RACF/SDCC Network Operations
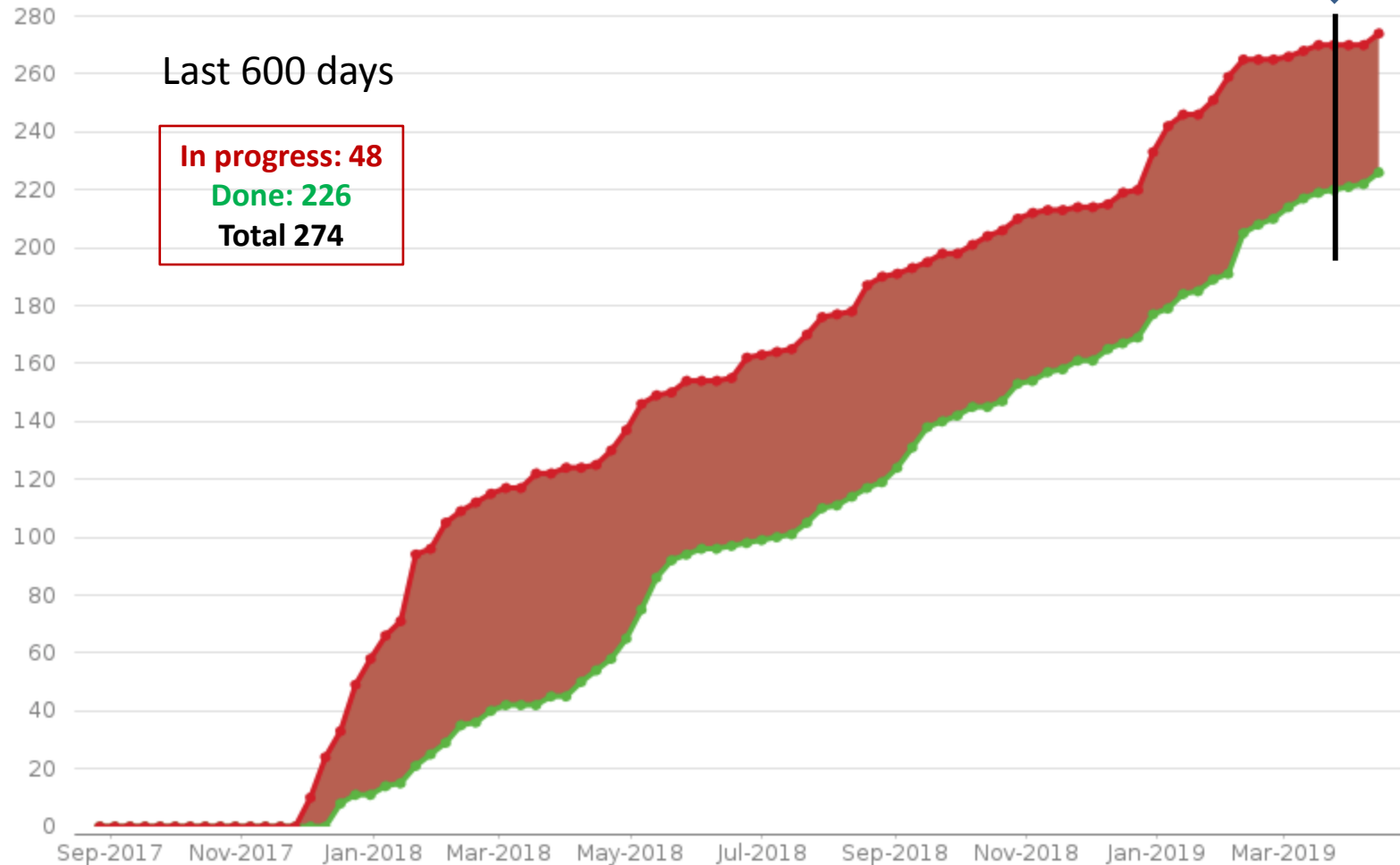## Status Report (Apr 18, 2019)

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Project: Post RHIC Migration BCF & CDCE Cleansing & Service Normalization (2018Q1-2019Q2)

Chart

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last **600** days.
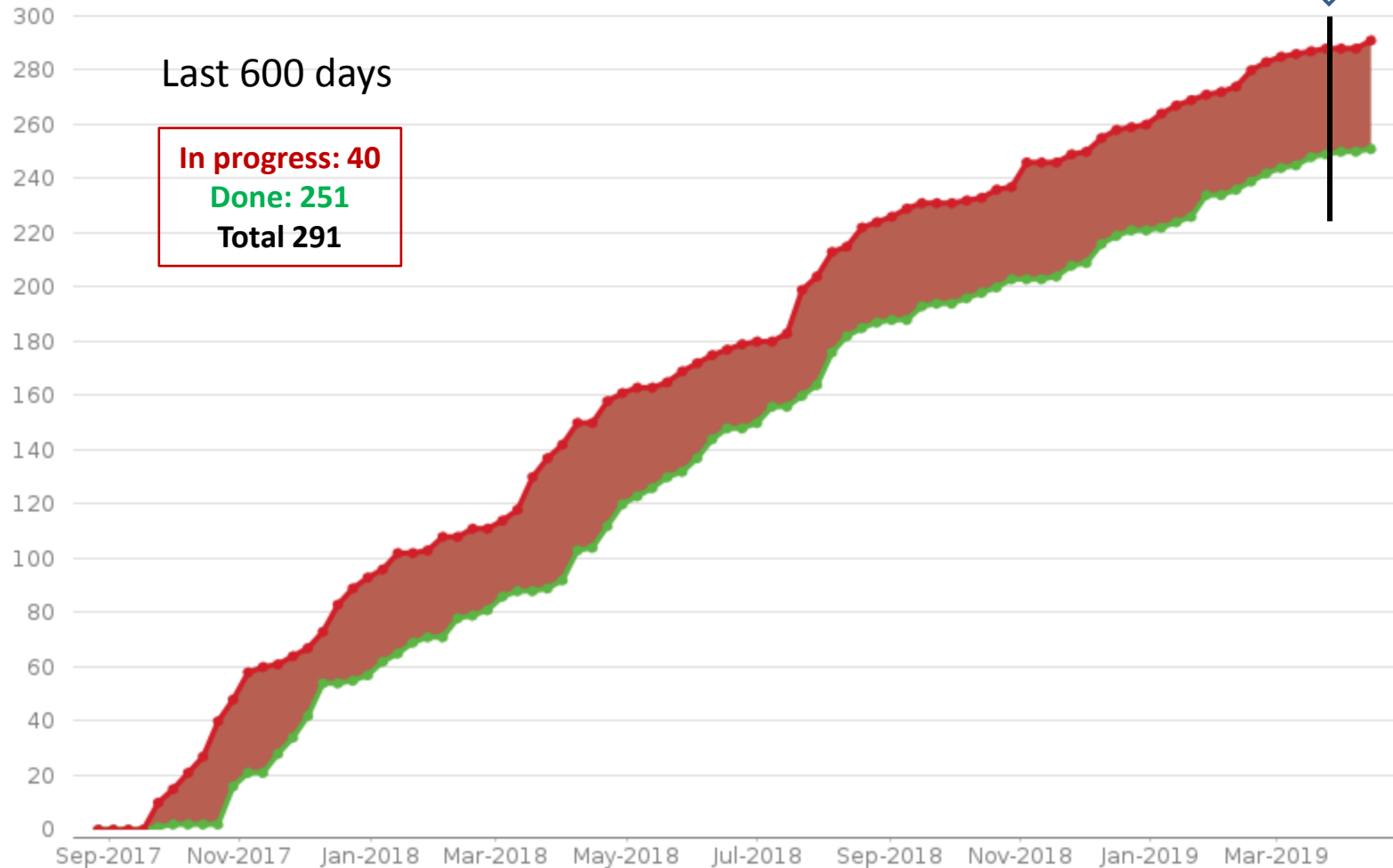
Previous Report

Last 600 days

In progress: 48
Done: 226
Total 274

Project: RACF/SDCC Network Operations & Interventions

Chart

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last **600** days.

Previous Report

Last 600 days

In progress: 40
Done: 251
Total 291

Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations (1)

- New ATLAS Tier-1 storage installation in CDCE (6 racks, 21.6 PB usable in the final config)
  - 24 out of 24 disk arrays are received, 25 out of 25 storage servers are received
  - 3 new storage racks out of 6 are being placed in production
  - The data migration to the 3 out of 6 new racks of ATLAS dCache storage is complete
  - All racks of new ATLAS Tier-1 dCache purchase are now powered up at their final location and provided with network uplinks

- Preparations for the purchase of the first rack of new RHIC HPSS movers (rack 44-4) and the OSD nodes for the new ATLAS Ceph cluster is entering the final stages

- Preparations for the B515 SciCore replacement:
  - The replacement of **phnxwrt** host group is being prepared for deployment in rack 45-6 (to be migrated out of the s770/s771 switch pair to the Storage Core) – IN PROGRESS
  - Former HPC home directories GPFS and CFN GPFS are being moved out the s770/s771 switch pair to the Storage Core tomorrow (Apr 5, 2019) - DONE

- Staff SSH gateway (cssh00 & rsec00) functionality was moved to the new hardware in rack 17-1 by the GS Group; rack 4-8 is expected to stop blocking the way of finalizing the deployment of the ATLAS dCache HPSS read cache system starting from tomorrow (Apr 5, 2019) – **DONE**

- Racks 3-[2-5] are now re-integrated into row 4 and being repurposed as PHENIX dCache addition; rack 4-8 (the last remaining legacy GCE rack) is being retired

Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations (2)

- LQCD dCache installation (rack 44-6)
  - A single repurposed serve is provided with network uplinks, another one will join later
- Rack position 45-5 to be freed by moving the existing Hitachi H130 rack to Sigma-7 next week
  - Potential place for the 2nd RHIC infrastructure rack replacing the rack 4-10 (right next to the 1st one in position 45-6 which is getting 75% full)
- Upcoming test HPSS libraries removal from the Facility (early May 2019)
  - Single frame IBM TS5400 in row 15
  - 6 frame SpectraLogic T-Finity installation in row 3
- Retirement of the legacy CFN Gen.3
  - Rack 30-[4, 5] in the QCDOC
- ATLAS HPSS movers retirement
  - Expected in row 17 shortly after this functionality is moved to the new equipment in row 44S in CDCE
- Electrical work will continue in QCDOC area
  - Legacy CFN Gen.4 and CSC KBASE racks 30-[7-10] are affected

Questions & Comments