RACF/SDCC Network Operations
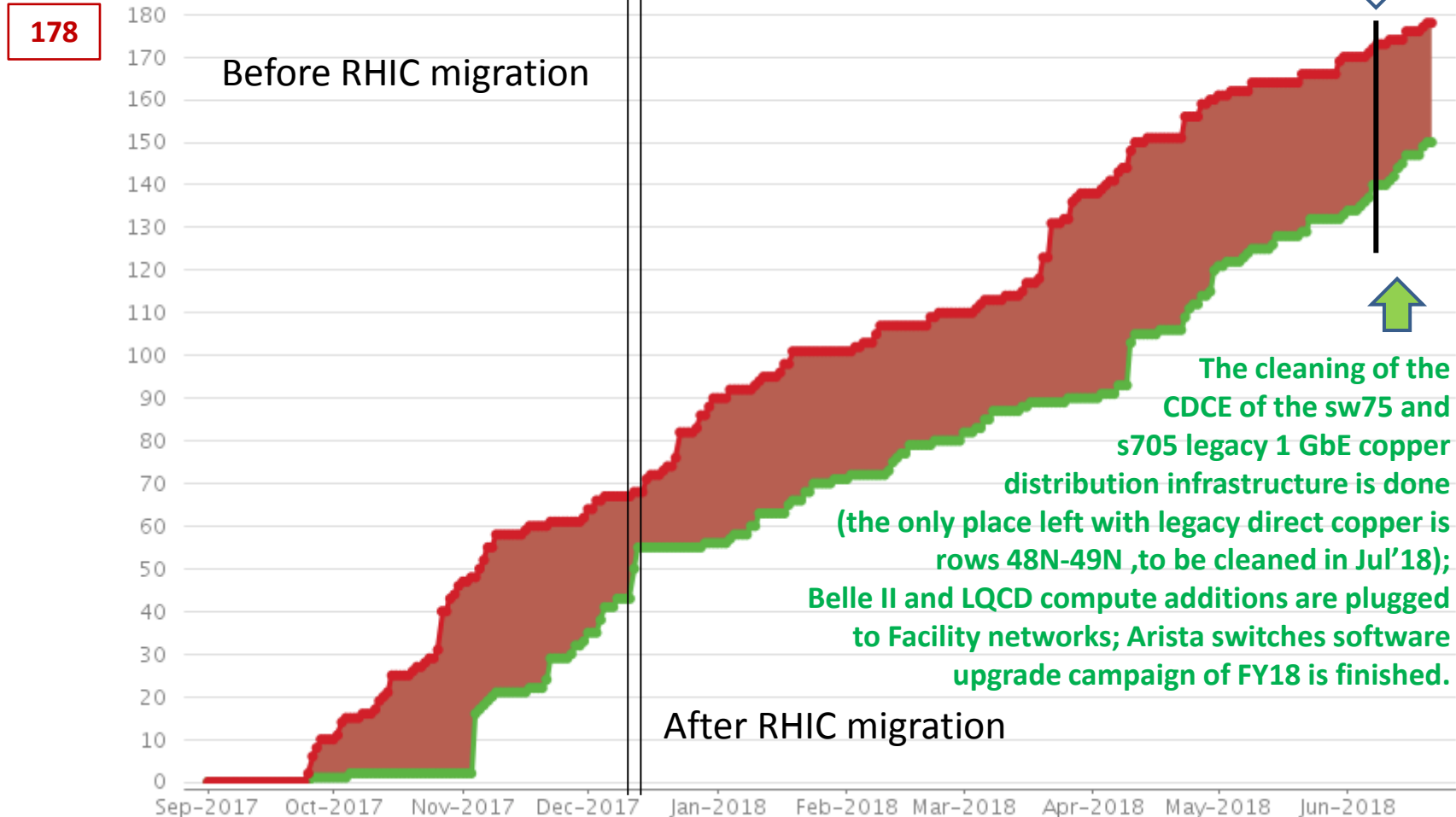## Status Report (June 21, 2018)

Alexandr ZAYTSEV

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Project: RACF/SDCC Network Operations & Interventions
Chart

This chart shows the number of issues **created** vs the number of issues **resolved** in the last **294** days.

Previous Report

178

Before RHIC migration

After RHIC migration

The cleaning of the CDCE of the sw75 and s705 legacy 1 GbE copper distribution infrastructure is done (the only place left with legacy direct copper is rows 48N-49N ,to be cleaned in Jul'18); Belle II and LQCD compute additions are plugged to Facility networks; Arista switches software upgrade campaign of FY18 is finished.

Project: RACF/SDCC Network Operations & Interventions

Chart

This chart shows the number of issues **created** vs the number of issues **resolved** in the last **294** days.

Previous Report

178

180

170

Assignee

Frank Burstein = 43

Mark Lukasczyk = 41

Alexandr Zaytsev = 70
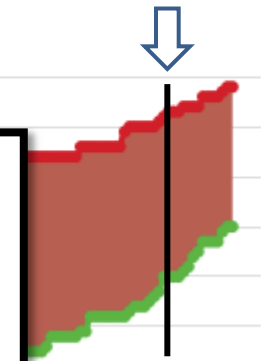
Jason A. Smith = 9

John McCarthy = 5

Hironori Ito = 4

Tejas Rao = 3

Ofer Rind = 1

John De Stefano = 1

Chris Hollowell = 1

cleaning of the
f the sw75 and
y 1 GbE copper
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direct copper is
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ns are plugged
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Y18 is finished.

8   Jun-2018

3

Project: Post RHIC Migration BCF & CDCE Cleansing & Service Normalization (2018Q1-3)
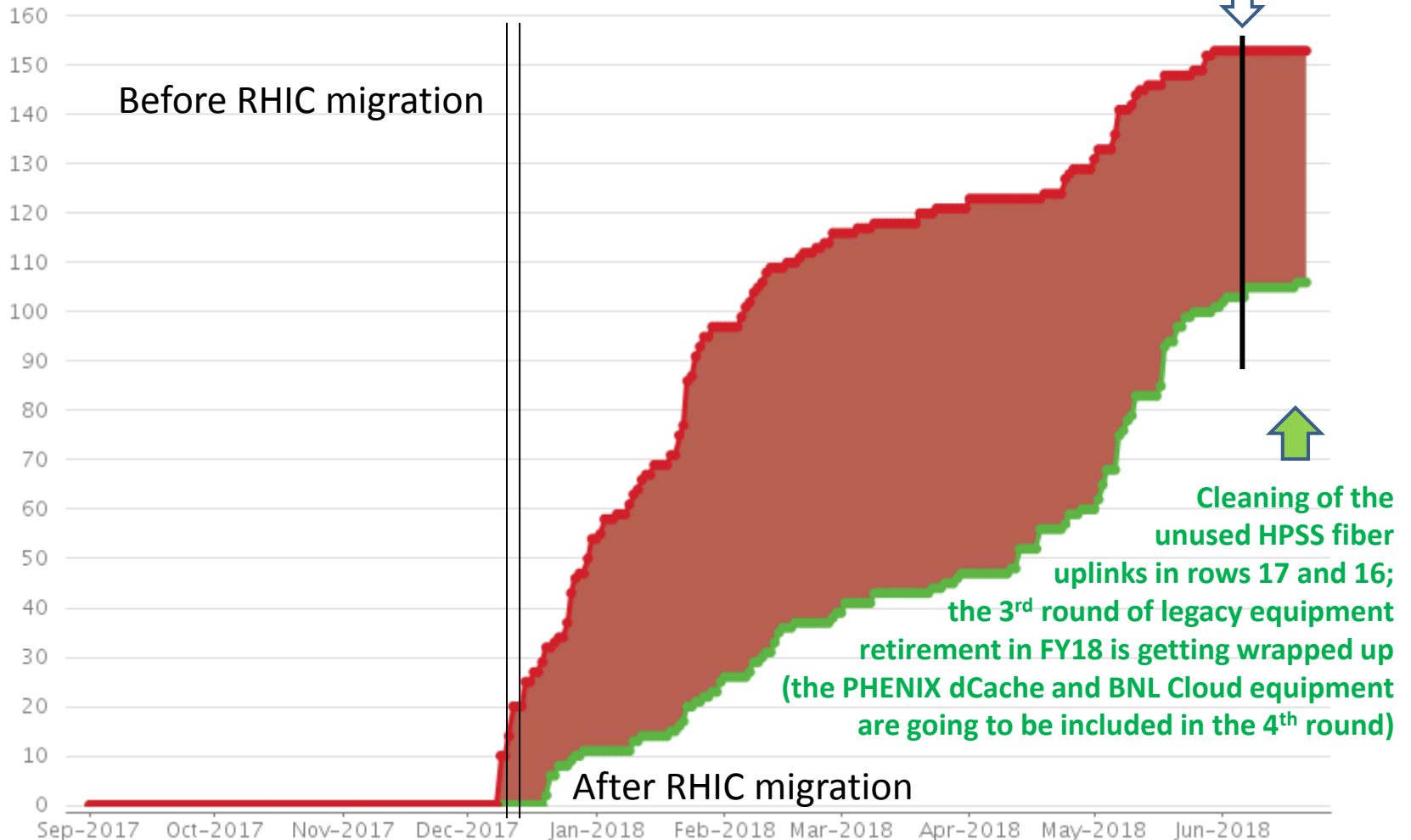
Chart

This chart shows the number of issues **created** vs the number of issues **resolved** in the last **294** days.

Previous Report

153

Before RHIC migration

After RHIC migration

Cleaning of the unused HPSS fiber uplinks in rows 17 and 16; the 3rd round of legacy equipment retirement in FY18 is getting wrapped up (the PHENIX dCache and BNL Cloud equipment are going to be included in the 4th round)

Project: Post RHIC Migration BCF & CDCE Cleansing & Service Normalization (2018Q1-3)
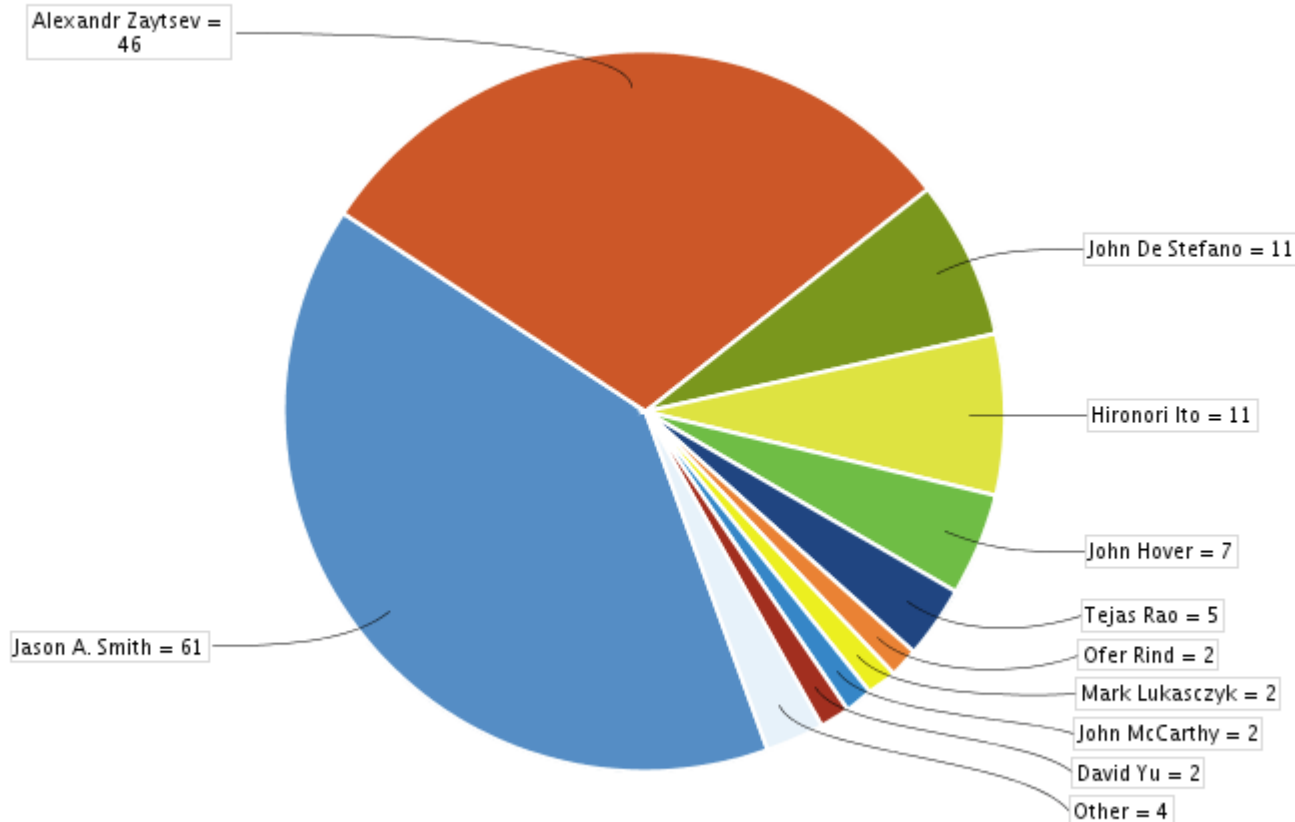
Chart

This chart shows the number of issues **created** vs the number of issues **resolved** in the last **294** days.

Previous Report

153

160

Assignee

Alexandr Zaytsev = 46

John De Stefano = 11

Hironori Ito = 11

John Hover = 7

Tejas Rao = 5

Ofer Rind = 2

Mark Lukasczyk = 2

John McCarthy = 2

David Yu = 2

Other = 4

Jason A. Smith = 61

**Cleaning of the
unused HPSS fiber
in rows 17 and 16;
legacy equipment
getting wrapped up
Cloud equipment
in the 4th round)**

Jun-2018

Recent Developments

- Conversion of compute node racks to spine-and-leaf infrastructure in CDCE
  - Dell/Force10 Exascale s705 (row 50S) and Brocade SX-1600 (row 48N) – gone
  - Several rack spaces got liberated in row 48N as result already plus at least 3 rack spaces formerly occupied by network equipment are to be returned to ATLAS Farm in June 2018
  - Cleaning of the legacy copper infrastructure (cables, cable bridges and cable trays) in rows 47N, 49S, 50S, 50N, 51S is finished
- New equipment plugged to Facility networks next week:
  - Belle II compute node rack in row 48S (local BoR switch)
  - 3x racks of LQCD cluster is added to the IC and its EDR IB fabric and Ethernet networks
- Retirement of the legacy BNL Cloud installation (racks 49-[15-19]) and its out-of-support legacy Brocade RX-16 network core (rack 48-19) is scheduled for July 2018
- Arista switch SW upgrade campaign of FY18 is finished (6.5 months long)
- Procurement of 28x Arista 7020T ToR switches plus associated copper and fiber material for complete replacement of legacy s803/s804 switches is now in progress
  - The first intervention for the 1 GbE attached compute node rack in the RCF room (STAR row 21, "small experiments" row 25 on s803) – to be done before the end of Jul'18
  - The second intervention for the 1 GbE attached compute node rack in the main BGL room (STAR and PHENIX in rows 1, 2, 12, 14 on s804) – to be done before the end of FY18

Questions & Comments