



Doug Hellmann — EuroPython 2018

Olden Days and Early Releases

- 6 Projects
- Manual release process
- Wiki-based release notes



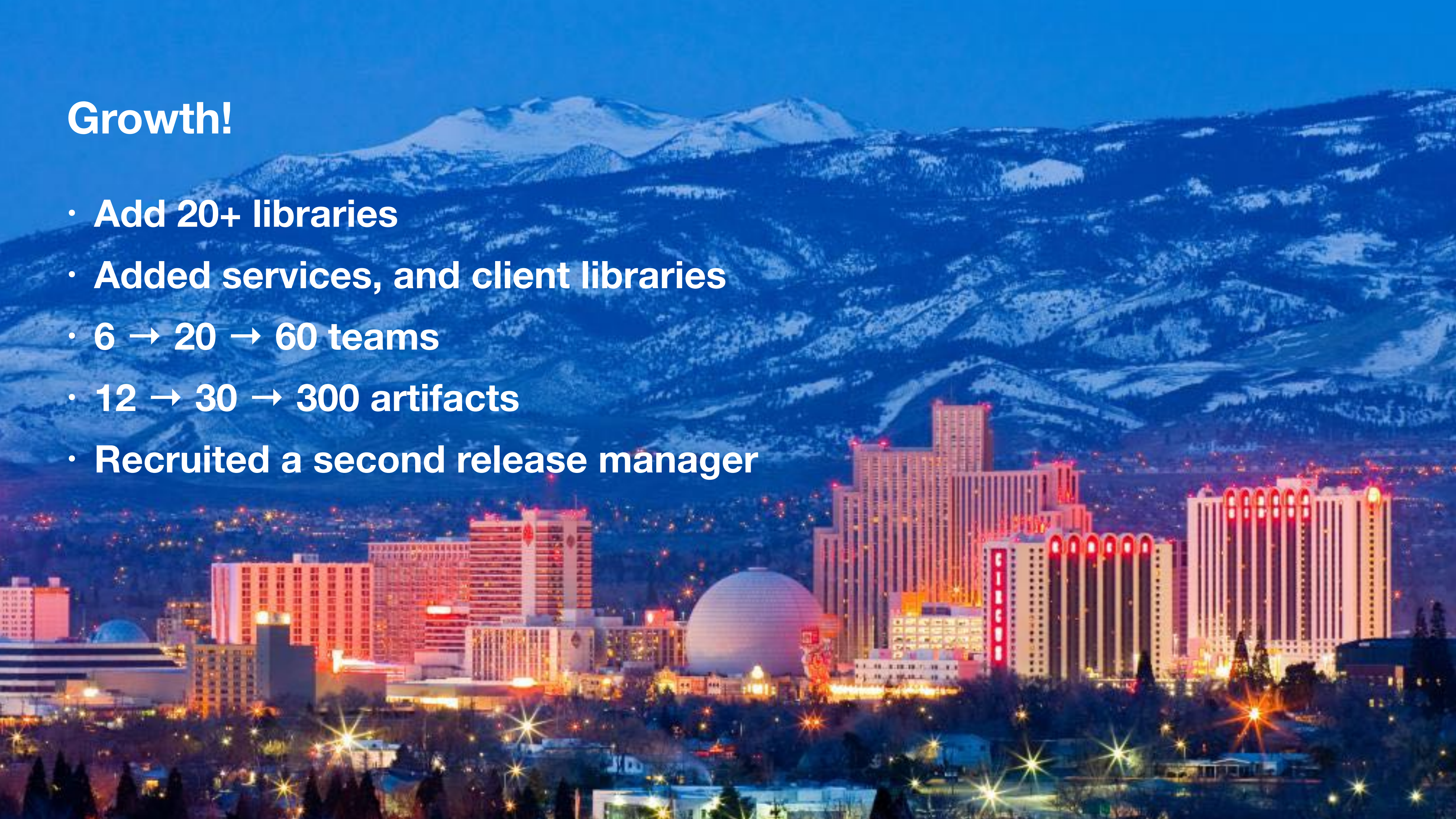
What's the big deal?

- Separate process == extra work
- Reviewing 6 months of work for user-facing changes
- Review existing notes for accuracy
- No fun
- Usually not updated when bug fixes were back-ported



Growth!

- Add 20+ libraries
- Added services, and client libraries
- 6 → 20 → 60 teams
- 12 → 30 → 300 artifacts
- Recruited a second release manager



How can we improve?

- ~~Automate writing~~
- Make writing *easier*
- Add and maintain notes as the work is completed
- Automate publishing

What do we want?

Content

- Peer-reviewed
- Organized sections
- Mutable
- Avoid merge conflicts

Process

- Contributor ignores versions
- Support back-porting
- *No* manual publishing steps

What do we want?

Content

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Option 1: Sphinx

Pros

- Simple
- Notes and code together
- Familiarity
- Publishing automation exists
- Mutable

Cons

- Messy merge conflicts (master and back-ports)
- How do you manage versions?

Option 2: Commit Messages

Pros

- Notes and code together
- Always have one
- Peer-reviewed

Cons

- Wrong audience
- Hard to organize
- Immutable

Option 3: git notes

Pros

- Notes and code together

Cons

- git setup more complex
- Requires special gerrit permissions
- Peer-reviewed?

Option 4: Data Files

- Many small files
- Use git as database
- Tools for adding, listing, reporting
- Sphinx integration


```
$ reno new D
```

```
Created new notes file in releasenotes/notes/D-62ffea892937265f.yaml
```

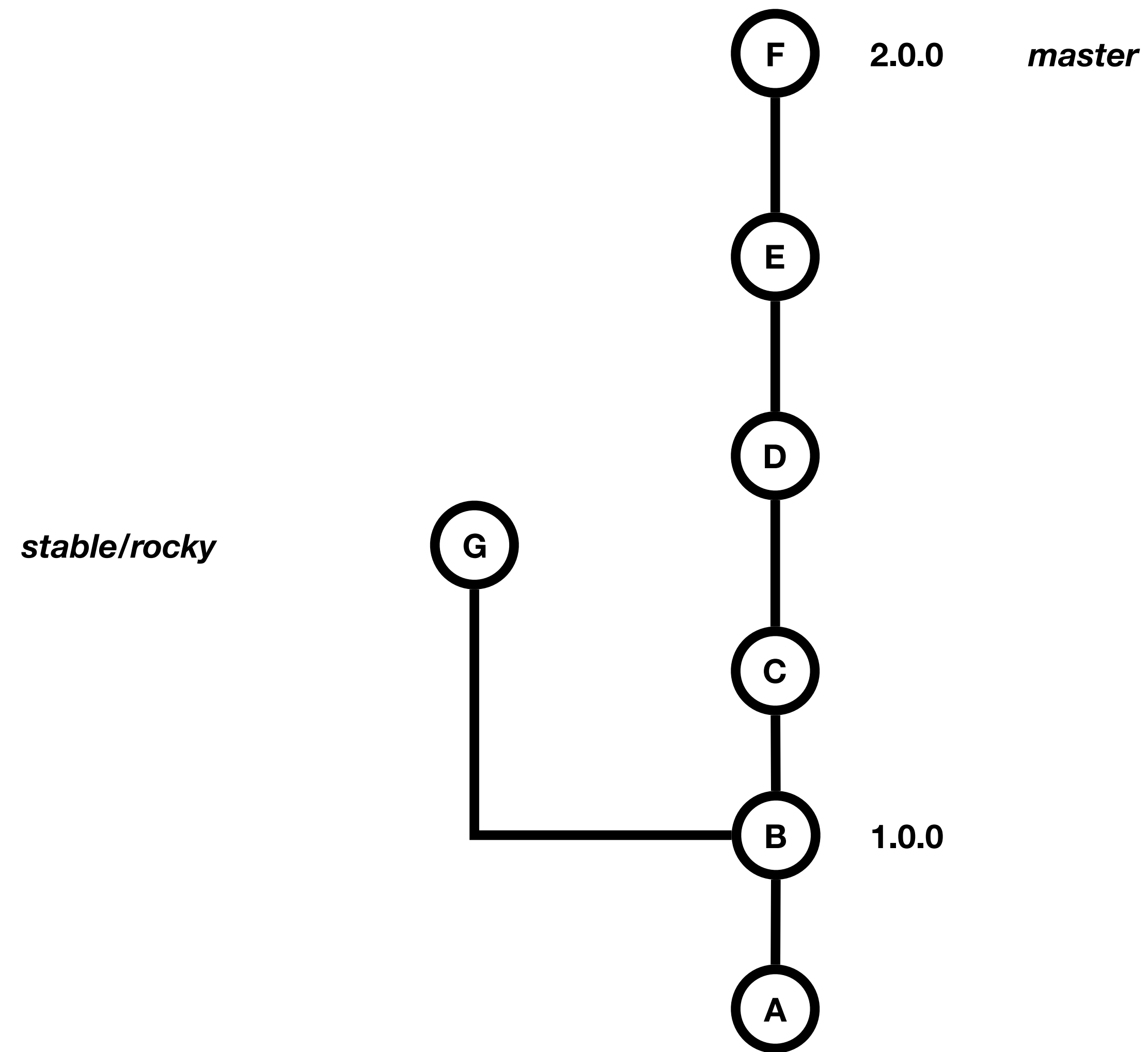


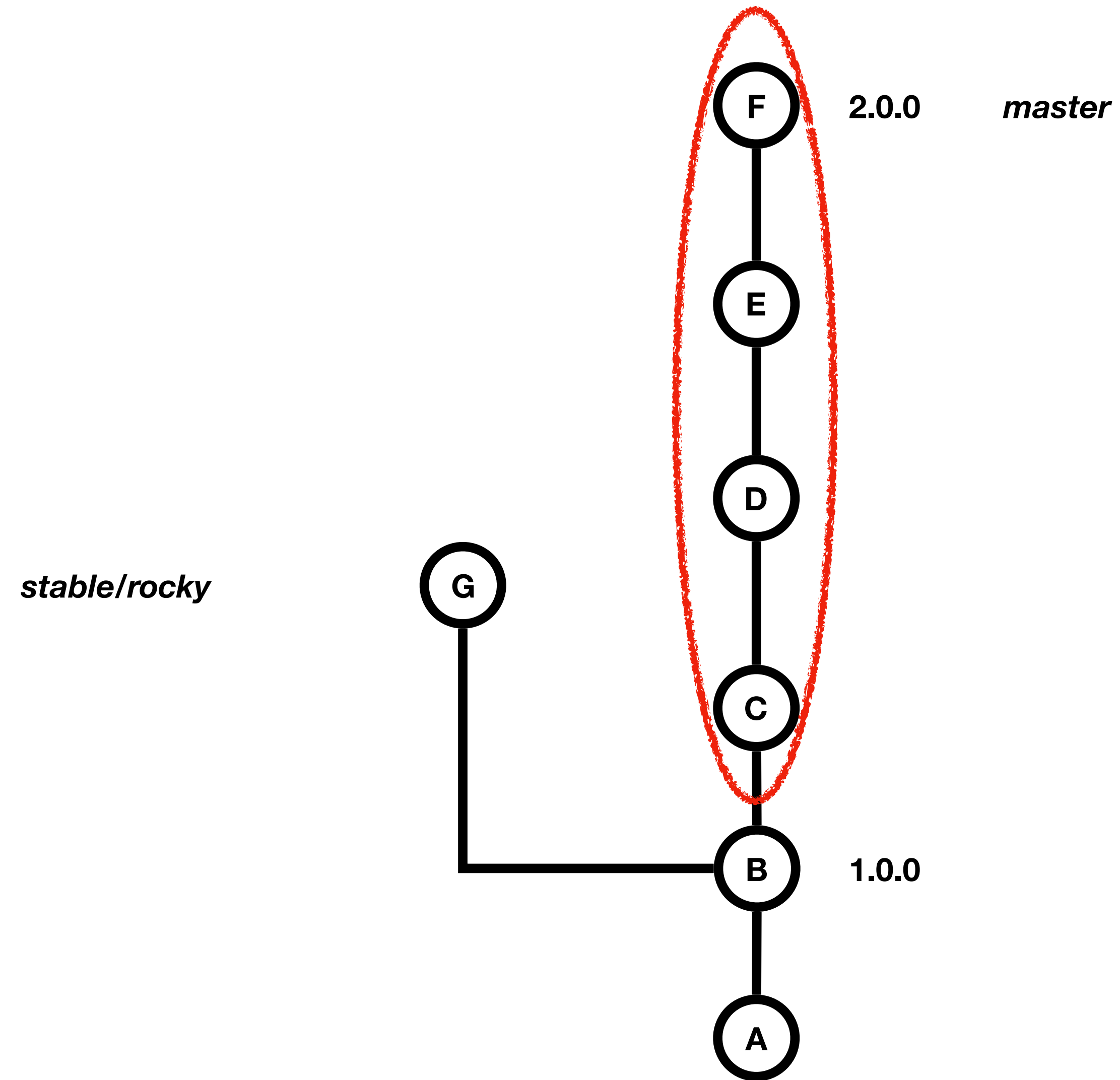
```
$ cat releasenotes/notes/D-62ffea892937265f.yaml
```

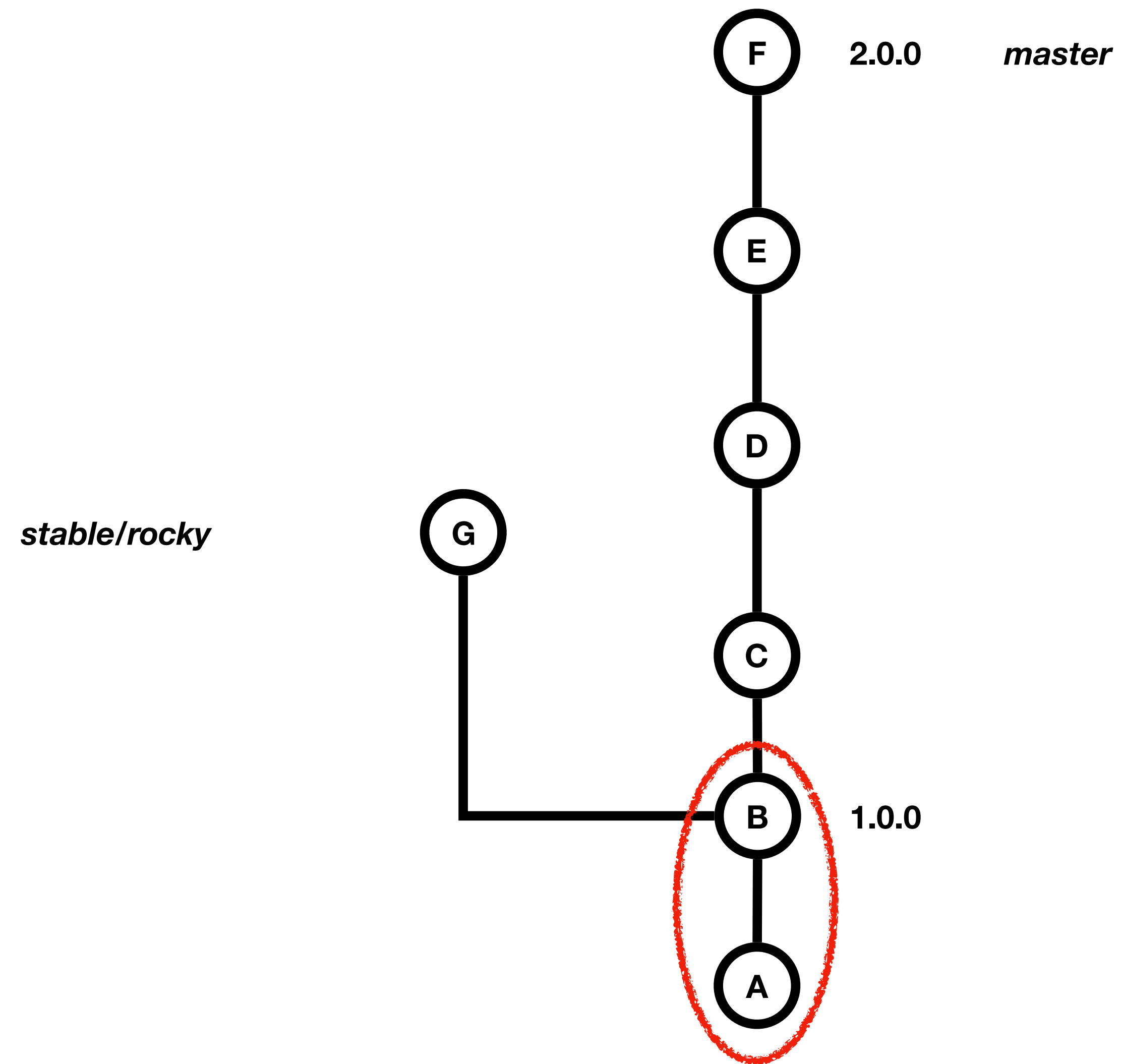
```
---
```

```
features:
```

- |
This is the fourth release note, D.







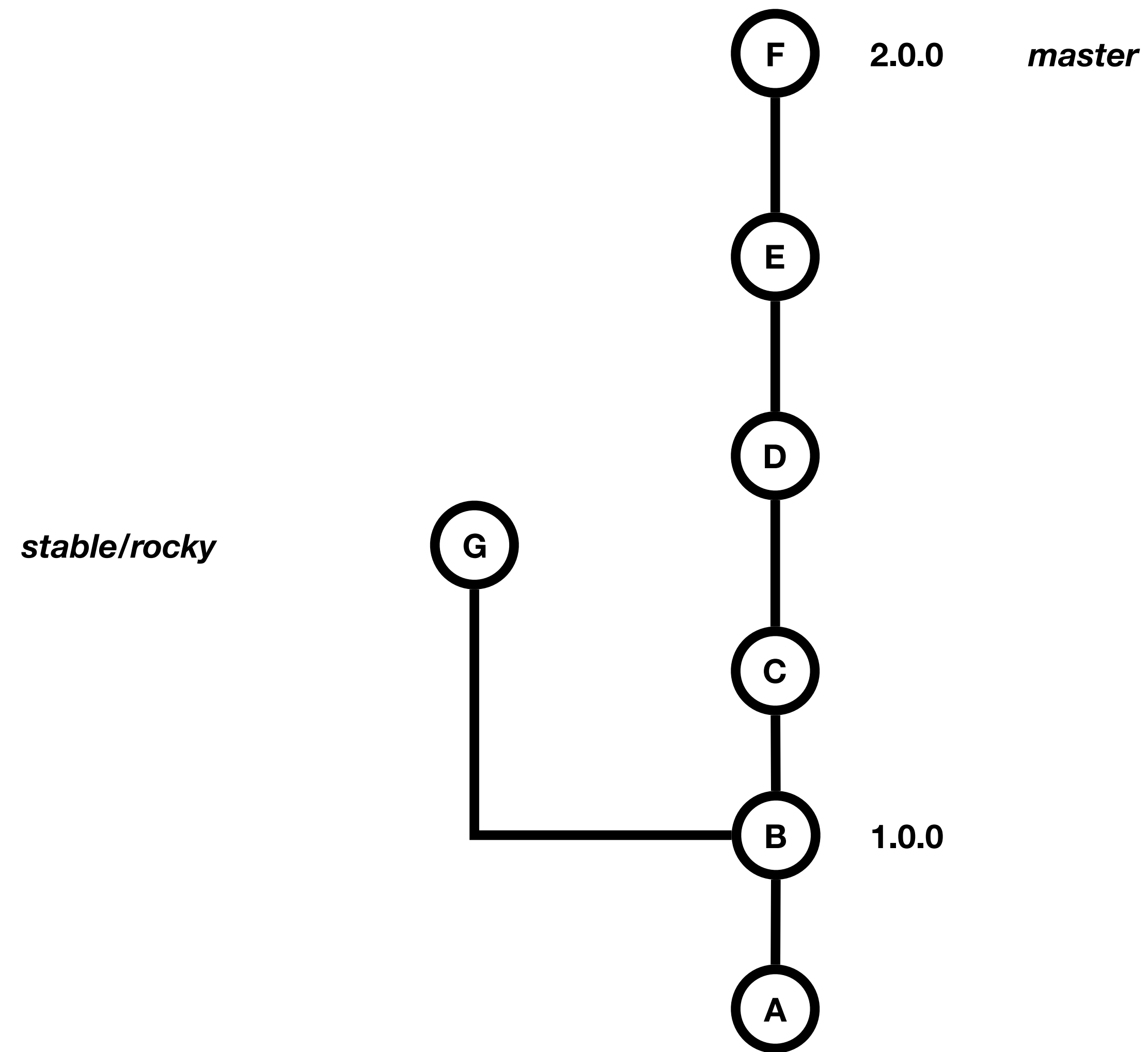

```
$ reno report -q --version 2.0.0 --no-show-source
```

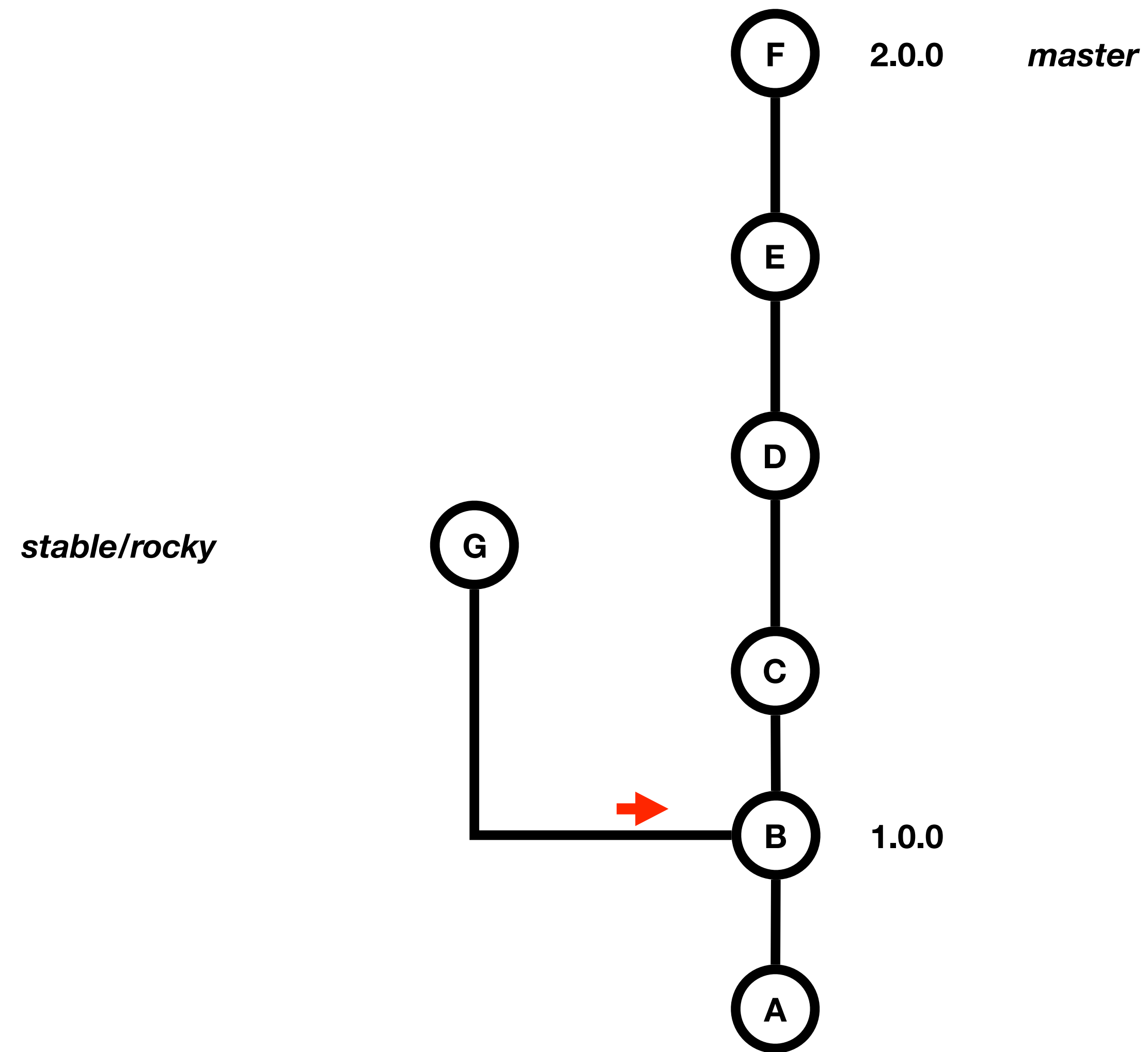
```
=====
Release Notes
=====
```

```
2.0.0
=====
```

```
New Features
-----
```

- This is the third release note, C. It has a tyop.
- This is the fourth release note, D.
- This is the fifth release note, E.
- This is the sixth release note, F.






```
$ reno -q report --branch stable/rocky --no-show-source
```

```
=====
Release Notes
=====
```

```
1.0.0-1
=====
```

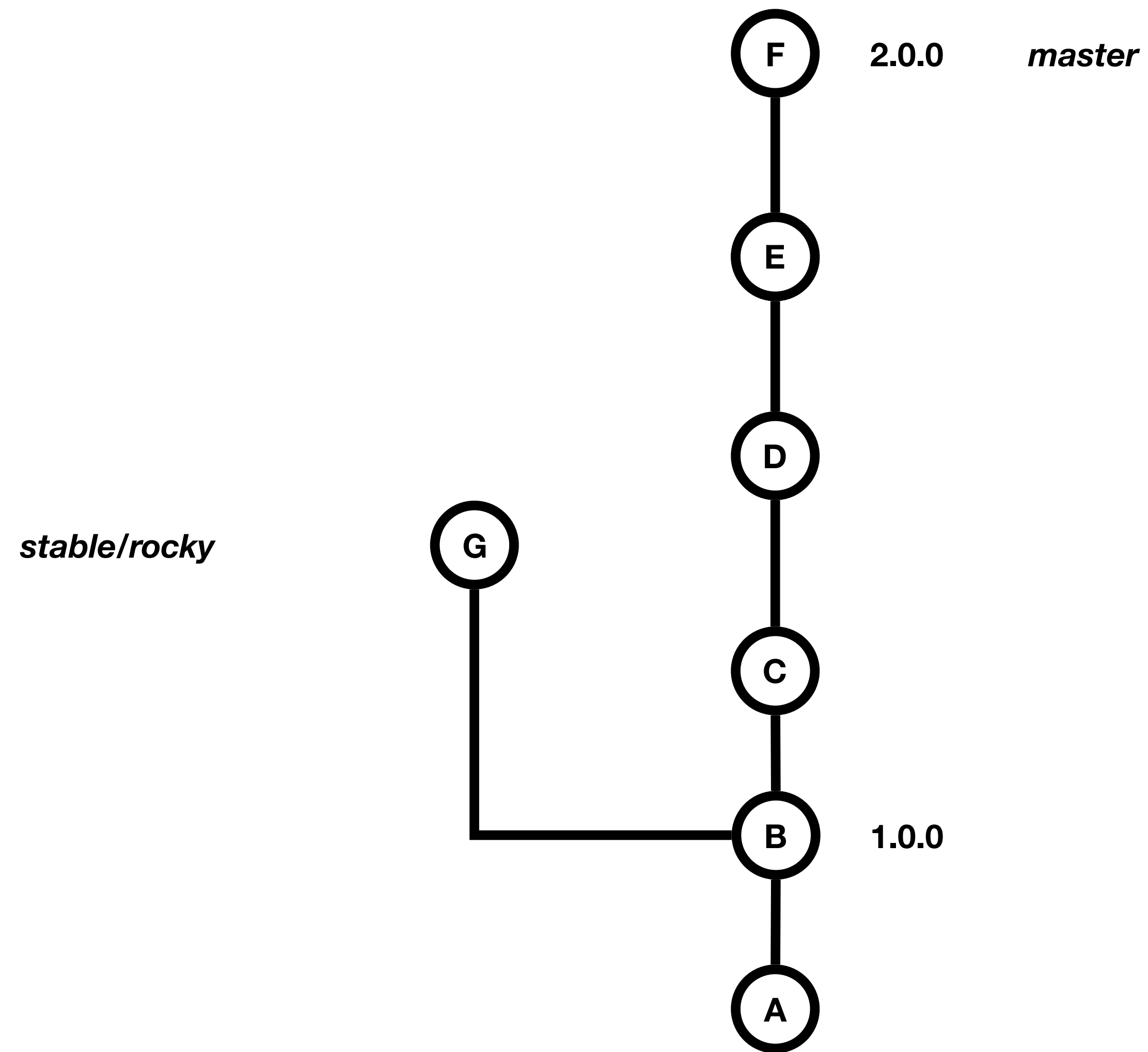
```
New Features
-----
```

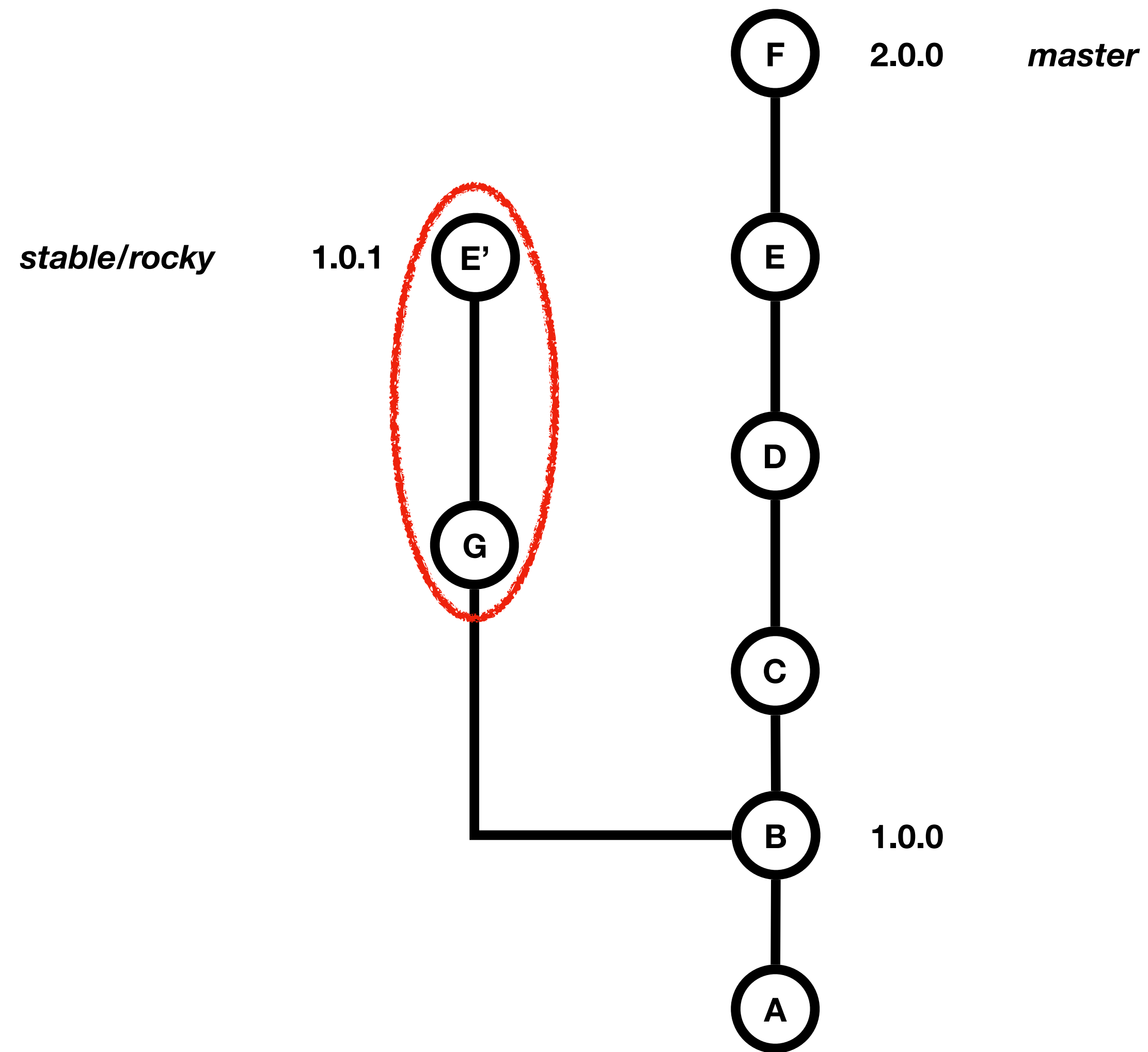
- This release note G only appears on the stable/rocky branch.

```
1.0.0
=====
```

```
New Features
-----
```

- This is the first release note, A.
- This is the second release note, B.





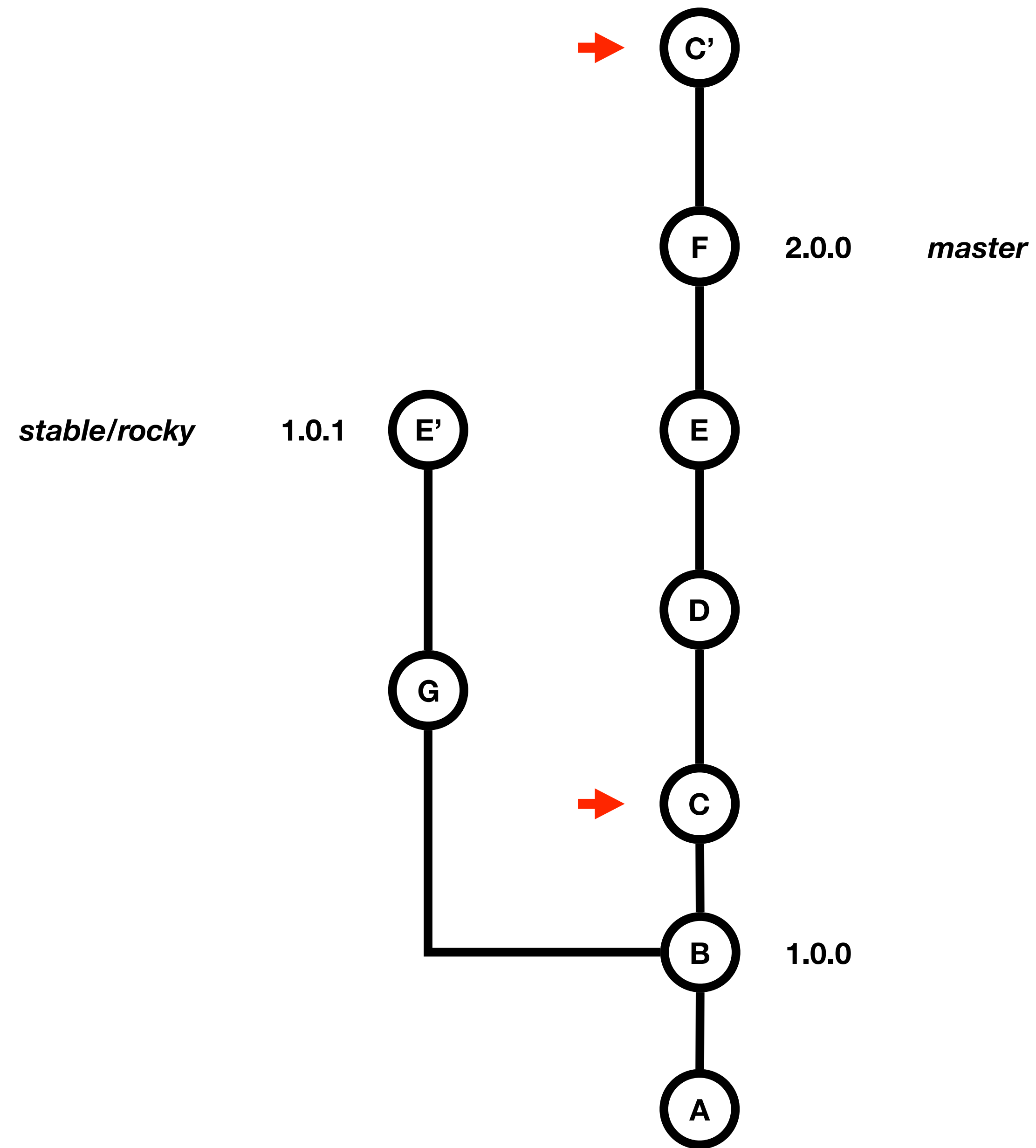
```
$ reno -q report --branch 1.0.1 --no-show-source
```

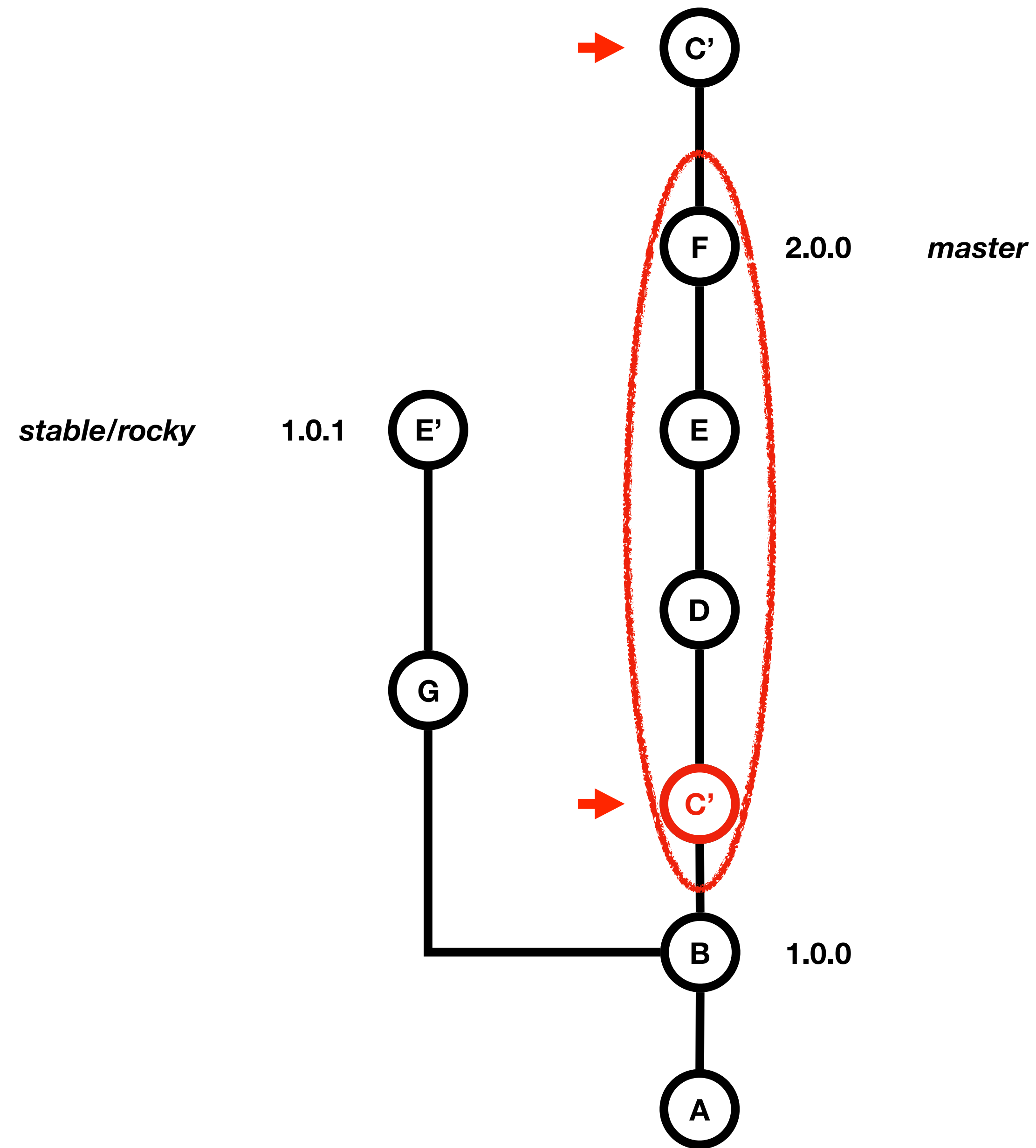
```
=====
Release Notes
=====
```

```
1.0.1
=====
```

```
New Features
-----
```

- This is the fifth release note, E.
- This release note G only appears on the stable/rocky branch.






```
$ reno -q report --version 2.0.0 --no-show-source
```

```
=====
```

```
Release Notes
```

```
=====
```

```
2.0.0
```

```
=====
```

```
New Features
```

```
-----
```

- This is the third release note, C. It no longer has a typo.
- This is the fourth release note, D.
- This is the fifth release note, E.
- This is the sixth release note, F.

```
$ reno -q report --version 2.0.0 --no-show-source
```

```
=====
Release Notes
=====
```

```
2.0.0
=====
```

```
New Features
-----
```

- This is the third release note, C. It no longer has a typo.
- This is the fourth release note, D.
- This is the fifth release note, E.
- This is the sixth release note, F.


```
=====
Current Series Release Notes
=====
```

```
.. release-notes::
```

New Features

- Adds new optional **snmp_community_read** and **snmp_community_write** properties to **snmp** driver configuration (specified via a node's **driver_info** field). If present, the value(s) will be used respectively for SNMP reads and/or writes to the PDU. When not present, **snmp_community** value will be used instead.

Bug Fixes

- Better handles the case when an operator attempts to perform an upgrade from a release older than Pike, directly to a release newer than Pike, skipping one or more releases in between (i.e. a "skip version upgrade"). Instead of crashing, the operator will be informed that upgrading from a version older than the previous release is not supported (skip version upgrades) and that (as of Pike) all database migrations need to be performed using the previous releases for a fast-forward upgrade. [Bug [2002558](#)]

11.0.0

Prelude

I R O N I C turns the dial to *11*

In preparation for the OpenStack Rocky development cycle release, the "ironic" Bare Metal as a Service team announces the release of version 11.0. While it is not quite like a volume knob, this release lays the foundation for features coming in future releases and user experience enhancements.

Some of these include the BIOS configuration framework, power fault recovery, additional error handling, refactoring, removal of

Results

- Introduced in late 2015,
6 development cycles ago
- Over **13,000** release notes for almost **300**
deliverables
- Many teams require release notes with
user-facing changes



Interested?

- **Please try reno and help us improve it!**
- **Defaults to OpenStack naming conventions, but configurable.**
- **We like making our tools more flexible!**
- **See also:
towncrier
and blurb**



RENO

Thank you!

<https://docs.openstack.org/reno/latest/>

<https://github.com/dhellmann/reno-sample-repository>

freenode:
#openstack-releases

@doughellmann



RENO

- hotel signs — Jameson Fink — <https://flic.kr/p/paTfam>
- reno skyline — <http://www.renoairport.com/sites/default/files/pictures/Reno-Skyline-Night.jpg>
- change — Meghan Newell — <https://flic.kr/p/5B2RDQ>
- fireworks — Darron Birgenheier — <https://flic.kr/p/8fYbjX>
- reno sign — Amy Meredith — <https://flic.kr/p/6reDS6>