

SIG Release: Intro

- Aishwarya Sundar (Google) - 1.13 release lead
- Tim Pepper (VMware) - 1.12 release lead



kubernetes

Agenda



- SIG Release
- the release process
- release lifecycle
- the release team
- team roles and responsibilities
- how you can become involved

SIG Release



- Generate Kubernetes releases on a **reliable schedule**
- Ensure there is a **consistent group** of community members in place to **support the release process across time**
- Provide guidance and **tooling** to facilitate the generation of **automated** releases
- **Partner with other SIGs** to empower SIGs to **integrate** their work in the release



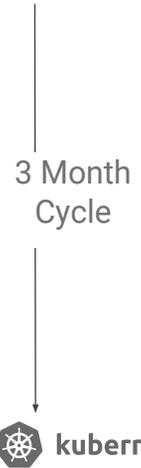
In scope: making quality releases on time

Out of scope: the code that is Kubernetes itself, features, and bug fixing ... this all comes from the other SIGs

Release Process



Feature Discussion (per SIG):	ongoing
Feature Freeze:	week ~4
Release Branch Creation:	week ~7
Code Slush / Freeze:	week ~8
...bugs, testing, bugs, fixing, bugs, ...iterating	
End Code Freeze:	week ~12
Release:	week ~13



Release Process



Feature Discussion (per SIG):

ongoing

Enhancements

Enhancements

Feature Freeze:

week ~4

Feature
Definition

Release Branch Creation:

week ~7

Coding

Code Slush / Freeze:

week ~8

3 Month
Cycle

...bugs, testing, bugs, fixing, bugs, ...iterating

Bug
Fixing

End Code Freeze:

week ~12

Release

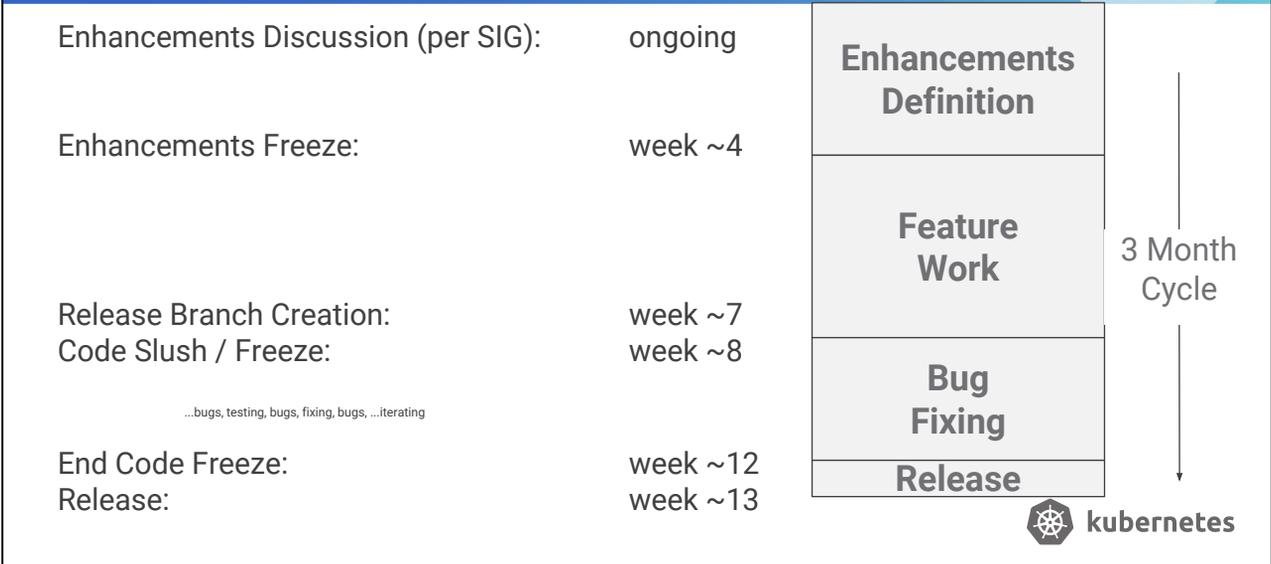
Release:

week ~13



kubernetes

Release Process



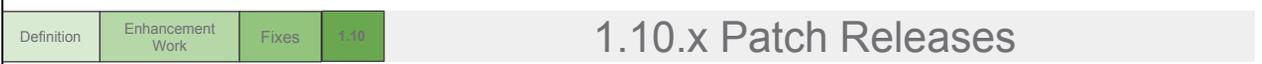
3 month release cycle

4 releases per year

Release Lifecycle



Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3mo's			~9mo's									



K8s Releases



9 months support lifetime per release

3 supported release streams in parallel

Release Lifecycle



Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec

3mo's

~9mo's

Definition

Enhancement
Work

Fixes

1.10

1.10.x Patch Releases

3mo's

~9mo's

Definition

Enhancement
Work

Fixes

1.11

1.11.x Patch Releases

K8s Releases



Release Lifecycle



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Definition

Enhancement Work

Fixes

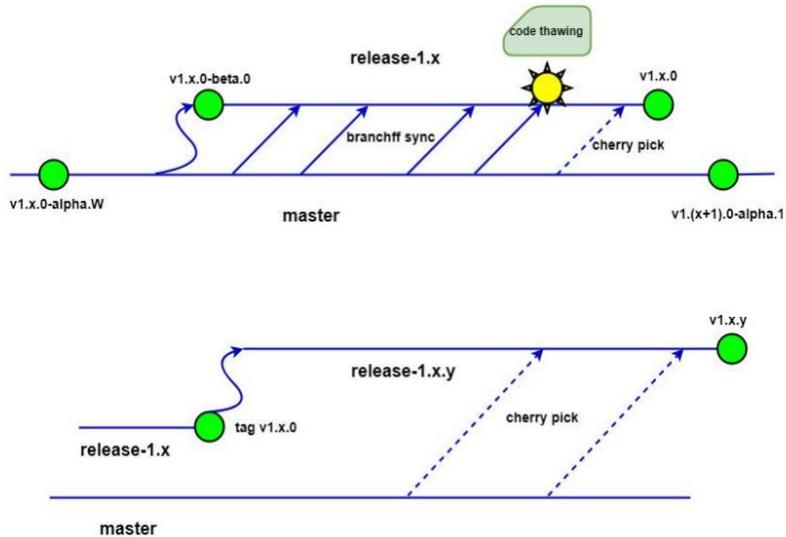
1.12

1.12.x Patch

K8s Releases



Branch Management



From:

https://schd.ws/hosted_files/kccncchina2018english/93/Kubernetes%20Use%20it%20C%20Contribute%20to%20it%20C%20and%20Enjoy%20it%21.pdf

@xiangpengzhao Peter Zhao

Release Lifecycle



- **Support: backporting critical fixes to a release branch**
 - selectively adding bug fixes to prior release branches
 - ...git cherry-pick

- **3 releases** get support:
 - Latest stable is 1.12
 - ...therefore patch support today is for 1.12, 1.11, 1.10

- Yields approximately **9 months** of support



Release Team (1.12 .. Q3 2018)



Role	Name (GitHub / Slack ID)	Shadow Name(s) (GitHub / Slack ID)
Lead	Tim Pepper (@tpepper)	Aishwarya Sundar (@AishSundar)
Features	Stephen Augustus (@justaugustus)	Kendrick Coleman (@kacole2), Robert Sandoval (@robertsandoval), Rajendar Talatam (@rajendar38), Michael Singh (@wadadli)
CI Signal	Mohammed Zeeshan Ahmed (@mohammedzee1000)	Christian Hernandez (@christianh814), Suraj Narwade (@surajnarwade)
Test Infra	Cole Wagner (@cjwagner)	Amit Watve (@amwat), Paul Renato (@prwitt), RaviSantosh Gudimetla (@ravisantoshgudimetla)
Bug Triage	Guinevere Saenger (@guineveresaenger/ @gsaenger on Slack)	Jeremy Rickard (@jeremyrickard), Arnaud Meukam (@ameukam), Anubhuti Manohar (@amanohar), Niko Penteridis (@dogopupper)
Branch Manager	Doug MacEachern (@dougmc)	Etienne Coutaud (@etienneccoutaud), Yang Li (@idealhack), Hannes Hoerl (@hoegaarden), Travis Rhoden (@codenrhoden)
Docs	Zach Arnold (@zarnold)	Samuel Tauil (@samueltauil), Jim Angel (@jimangel), Tim Fogarty (@tfogo)
Release Notes	Nick Chase (@nickchase)	Dave Strebel (@dstrebel), Lindsey Tulloch (@onyiny-ang), Mike Arpaia (@marpaia)
Communications	Kaitlyn Barnard (@kbarnard10)	Keri Dell (@kerilyndell), Kristen Evans (@kristenevans)
Patch Release Manager	Pengfei Ni (@feiskyer)	



Release Team (1.12 .. Q3 2018)



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Patch Release Manager	Pengfei Ni (@feiskyer)	



Release Team (1.13 .. Q4 2018)



Role	Name (GitHub / Slack ID)	Shadow Name(s) (GitHub / Slack ID)
Lead	Aishwarya Sundar (@AishSundar)	Aaron Crickenberger (@spiffxp)
Enhancements	Kendrick Coleman (@kacole2)	Michael Singh (@wadadli), Guinevere Saenger (@guineveresaenger / @gsaenger on Slack), Arnaud Meukam (@ameukam), Claire Laurence (@claurence)
CI Signal	Josh Berkus (@berkus)	Morten Torkildsen (@mortent), Maria Ntalla (@mariantalla)
Test Infra	Cole Wagner (@cjwagner)	Amit Watve (@amwat), Dhawal Yogesh Bhanushali (@imkin), Conrad Taylor (@conradwt), Rahul Mahale (@RahulMahale)
Bug Triage	Niko Penteridis (@nikopen)	Mohammed Zeeshan Ahmed (@mohammedzee1000), Athanasios Kostopoulos (@thanasisk), Shubheksha Jalan (@shubheksha), Tunde (@simplytunde)
Branch Manager	Doug MacEachern (@dougmc)	Yang Li (@idealhack), Hannes Hoerl (@hoegaarden)
Docs	Tim Fogarty (@tfogo)	Jim Angel (@jimangel), Zach Arnold (@zarnold), Naomi Pentrel (@npentrel), Barnabas Makonda (@MAKOSCAFEE)
Release Notes	Mike Arpaia (@marpaia)	Dave Strebel (@dstrebel), Wang Bing (@pigletfly), Babatunde Olu-Isa (@boluisa)
Communications	Kaitlyn Barnard (@kbarnard10)	Kristen Evans (@kristenevans), Jayakrishna Sahit (@sahitpj), Jorge Castro (@castrojo), Srinivasan Rajappa (@srajappa)
Patch Release Managers	Aleksandra Malinowska (@aleksandra-malinowska), Tim Pepper (@tpepper)	
Approval Notifier	k8s-ci-robot (@k8s-ci-robot)	



Release Team (1.13 .. Q4 2018)



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Lead	Aishwarya Sundar (@AishSundar) ←	Aaron Crickenberger (@spiffxp)
Enhancements	Kendrick Coleman (@kacole2) ←	Michael Singh (@wadadli), Guinevere Saenger (@guineveresaenger / @gsaenger on Slack), Arnaud Meukam (@ameukam), Claire Laurence (@claurence)
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Bug Triage	Niko Penteridis (@nikopen)	Mohammed Zeeshan Ahmed (@mohammedzee1000), Athanasios Kostopoulos (@thanasis), Shubheksha Jalan (@shubheksha), Tunde (@simplytunde)
Branch Manager	Doug MacEachern (@doc) ←	Yang Li (@idealhack), Hannes Hoerl (@hoegaarden)
Docs	Tim Fogarty (@tfogo) ←	Jim Angel (@jimangel), Zach Arnold (@zarnold), Naomi Pentrel (@npentrel), Barnabas Makonda (@MAKOSCAFFEE)
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Communications	Kaitlyn Barnard (@kbarnard10)	Kristen Evans (@kristenevans), Jayakrishna Sahit (@sahitpj), Jorge Castro (@castrojo), Srinivasan Rajappa (@srajappa)
Patch Release Managers	Aleksandra Malinowska (@aleksandra-malinowska), Tim Pepper (@tpepper)	
Approval Notifier	k8s-ci-robot (@k8s-ci-robot)	



Release Team (1.14 .. Q1 2019)



Role	Name (GitHub / Slack ID)	Shadow Name(s) (GitHub / Slack ID)
Lead	Aaron Crickenberger (@spiffxp)	
Enhancements	Claire Laurence (@claurance)	
CI Signal	Maria Ntalla (@mariantalla)	
Test Infra	Amit Watve (@amwat)	
Bug Triage	Niko Penteridis (@nikopen)	
Branch Manager	Hannes Hoerl (@hoegaarden)	
Docs	Jim Angel (@jimangel)	
Release Notes	Dave Strebel (@dstrebel)	
Communications	Natasha Woods (@nwoods3)	Kaitlyn Barnard (@kbarnard10)
Patch Release Managers		



Release Team



- Volunteer leads, plus shadows (trainees)
 - Leads teach shadows
 - Shadows eventually step up to lead
- Meets regularly to assess status, weigh risks
- Generate focus where more is needed
- Meetings meetings meetings with the SIGs SIGs SIGs
- Contacting people on Slack
- Following GitHub status across multiple repos
 - and 100s of issues and PRs!



- We have fun 🍷 6 📺 5 🍷 5 🍷 6 🌍 2 🤪 3 🗼 2 🧘 1



Image source: Flickr user Andy Miccone

<https://www.flickr.com/photos/andymiccone/27657176029/> (CC0 1.0)

Release Team Roles & Responsibilities



- Release Team Lead
- Enhancements
- CI Signal
- Test Infra
- Bug Triage
- Branch Manager
- Docs
- Release Notes
- Communication
- Patch Release Manager



Learn More @ bit.ly/kubernetes-release-roles



Image source: Flickr user Rikki's Refuge
https://www.flickr.com/photos/rikkis_refuge/5016931285 (CC BY 2.0)

Release Team Selection Process



kubernetes / sig-release

Unwatch 57

Code Issues 53 Pull requests 4 Projects 3 Wiki Insights

Assemble Kubernetes 1.14 Release Team #372

Open justaugustus opened this issue 20 days ago · 54 comments



justaugustus commented 20 days ago

Member + 👤 ...

This is the official issue for assembling the Kubernetes 1.14 Release Team.
Please review the [Release Team Selection](#) docs for details on the process and criteria.
We are currently in discussions around improving / refining the selection process ([#368](#), [#369](#)), but would like to open this issue to get the ball rolling.
`/sig release`
cc: @AishSundar @spiffxp @calebamiles @tpepper @jdumars

👍 3

k8s-ci-robot added the `sig/release` label 20 days ago



justaugustus commented 20 days ago

Member + 👤 ...

`/assign @justaugustus @AishSundar @spiffxp`



Release Team Selection Process



 jeffy commented 20 days ago Member + 🗨️ ...

I'd like to volunteer for Release Notes shadow! :)

👍 1 ❤️ 1

 idealhack commented 20 days ago Member + 🗨️ ...

I'd like to join the Patch Release Team.

Since I'm the Branch Manager Shadow in 1.12 and 1.13, I can continue to work with branch management if needed.

👍 1 ❤️ 1

 xmudrii commented 20 days ago Member + 🗨️ ...

Hey everyone! 🙌 I'd love to join the 1.14 release team!

So far seeing by roles, if there is free space, I would love to be shadow for Patch Release or Branch Manager.

❤️ 1

 marpaia commented 20 days ago Member + 🗨️ ...

I'd like to nominate @dstrebel to be the 1.14 Release Notes Lead!

👍 1 ❤️ 2



Release Team Selection Process



- Open and lightweight
- Drafting starts ~ Week 10 of previous release
- SIG Release slack channel, Release team meetings, Community meeting etc
- Outgoing section leads nominate successors
- New contributors can self nominate to shadow any role
- Official lead nominations happen in SIG Release meeting
- [Shadow selection process](#) - piloting in 1.14



Release Team Roles & Responsibilities



- Documented!
- <https://git.k8s.io/sig-release/release-team/role-handbooks>
- Read. Ask questions. Attend release team meetings. Learn. Contribute.



Image source: <https://www.flickr.com/photos/tomasfano/5127346358> (CC BY-SA 2.0)

Subprojects & Working Groups



- Coming soon:
 - Release team
 - Release engineering
 - Licensing
 - WG Long Term Support

Get Involved!

More than just writing golang code...

- Release engineering
- Marketing
- Documentation
- Testing
- Project Management
- Communication

