

SDCC Network Operations Status Report (Sep 24, 2020)

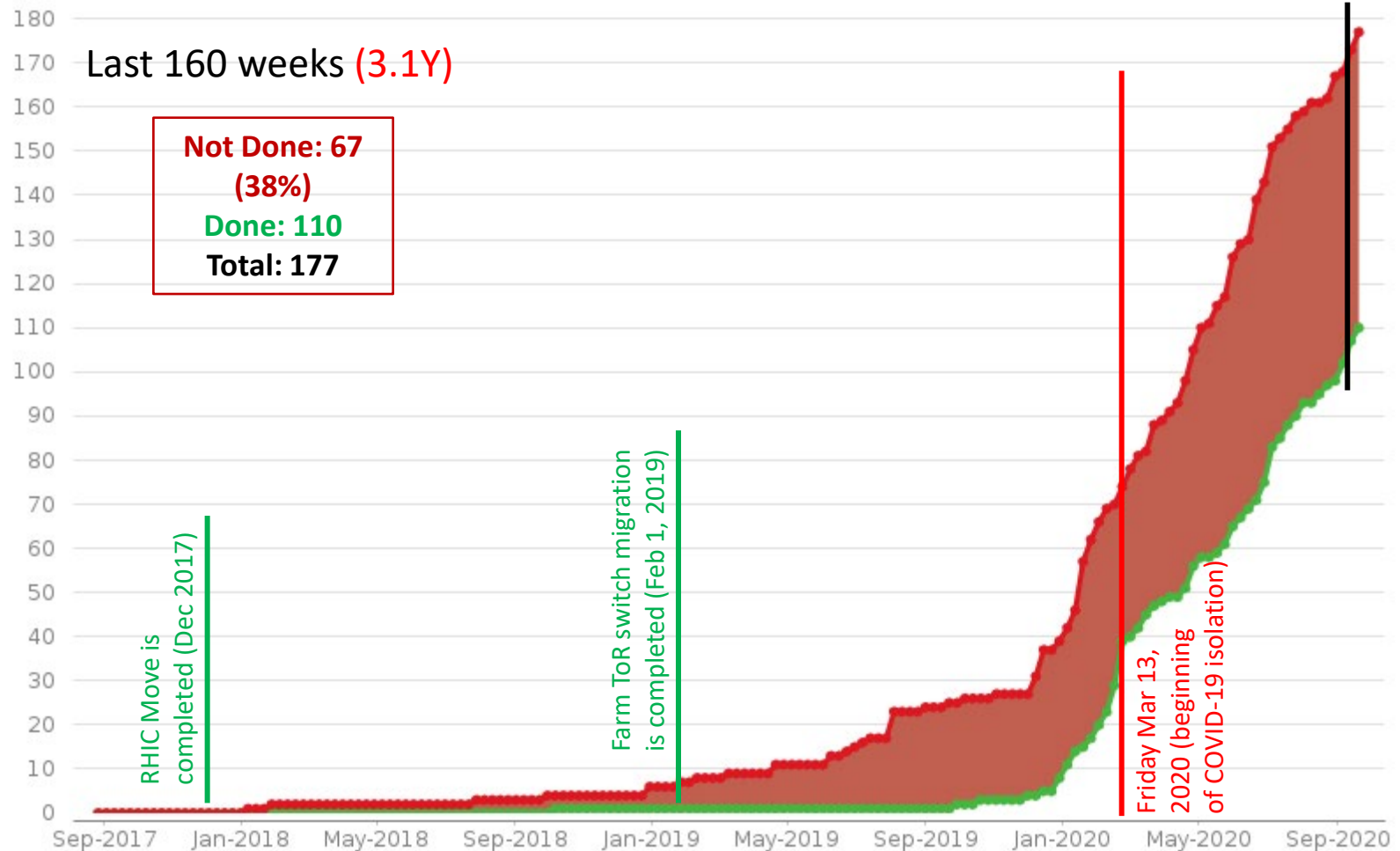
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Project: SDCC Datacenter B515/B725 Transition (CY20-23)

Chart

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last **1120** days.

Previous Report



Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations

- OSG storage backend purchase (addition to Lustre installation in row 45S, 0.5 PB usable)
 - Purchase is in progress
- The new dedicated 2-frame CSI tape library to be deployed in CDCE row 50N
 - Purchase is in progress, delivery expected in the first half of Sep 2020
 - Space arrangements are finished (the custom cut floor tile is yet to be provided)
 - Underfloor power receptacles are provided for the library and its possible future extension
 - Library assembly was performed today by IBM personnel and the library is now powered up
 - Fiber and copper connectivity provisioning is scheduled with NETOPS and Telco
- New HPSS Core server pair
 - Delivered to CDCE and installed in the racks, network and OS configured
 - Full configuration of these servers is in progress with involvement of IBM personnel which is expected to be finished during the week of Oct 5, 2020
- NSLS II HPC cluster: 2 racks to be deployed in positions 33-[4, 5] in QCDOC
 - Purchase of the CPU racks and Arista ToR switch for those are in progress
 - Fiber connectivity provisioning is done up to the extent that can be addressed without having racks in place (to be finalized once the racks are in final position)
- NSLS II Lustre addition: 2 racks to be deployed in positions 33-[2, 3] in QCDOC
 - Purchase of the servers storage backend, rack frames and fiber materials is in progress

Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations

- The first instalment of sPHENIX central storage (5.4 PB usable) is initiated
 - To be deployed in the rack 46-8 (the last available / powered up rack position where high capacity JBODs can be deployed in B515/CDCE, the subsequent DISK purchases are to be targeting B725 MDH for deployment, starting from FY21)
 - Purchase is in progress
 - Rack frame 46-8 preparation is scheduled
- With the end of the RHIC run of FY20 approaching we expect to be able to proceed with migrating functionality of the RHIC movers from row 16 in BCF to the new RHIC mover equipment in row 44S in CDCE in early to mid- Oct 2020 (plans are to be finalized by the Storage/HPSS group)
- BCF Silo #2 relocation to position CDCE Silo# 8 is expected in mid-Nov 2020 (project planning is in progress)
- The conclusion of work on the B515 basement fiber conduit path for connecting the last mile of the B515/B725 interbuilding link to the new SciCore is expected in Oct 2020
- B515 SciCore Cut-In Intervention is tentatively scheduled on Tuesday Dec 1, 2020 (6:00-18:00 LT network connectivity interruption for the SciZone)
 - Preparation of the final action sequence plan and the impact analysis is in progress
 - Announcements for collaborations is to be released in Nov 2020

Questions & Comments