



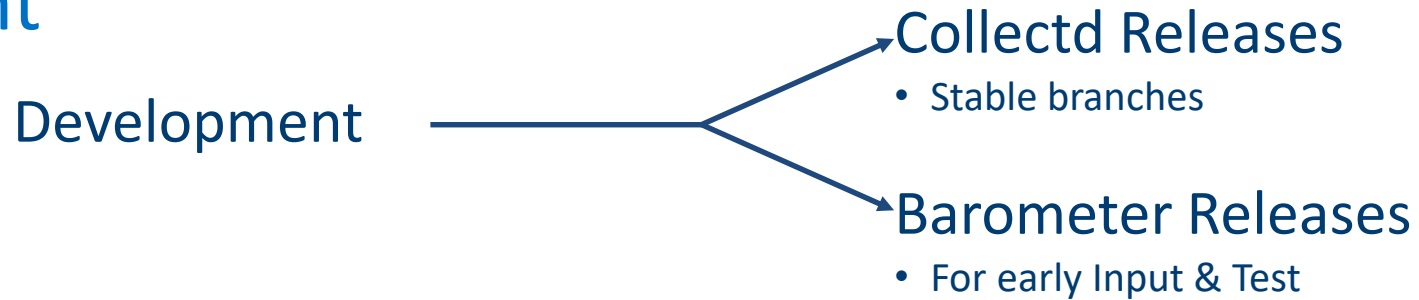
Barometer Container Deployment

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Existing Container Deployment

- Deploys collectd container based on latest release (5.8) branch
- Functest runs with Collectd 5.8

Intent



Gaps w/ Existing Approach

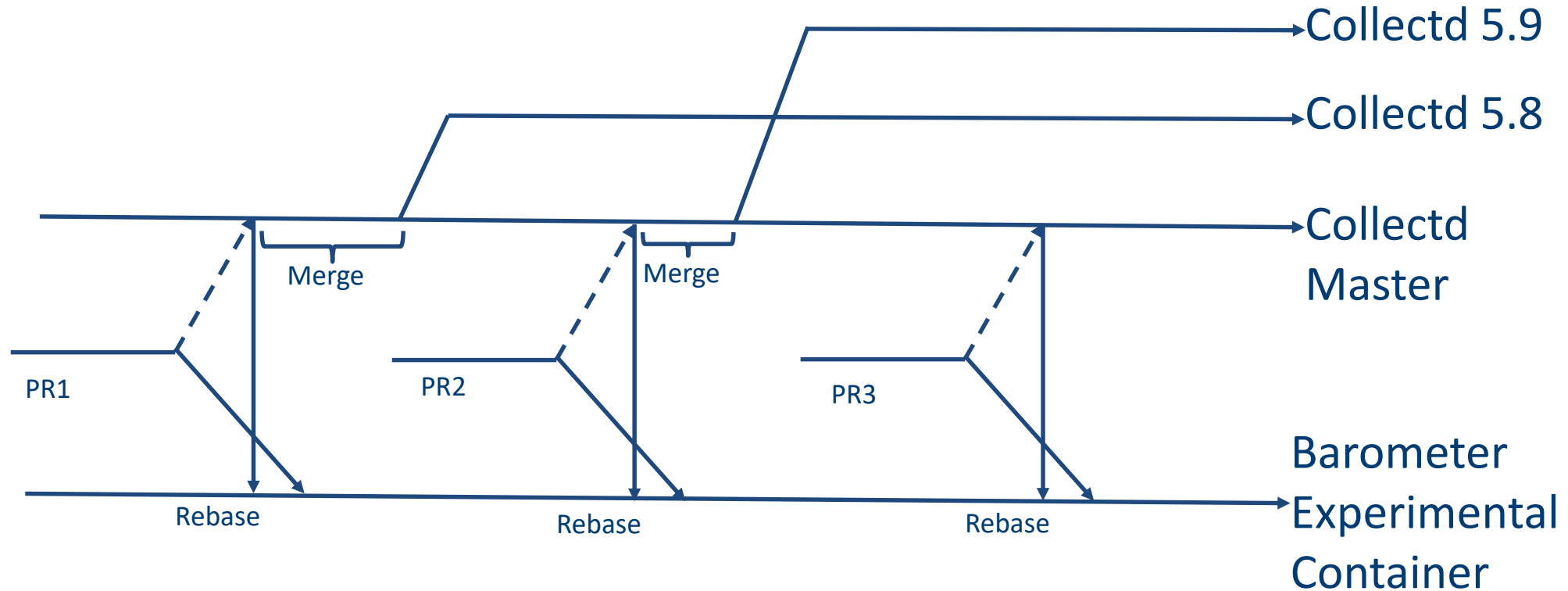
- Unknown Collectd release cadence
- Difficult to showcase new features
- Does not incorporate upstream fixes

Proposed Container Deployment

- 3 container approach
 1. “Stable” – currently available container with latest stable release branch (5.8).
 2. “Master” – *new container*, based on latest collectd master branch.
 - Patches ready, to be upstreamed
 - Bi-weekly cadence?
 3. “Experimental” – *new container*, with selected patches, that are not accepted/merged yet
 - Based on latest collectd master branch.
 - Treated as unstable, and any issues with additional patching may not be covered immediately.
 - No Functest support
- Changes required
 - Add new containers to CI builds
 - Tag containers appropriately

Proposal

- The idea is to provide multiple containers with different set of features and level of stability for early evaluation.



Pros Vs Cons

Container	Pros	Cons
Stable	Last stable release packed in same manner	Lack of features introduced after last release
Master	All changes already accepted by community	Time between creating PR and merge to master
Experimental	Latest features available to check and test	May be unstable and fixing may not be immediately

Current Status

- “Master” container already upstreamed
- “Experimental” container under development
- The following cadence needs to be discussed
 - Rebasing with Upstream Collectd Master
 - Cherrypick new features in experimental container