

SDCC Network Operations Status Report (Apr 9, 2020)

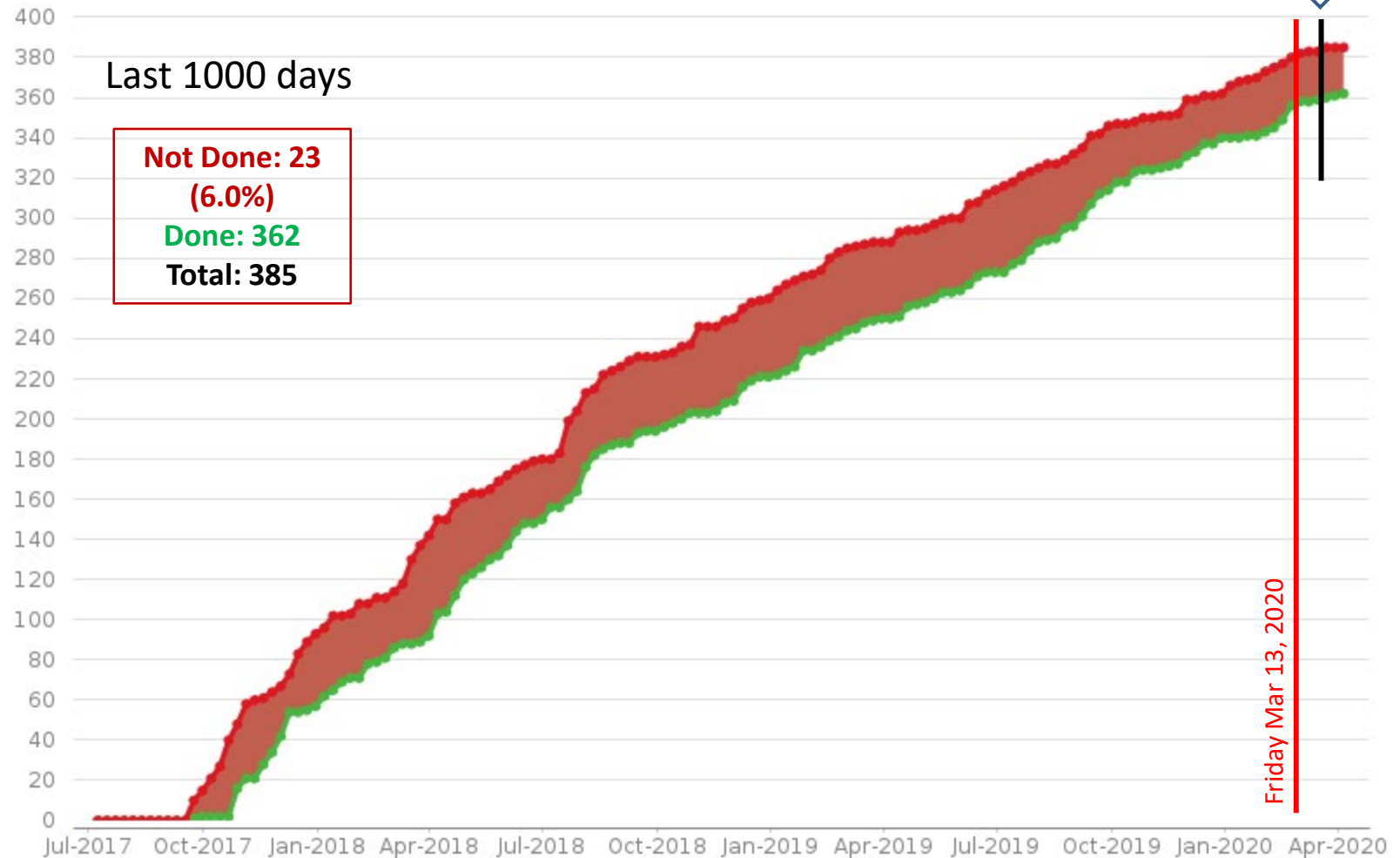
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Project: SDCC Network Operations & Interventions

Chart

Previous Report

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last 1000 days.

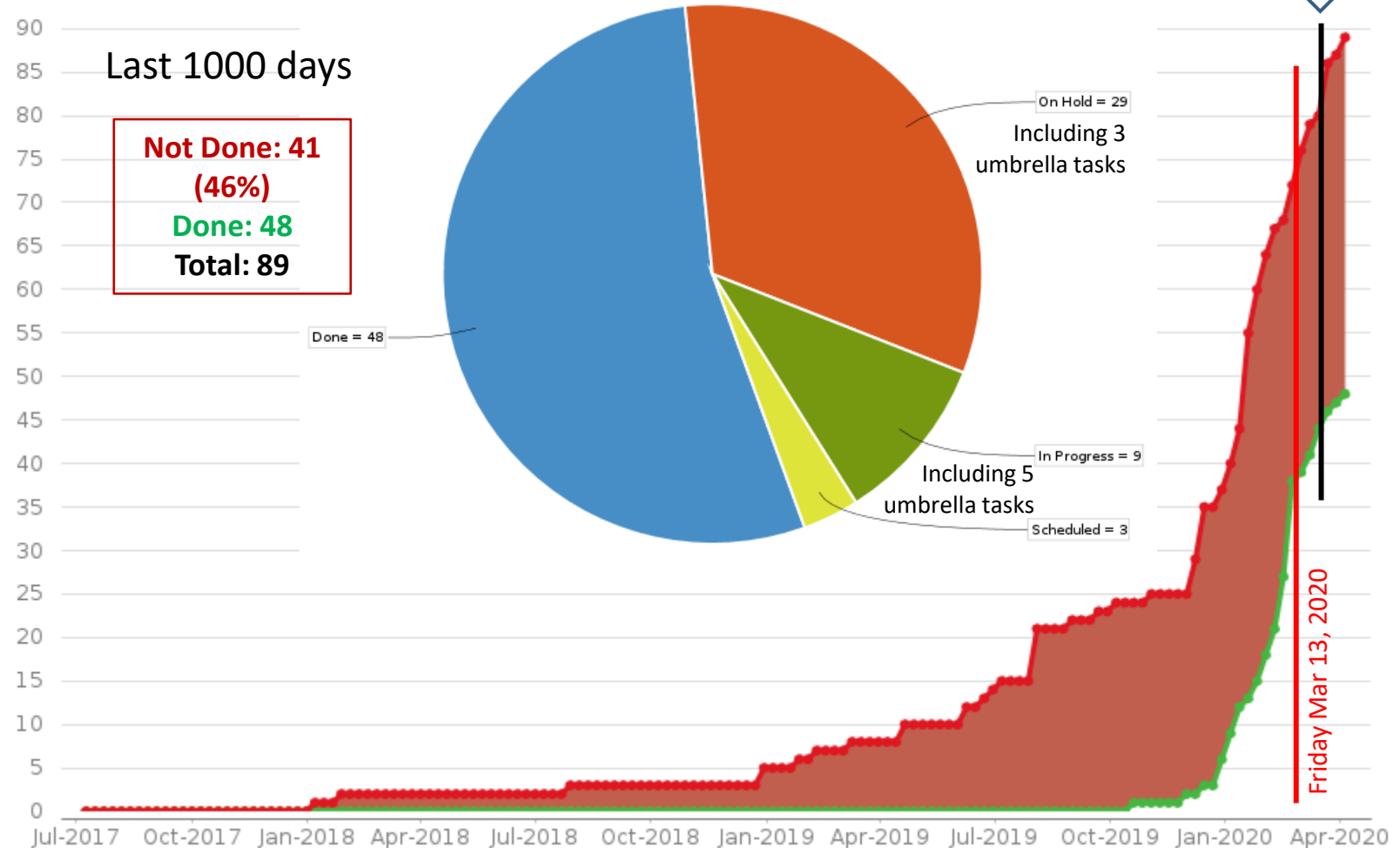


Project: SDCC Datacenter B515/B725 Transition (CY20-23)

Chart

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last 1000 days.

Previous Report



Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations

- Many threads of activity for Network Operations, hardware retirement/refresh in B515 and preparation for the early B725 operations are halted, though the following threads are still progressing:
 - Procurement for network test and evaluation hardware (200GbE technology evaluation)
 - IPv4 space clean-up and IPv6 space planning
 - Design discussions and planning for future equipment installation and operations (CFN, DDN storage for DGX-2 in B725/1-181, network systems for B725 CFR MDH, etc.)
 - Work on preparation for the remaining network equipment procurement for B725 in 2020Q2-3
- A limited set of new hardware is still in the delivery pipeline (Lustre MDSeS and CH buffer storage for STAR) with expected partial delivery on site tomorrow, on April 10, 2020 (destination – rack 45-5 in CDCE)
- Much uncertainty with how the HPSS consolidation into CDCE interventions and new B515 SciCore “cut-in” interventions are going to be handled during the summer 2020:
 - The construction of the fiber tray system in the basement of B515 that was originally expected to be delivered by Jul 1, 2020 and needed for connecting the new B515 SciCore to the B515/B725 interbuilding link is stopped
 - CFR construction is stopped with unclear prospects for delay of the early availability of B725 datacenter for network and fiber infrastructure deployment (originally was Oct-Nov 2020)
 - The exact impact of COVID-19 pandemic on the LHC restart in CY2021 is yet unknown

Questions & Comments