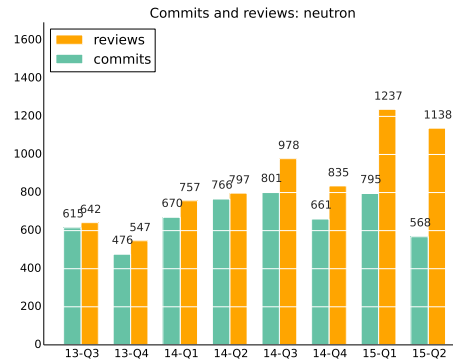OpenStack Community Activity Report: Neutron
April-June, 2015
Report sponsored by the OpenStack Foundation
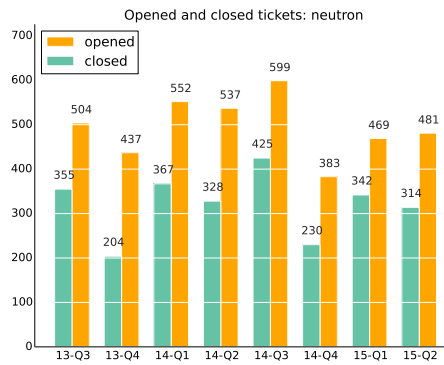
Bitergia

July 6, 2015

1

# 1   Activity

Commits in Git, submitted, merged and abandoned reviews in Gerrit and opened and closed issues in Launchpad.



| Period | Commits | Reviews |
|--------|--------:|--------:|
| 13-Q3 | 615 | 642 |
| 13-Q4 | 476 | 547 |
| 14-Q1 | 670 | 757 |
| 14-Q2 | 766 | 797 |
| 14-Q3 | 801 | 978 |
| 14-Q4 | 661 | 835 |
| 15-Q1 | 795 | 1237 |
| 15-Q2 | 568 | 1138 |



| Period | Closed | Opened |
|--------|-------:|-------:|
| 13-Q3 | 355 | 504 |
| 13-Q4 | 204 | 437 |
| 14-Q1 | 367 | 552 |
| 14-Q2 | 328 | 537 |
| 14-Q3 | 425 | 599 |
| 14-Q4 | 230 | 383 |
| 15-Q1 | 342 | 469 |
| 15-Q2 | 314 | 481 |

2

Merged and abandoned reviews: neutron
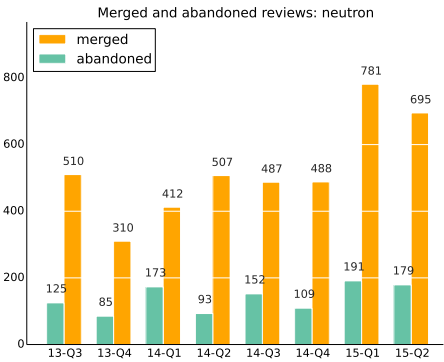
| Period | Merged | Abandoned |
|--------|--------|-----------|
| 13-Q3  | 510    | 125       |
| 13-Q4  | 310    | 85        |
| 14-Q1  | 412    | 173       |
| 14-Q2  | 507    | 93        |
| 14-Q3  | 487    | 152       |
| 14-Q4  | 488    | 109       |
| 15-Q1  | 781    | 191       |
| 15-Q2  | 695    | 179       |

# 2   Community

Active core reviewers in Gerrit, active authors in Git, top authors and organizations in the last quarter

Active Core Reviewers: neutron
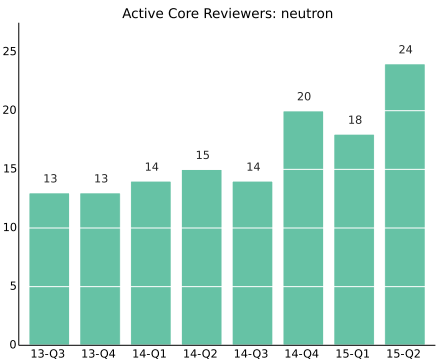
| Period | Active Core |
|--------|-------------|
| 13-Q3  | 13          |
| 13-Q4  | 13          |
| 14-Q1  | 14          |
| 14-Q2  | 15          |
| 14-Q3  | 14          |
| 14-Q4  | 20          |
| 15-Q1  | 18          |
| 15-Q2  | 24          |

3

Authors neutron
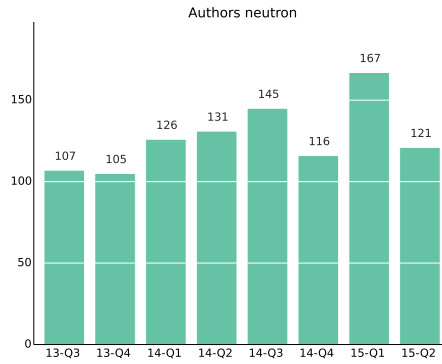
| Period | Authors |
|--------|---------|
| 13-Q3 | 107 |
| 13-Q4 | 105 |
| 14-Q1 | 126 |
| 14-Q2 | 131 |
| 14-Q3 | 145 |
| 14-Q4 | 116 |
| 15-Q1 | 167 |
| 15-Q2 | 121 |

| Commit (s) | Author |
|------------|--------|
| 59 | Kevin Benton |
| 35 | cedric.brandily |
| 25 | Assaf Muller |
| 25 | Ihar Hrachyshka |
| 19 | Armando Migliaccio |
| 17 | gessau |
| 16 | enikanorov |
| 14 | Jakub Libosvar |
| 14 | Maru Newby |
| 13 | Paul Michali |

| Commit (s) | Organizations |
|------------|---------------|
| 113 | Red Hat |
| 59 | Bit Switch Networks |
| 56 | HP |
| 51 | Cisco Systems |
| 40 | Mirantis |
| 35 | Thales |
| 25 | VMware |
| 19 | Internap |
| 19 | Nicira |
| 16 | Huawei |

# 3   Process

Efficiency closing changesets and tickets, time to review (mean and median), number of patchests (iterations) per changeset and study on the time waiting for a reviewer or submitter action in the patchset review process.

Efficiency closing tickets: neutron
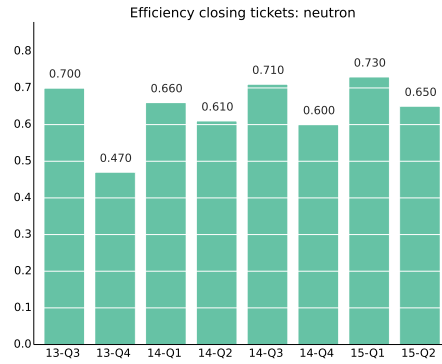
| Period | Closed/Opened |
|--------|---------------|
| 13-Q3 | 0.7 |
| 13-Q4 | 0.47 |
| 14-Q1 | 0.66 |
| 14-Q2 | 0.61 |
| 14-Q3 | 0.71 |
| 14-Q4 | 0.6 |
| 15-Q1 | 0.73 |
| 15-Q2 | 0.65 |



Changesets efficiency: neutron
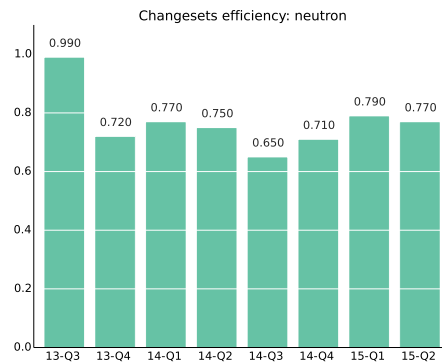
| Period | (Aband. and Merg.)/Subm. |
|--------|--------------------------|
| 13-Q3 | 0.99 |
| 13-Q4 | 0.72 |
| 14-Q1 | 0.77 |
| 14-Q2 | 0.75 |
| 14-Q3 | 0.65 |
| 14-Q4 | 0.71 |
| 15-Q1 | 0.79 |
| 15-Q2 | 0.77 |



Time to merge (days): neutron
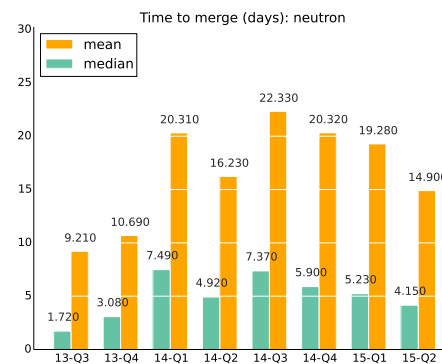
| Period | Median | Mean |
|--------|--------|------|
| 13-Q3 | 1.72 | 9.21 |
| 13-Q4 | 3.08 | 10.69 |
| 14-Q1 | 7.49 | 20.31 |
| 14-Q2 | 4.92 | 16.23 |
| 14-Q3 | 7.37 | 22.33 |
| 14-Q4 | 5.9 | 20.32 |
| 15-Q1 | 5.23 | 19.28 |
| 15-Q2 | 4.15 | 14.9 |

Patchsets per Changeset: neutron
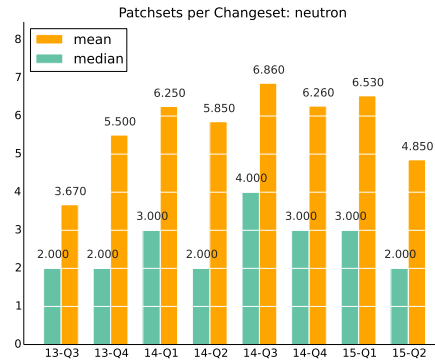
| Period | Median | Mean |
|--------|--------|------|
| 13-Q3 | 2.0 | 3.67 |
| 13-Q4 | 2.0 | 5.5 |
| 14-Q1 | 3.0 | 6.25 |
| 14-Q2 | 2.0 | 5.85 |
| 14-Q3 | 4.0 | 6.86 |
| 14-Q4 | 3.0 | 6.26 |
| 15-Q1 | 3.0 | 6.53 |
| 15-Q2 | 2.0 | 4.85 |



Time waiting for the reviewer: neutron
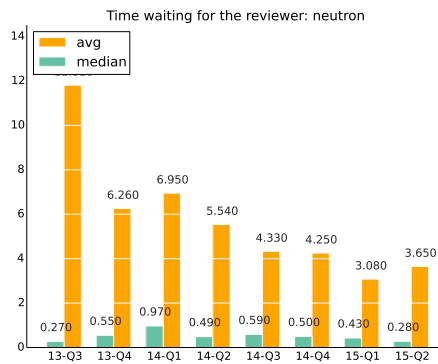
| Period | Median | Mean |
|--------|--------|------|
| 13-Q3 | 0.27 | 11.81 |
| 13-Q4 | 0.55 | 6.26 |
| 14-Q1 | 0.97 | 6.95 |
| 14-Q2 | 0.49 | 5.54 |
| 14-Q3 | 0.59 | 4.33 |
| 14-Q4 | 0.5 | 4.25 |
| 15-Q1 | 0.43 | 3.08 |
| 15-Q2 | 0.28 | 3.65 |



Time waiting for the submitter: neutron
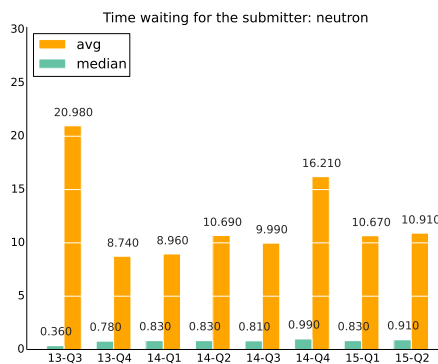
| Period | Median | Mean |
|--------|--------|------|
| 13-Q3 | 0.36 | 20.98 |
| 13-Q4 | 0.78 | 8.74 |
| 14-Q1 | 0.83 | 8.96 |
| 14-Q2 | 0.83 | 10.69 |
| 14-Q3 | 0.81 | 9.99 |
| 14-Q4 | 0.99 | 16.21 |
| 15-Q1 | 0.83 | 10.67 |
| 15-Q2 | 0.91 | 10.91 |