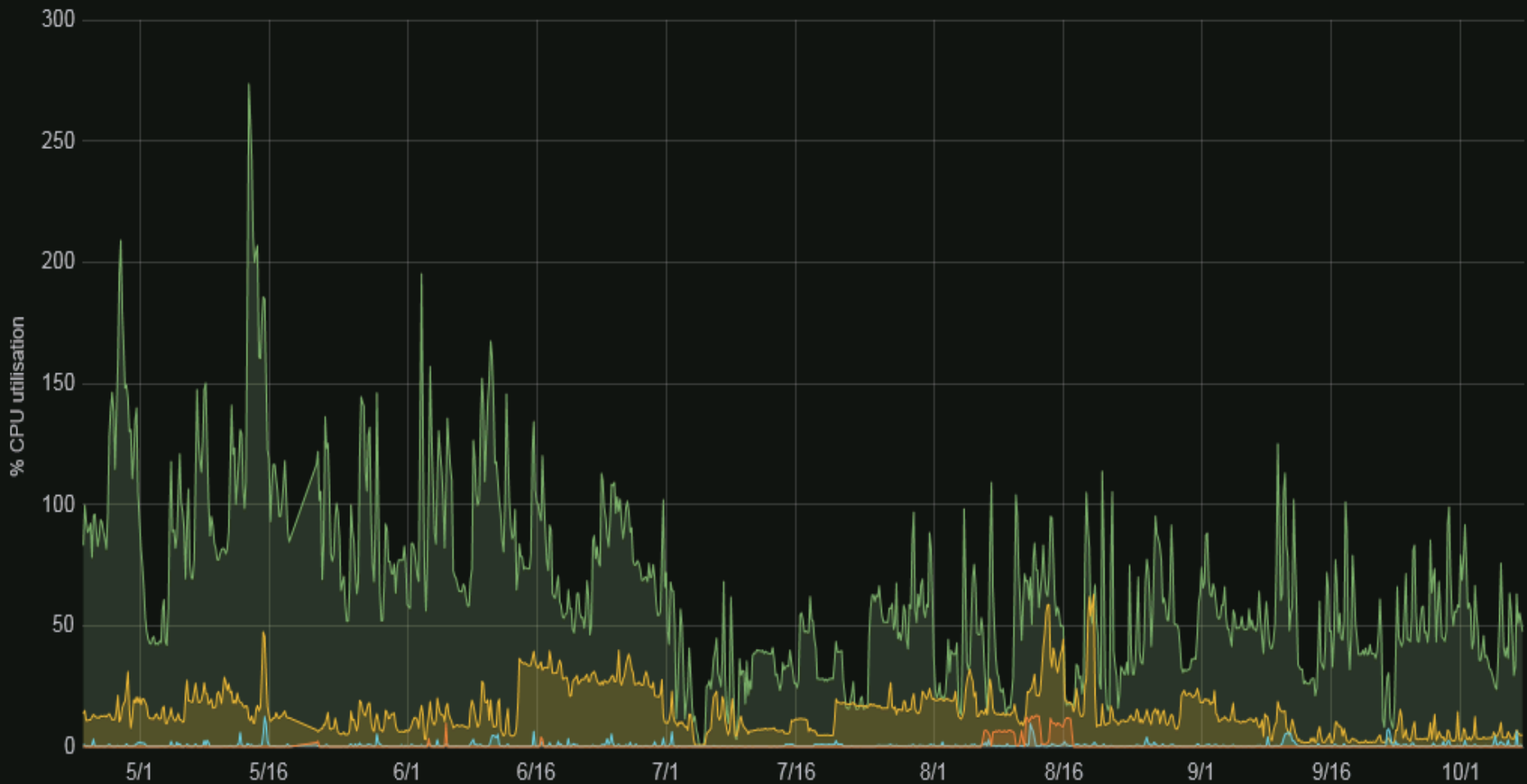
	min	max	avg	current
— cpu-user)	0.52	273.60	65.63	47.57
— cpu-system)	0.62	62.82	14.33	4.82
— cpu-wait)	0.08	12.50	0.67	0.22
— cpu-nice)	0	12.98	0.48	0

T2_FI_HIP

- Most problems lately have been related to certificates

- Running ALICE CE in Openstack
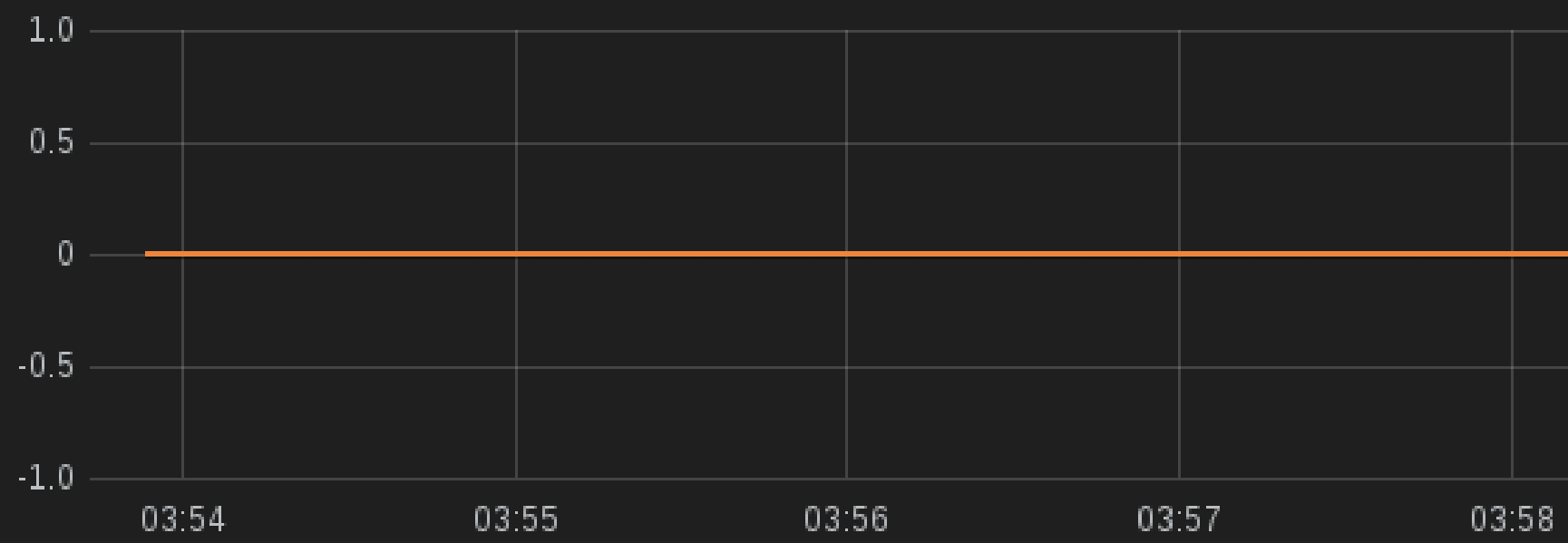
- Mostly unsupported hardware

HPC + Ansible

- FGCI www.csc.fi/-/fgci

- From To
  - SL6 to CentOS7
  - Bash scripts to Ansible
  - NIS to LDAP
  - Ganglia to Grafana/Influxdb/Opentsdb/Collectd

- https://github.com/CSC-IT-Center-for-Science/fgci-ansible

- An orchestrator playbook that does almost all the things

- Reusable

- Security

fqdn: phoenix-install.fgi.csc.fi ▾   **site:** phoenix ▾

FQDN short load

— load.load.shortterm.mean	— load.load.shortterm.max	— load.load.shortterm.min
— load.load.shortterm.last		

FQDN CPU user