

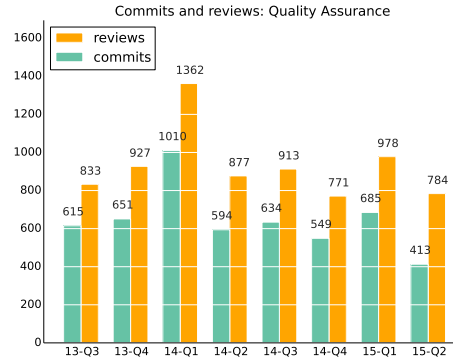
OpenStack Community Activity Report: Quality  
Assurance  
April-June, 2015  
Report sponsored by the OpenStack Foundation



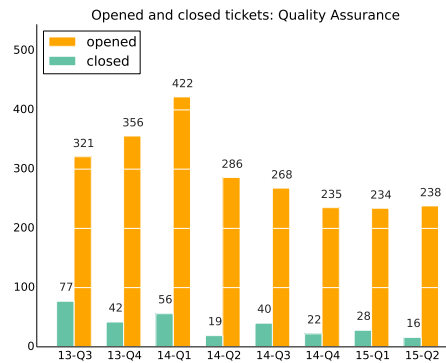
July 6, 2015

# 1 Activity

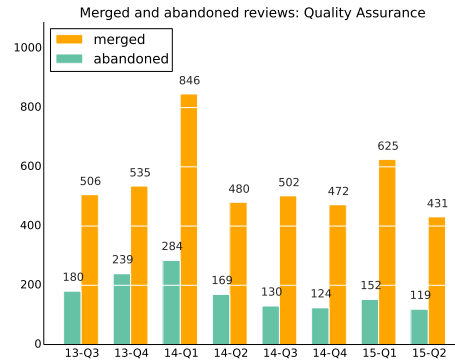
Commits in Git, submitted, merged and abandoned reviews in Gerrit and opened and closed issues in Launchpad.



| Period | Commits | Reviews |
|--------|---------|---------|
| 13-Q3  | 615     | 833     |
| 13-Q4  | 651     | 927     |
| 14-Q1  | 1010    | 1362    |
| 14-Q2  | 594     | 877     |
| 14-Q3  | 634     | 913     |
| 14-Q4  | 549     | 771     |
| 15-Q1  | 685     | 978     |
| 15-Q2  | 413     | 784     |



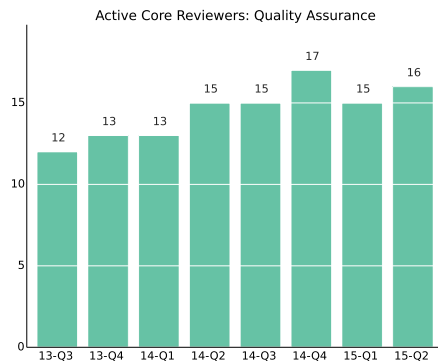
| Period | Closed | Opened |
|--------|--------|--------|
| 13-Q3  | 77     | 321    |
| 13-Q4  | 42     | 356    |
| 14-Q1  | 56     | 422    |
| 14-Q2  | 19     | 286    |
| 14-Q3  | 40     | 268    |
| 14-Q4  | 22     | 235    |
| 15-Q1  | 28     | 234    |
| 15-Q2  | 16     | 238    |



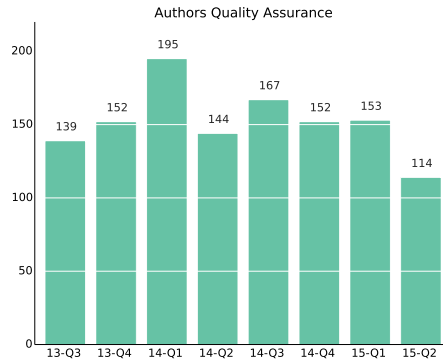
| Period | Merged | Abandoned |
|--------|--------|-----------|
| 13-Q3  | 506    | 180       |
| 13-Q4  | 535    | 239       |
| 14-Q1  | 846    | 284       |
| 14-Q2  | 480    | 169       |
| 14-Q3  | 502    | 130       |
| 14-Q4  | 472    | 124       |
| 15-Q1  | 625    | 152       |
| 15-Q2  | 431    | 119       |

## 2 Community

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



| Period | Active Core |
|--------|-------------|
| 13-Q3  | 12          |
| 13-Q4  | 13          |
| 14-Q1  | 13          |
| 14-Q2  | 15          |
| 14-Q3  | 15          |
| 14-Q4  | 17          |
| 15-Q1  | 15          |
| 15-Q2  | 16          |



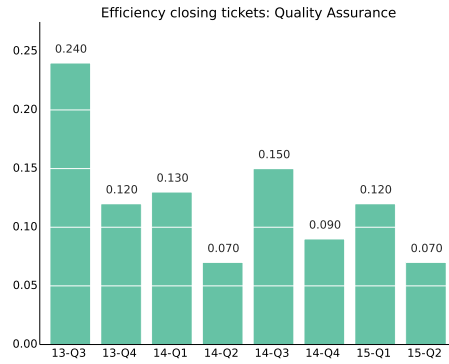
| Period | Authors |
|--------|---------|
| 13-Q3  | 139     |
| 13-Q4  | 152     |
| 14-Q1  | 195     |
| 14-Q2  | 144     |
| 14-Q3  | 167     |
| 14-Q4  | 152     |
| 15-Q1  | 153     |
| 15-Q2  | 114     |

| Commit (s) | Author           |
|------------|------------------|
| 87         | Sean Dague       |
| 45         | Matthew Treinish |
| 28         | Ken'ichi Ohmichi |
| 20         | Ian Wienand      |
| 13         | David Kranz      |
| 12         | Andrea Frittoli  |
| 9          | Matt Riedemann   |
| 8          | Chris Dent       |
| 7          | Davanum Srinivas |
| 6          | Dan Smith        |

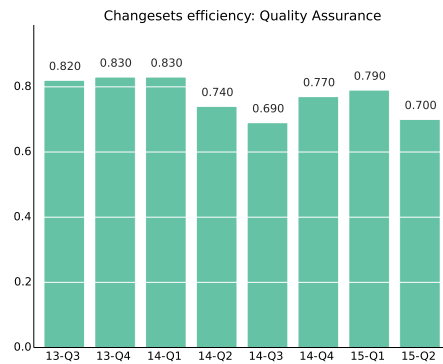
| Commit (s) | Organizations |
|------------|---------------|
| 170        | HP            |
| 67         | Red Hat       |
| 33         | NEC           |
| 29         | IBM           |
| 14         | Mirantis      |
| 7          | Rackspace     |
| 7          | SUSE          |
| 6          | Comcast       |
| 5          | Yahoo!        |
| 4          | Cloudscaling  |

### 3 Process

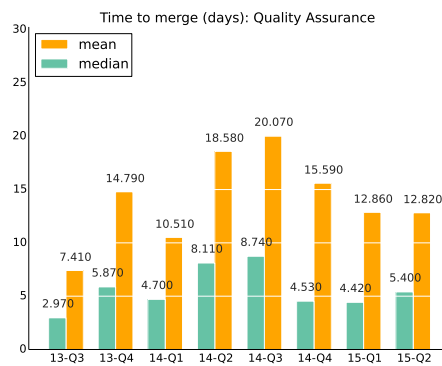
Efficiency closing changesets and tickets, time to review (mean and median), number of patchsets (iterations) per changeset and study on the time waiting for a reviewer or submitter action in the patchset review process.



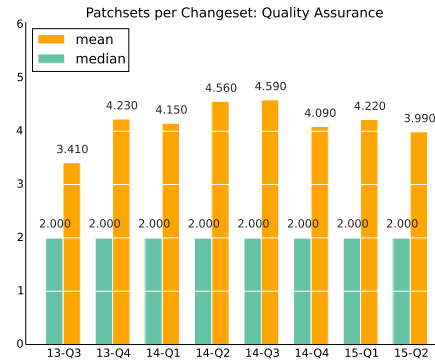
| Period | Closed/Opened |
|--------|---------------|
| 13-Q3  | 0.24          |
| 13-Q4  | 0.12          |
| 14-Q1  | 0.13          |
| 14-Q2  | 0.07          |
| 14-Q3  | 0.15          |
| 14-Q4  | 0.09          |
| 15-Q1  | 0.12          |
| 15-Q2  | 0.07          |



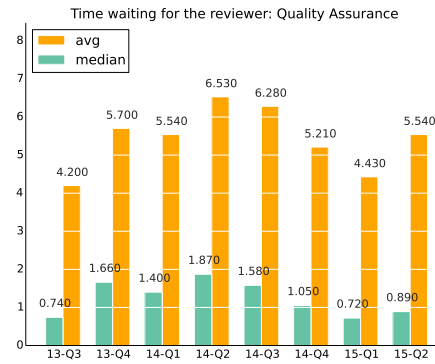
| Period | Closed/Opened |
|--------|---------------|
| 13-Q3  | 0.82          |
| 13-Q4  | 0.83          |
| 14-Q1  | 0.83          |
| 14-Q2  | 0.74          |
| 14-Q3  | 0.69          |
| 14-Q4  | 0.77          |
| 15-Q1  | 0.79          |
| 15-Q2  | 0.7           |



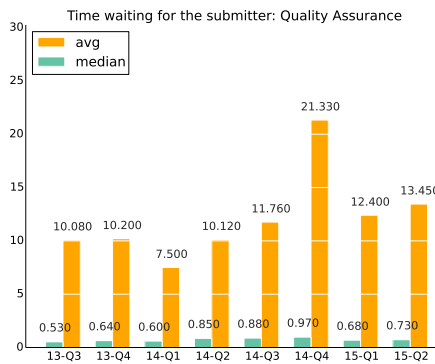
| Period | Median | Mean  |
|--------|--------|-------|
| 13-Q3  | 2.97   | 7.41  |
| 13-Q4  | 5.87   | 14.79 |
| 14-Q1  | 4.7    | 10.51 |
| 14-Q2  | 8.11   | 18.58 |
| 14-Q3  | 8.74   | 20.07 |
| 14-Q4  | 4.53   | 15.59 |
| 15-Q1  | 4.42   | 12.86 |
| 15-Q2  | 5.4    | 12.82 |



| Period | Median | Mean |
|--------|--------|------|
| 13-Q3  | 2.0    | 3.41 |
| 13-Q4  | 2.0    | 4.23 |
| 14-Q1  | 2.0    | 4.15 |
| 14-Q2  | 2.0    | 4.56 |
| 14-Q3  | 2.0    | 4.59 |
| 14-Q4  | 2.0    | 4.09 |
| 15-Q1  | 2.0    | 4.22 |
| 15-Q2  | 2.0    | 3.99 |



| Period | Median | Mean |
|--------|--------|------|
| 13-Q3  | 0.74   | 4.2  |
| 13-Q4  | 1.66   | 5.7  |
| 14-Q1  | 1.4    | 5.54 |
| 14-Q2  | 1.87   | 6.53 |
| 14-Q3  | 1.58   | 6.28 |
| 14-Q4  | 1.05   | 5.21 |
| 15-Q1  | 0.72   | 4.43 |
| 15-Q2  | 0.89   | 5.54 |



| Period | Median | Mean  |
|--------|--------|-------|
| 13-Q3  | 0.53   | 10.08 |
| 13-Q4  | 0.64   | 10.2  |
| 14-Q1  | 0.6    | 7.5   |
| 14-Q2  | 0.85   | 10.12 |
| 14-Q3  | 0.88   | 11.76 |
| 14-Q4  | 0.97   | 21.33 |
| 15-Q1  | 0.68   | 12.4  |
| 15-Q2  | 0.73   | 13.45 |