



KubeCon



CloudNativeCon

Europe 2019

SIG Release: Intro

Claire Laurence (Pivotal) - 1.15 release lead
Tim Pepper (VMware) - 1.12 release lead

Agenda



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- SIG Release
- The Release
 - Process
 - Lifecycle
 - Team
- Roles and Responsibilities
- Get Involved!



- 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

Release Process



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Enhancements Discussion (per SIG): ongoing

Enhancements Freeze: week ~4

Release Branch Creation: week ~7

Code Slush / Freeze: week ~8

**Enhancements
Definition**

**Feature
Work**

**Bug
Fixing**

Release

3 Month
Cycle

Release Lifecycle



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K8s Releases

Release Lifecycle



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K8s Releases

Release Lifecycle

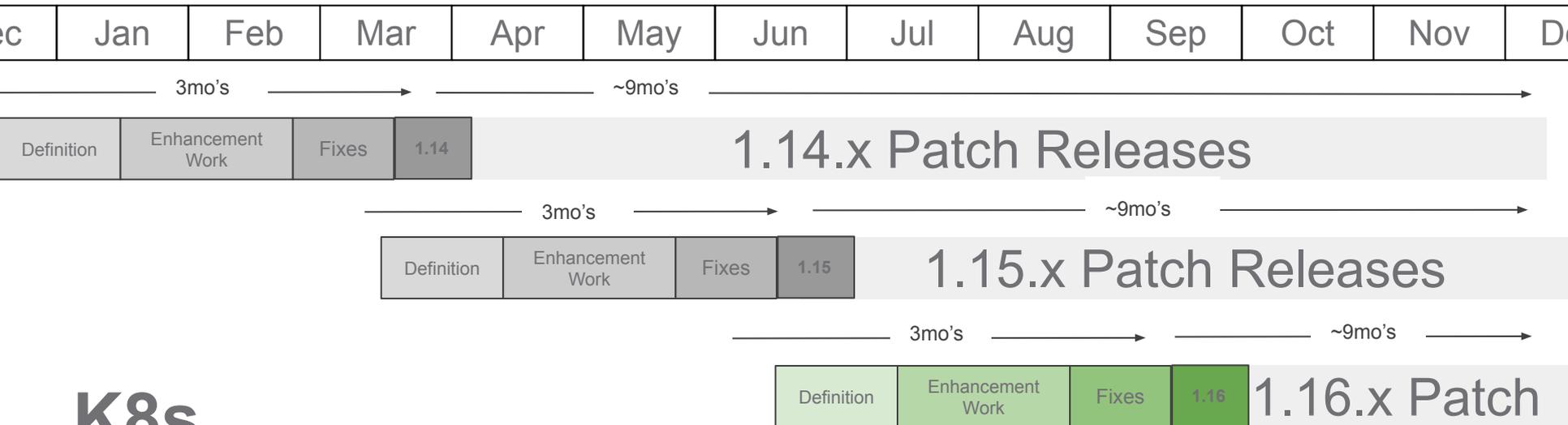


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K8s Releases

Release Lifecycle



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3mo's

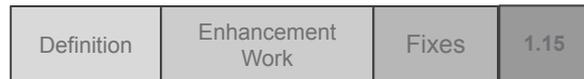
~9mo's



1.14.x Patch Releases

3mo's

~9mo's



1.15.x Patch Releases

3mo's

~9mo's



1.16.x Patch

3mo's



K8s Releases

Branch Management

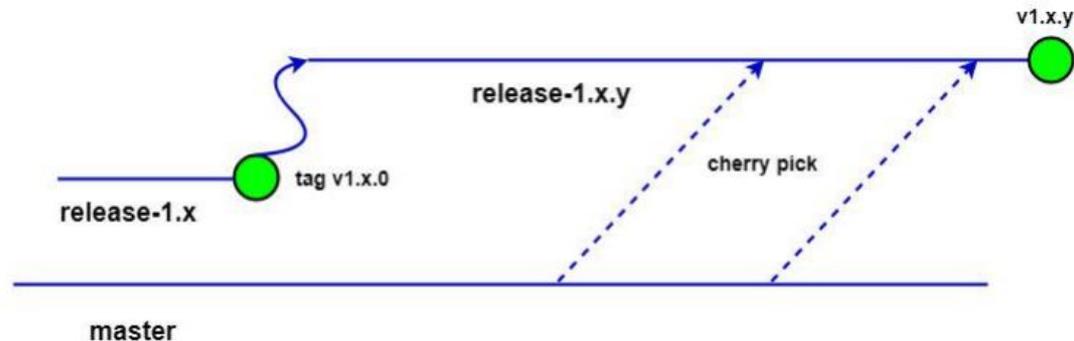
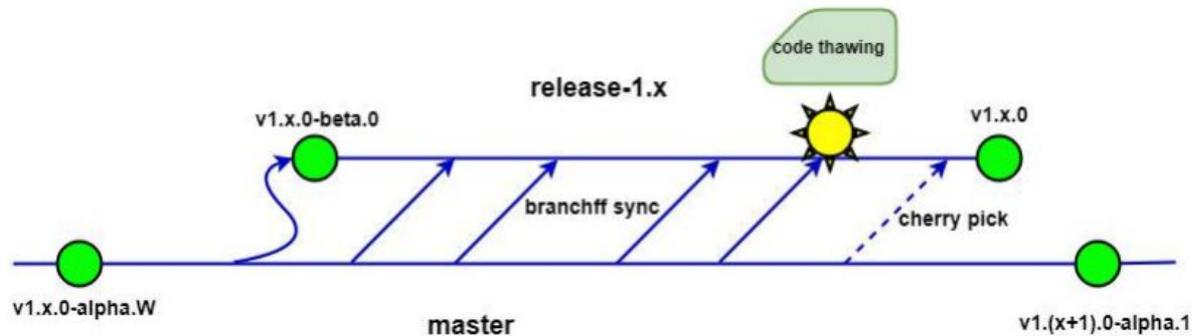


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- **Support: backporting critical fixes to a release branch**
 - selectively adding bug fixes to prior release branches
 - ...git cherry-pick
- **3 releases** get support:
 - Latest stable is 1.14
 - ...therefore patch support today is for 1.14, 1.13, 1.12
- Yields approximately **9 months** of support

Release Team (1.12 .. Q3 2018)



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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 (@dougm)	Etienne Coutaud (@etiennecoutaud), Yang Li (@idealhack), Hannes Hoerl (@hoegaarden), Travis Rhoden (@codenrhoden)
Docs	Zach Arnold (@zparnold)	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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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 (@claurance)
CI Signal	Josh Berkus (@jberkus)	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 (@dougmn)	Yang Li (@idealhack), Hannes Hoerl (@hoegaarden)
Docs	Tim Fogarty (@tfogo)	Jim Angel (@jimangel), Zach Arnold (@zparnold), Naomi Pentrel (@npentrel), Barnabas Makonda (@MAKOSCAFEE)
Release Notes	Mike Arpaia (@marpaia)	Dave Strebels (@dstrebels), 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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Release Team (1.14 .. Q1 2019)



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Lead	Aaron Crickenberger (@spiffxp)	Benjamin Elder (@BenTheElder), Mike Arpaia (@marpaia)
Enhancements	Claire Laurence (@claurence)	Lachlan Evenson (@lachie83), Loic LE DRU (@lledru) Arnaud Meukam (@ameukam)
CI Signal	Maria Ntalla (@mariantalla)	Morten Torkildsen (@mortent), Kendrick Coleman (@kacole2), Silvia Patricia Moura Pina (@smourapina), Jorge Alarcon (@alejandrox1)
Test Infra	Amit Watve (@amwat)	Dhawal Yogesh Bhanushali (@imkin), James Munnely (@munnerz), Tara Gu (@taragu)
Bug Triage	Niko Penteridis (@nikopen)	Nicholas Lane (@soggy), Ibrahim AshShohail (@ibrasho), Tim Carr (@timmycarr), Mayank Kumar (@mayank), Marko Mudrinic (@xmudrii), Gianluca Arbezano (@gianarb)
Branch Manager	Hannes Hoerl (@hoegaarden)	Cheryl Fong (@bubblemelon), Melynda Hunter (@melyndah), Nikhil Manchanda (@SlickNik)
Docs	Jim Angel (@jimangel)	Barnabas Makonda (@MAKOSCAFEE), Cody Clark (@cody-clark), Jared Bhatti (@jaredbhatti), Naomi Pentrel (@npentrel), Tunde Oladipupo (@simplytunde)
Release Notes	Dave Strebel (@dstrebel)	Jeff Sica (@jeefy), Lindsey Tulloch (@onyiny-ang), Alena Varkockova (@alenkacz)
Communications	Natasha Woods (@nwoods3)	Kaitlyn Barnard (@kbarnard10), Jorge Castro (@castrojo), Taylor Dolezal (@onlydole)
Patch Release Managers	Aleksandra Malinowska (@aleksandra-malinowska), Tim Pepper (@tpepper)	

Release Team (1.14 ...Q1 2019)



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Patch Release Managers	Aleksandra Malinowska (@aleksandra-malinowska), Tim Pepper (@tpepper)	

Release Team (1.15... Q2 2019)



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Lead	Claire Laurence (@claurence)	Lachlan Evenson (@lachie83), Niko Penteridis (@nikopen), Tim Pepper (@tpepper)
Enhancements	Kendrick Coleman (@kacole2 / Slack: @kacole2)	Bob Killen (@mrbobbytables / Slack: @mrbobbytables), Craig Peters (@craiglpeters / Slack: @craiglpeters)
CI Signal	Jorge Alarcon (@alejandrox1 / Slack: @alejandrox1)	Jim Angel (@jimangel / Slack: @jimangel), Silvia Moura Pina (@smourapina / Slack: @smourapina), Ronak Kogta (@rarchk / Slack: @rarchk), Alena Varkockova (@alenkacz / Slack: @alenkacz)
Test Infra	Dhawal Yogesh Bhanushali (@imkin / Slack: @dbhanushali)	Katharine Berry (@Katharine / Slack: @Katharine), Tara Gu (@taragu / Slack: @taragu), Maria Ntalla (@mariantalla / Slack: @maria)
Bug Triage	Nicholas Lane (@soggiest / Slack: @soggy)	Timmy Carr (@timmycarr / Slack: @timmycarr), Dave Strebel (@dstrebel / Slack: @strebel), Marko Mudrinic (@xmudrii / Slack: @xmudrii), Abubakr-Sadik Nii Nai Davis (@ttousai / Slack: @ttousai)
Branch Manager	Cheryl Fong (@bubblemelon / Slack: @cherylfong)	Nikhil Manchanda (@slicknik / Slack: @slicknik), Vivek Taparia (@vivektaparia / Slack: @vivektaparia), Christian Jantz (@chrisz100 / Slack: @chrisz), Yang Li (@idealhack / Slack: @idealhack)
Docs	Barnabas Makonda (@MAKOSCAFFEE / Slack: @barnie)	Tunde Oladipupo (@simplytunde / Slack: @simplytunde), Damini Satya Kammakomati (@daminisatya / Slack: @damini satya), Christian Hernandez (@christianh814 / Slack: @christianh814)
Release Notes	Lindsey Tulloch (@onyinyang / Slack: @onyinyang)	Jeff Sica (@jeefy / Slack: @jeefy), Nick Chase (@NickChase / Slack: @nickchase), Sascha Grunert (@saschagrunert / Slack: @sgrunert), Alok Patra (@alokpatra / @Alok Patra)
Communications	Jorge Castro (@castrojo)	Taylor Dolezal (@onlydole), David McKay (@rawkode)

Emeritus Adviser: Josh Berkus (@jberkus)

Release Team



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- 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

Release Team Roles & Responsibilities



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- 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

Release Team Selection Process



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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



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jeefy 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



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- 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](#)

Release Team Roles & Responsibilities



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

KEP: Kubernetes Enhancement Proposal



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sig-release - Sep 6th, 2018



justaugustus 7:51 PM

The KEP should be the first work done. Features would follow as units of work within the context of the KEP



claurence 5:53 PM

Hey folks - I've gone through and pinged all issues open in kubernetes/enhancements to check on plans for 1.14 except for issues that were stale ... - if you notice an issue targeted for 1.14 is missing please let me know. Additionally a reminder that all issues need KEPs associated with them 😊 ... Show more

sig-release - Sep 5th, 2018



calebamiles 5:10 PM

sounds like I need to write a KEP 🙄

✓ 1 reaction



liggitt 3:56 PM

For all those neck-deep in KEPs:

https://www.youtube.com/watch?v=vh3tuL_DVsE

YouTube | NirvanaZe

Martiens Yep Yep Yep ▾



👍 19

By Monday, February 4, 2019, the KEPs associated with all enhancements landing in v1.14.0 must be merged with an

- Required in K8s 1.14 + 1.15
- Used to better understand what enhancements are landing in a given release

Subprojects & Working Groups



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- Release team
- Release engineering
- Licensing
- WG Long Term Support (LTS)

Get Involved!



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More than just writing golang code...

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