The Merge Queue is gone

- The SUBMITTED state is gone
  - No more “Submitted, Merge Pending”
  - Only states: New, Draft, Merged, Abandoned

- Immediate feedback!
  - Either you can be sure it merged,
  - or an error pops up in the change screen
Submission of ancestors

- Typical workflow:
  - Submit in backwards order
  - Piling up pending changes
  - On submission of the first change, all are merged (hopefully)

- Replaced by submission of ancestors
  - “Submit this change and 5 ancestors”
  - pseudo atomic
Submission of ancestors

<table>
<thead>
<tr>
<th>Owner</th>
<th>Stefan Beller</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer</td>
<td>Stefan Beller</td>
</tr>
<tr>
<td>Project</td>
<td>testgerrit_mainproject</td>
</tr>
<tr>
<td>Branch</td>
<td>master</td>
</tr>
<tr>
<td>Strategy</td>
<td>Merge if Necessary</td>
</tr>
<tr>
<td>Updated</td>
<td>19 seconds ago</td>
</tr>
</tbody>
</table>

| Code-Review  | +1 Stefan Beller |
| Verified     | +1 Stefan Beller |

Related Changes (2) | Submitted Together (2) | Conflicts With (1)
---------------------|------------------------|---------------------
| testgerrit_mainproject: master: Add first test |
| testgerrit_mainproject: master: Add test commit One |
Submission of ancestors
Submission of ancestors

Submit patch set 2 and ancestors (2 changes altogether) into master
Submission of topics

● A new workflow
  ○ Submit whole topic
  ○ “Submit all 5 changes of the same topic (7 changes including ancestors and other changes related by topic)”

● Submission coupled by topics and ancestors thereof
  ○ works across repositories
  ○ pseudo atomic
Submission of topics

How to use the basic headline + body:

1. Replace body text by either typing directly into table boxes or copy and paste content in from other source.
Submission of topics

How to use the basic headline + body:

1. Replace body text by either typing directly into table boxes or copy and paste content in from other source.
Atomicity in Android
Superproject subscriptions

- Have Android in a superproject
  - All components in Submodules
  - Changes in submodules trigger automatic update in the superproject
  - Coupling by topic across components, generates one superproject commit
- Benefits:
  - Atomic fetch
  - Less fetches (only updated submodules)
- Gerrit is ready, Git not yet.
Git submodules

- Improve Git
  - Performance (-j 16 for submodule related operations)
  - Better UI
- Gerrit
  - Better UI ? (show log instead of $SHA1..$SHA1)
  - Better configuration for superprojects
Thanks, Questions?
Was: Coupling Changes in Gerrit
2015-11-07, Stefan Beller, <sbeller@google.com>