

SIG Release: Intro

Tim Pepper (VMware) - SIG chair; 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



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

**Feature
Definition**

**Feature
Work**

**Bug
Fixing**

Release

3 Month
Cycle



kubernetes

Release Process



Feature Discussion (per SIG):

Enhancements

Feature Freeze:

ongoing

week ~4

Enhancements

Feature
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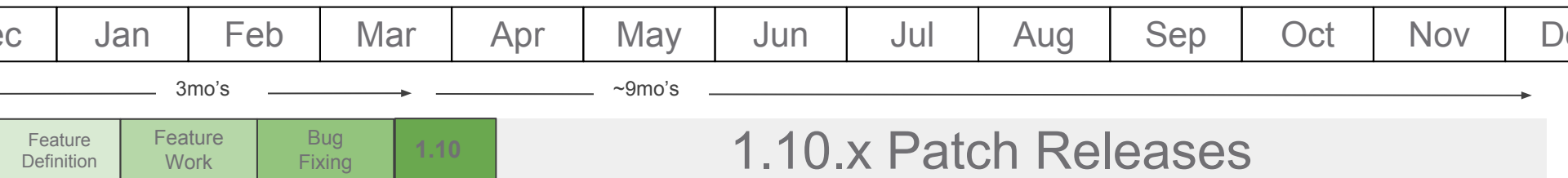
week ~13

Release



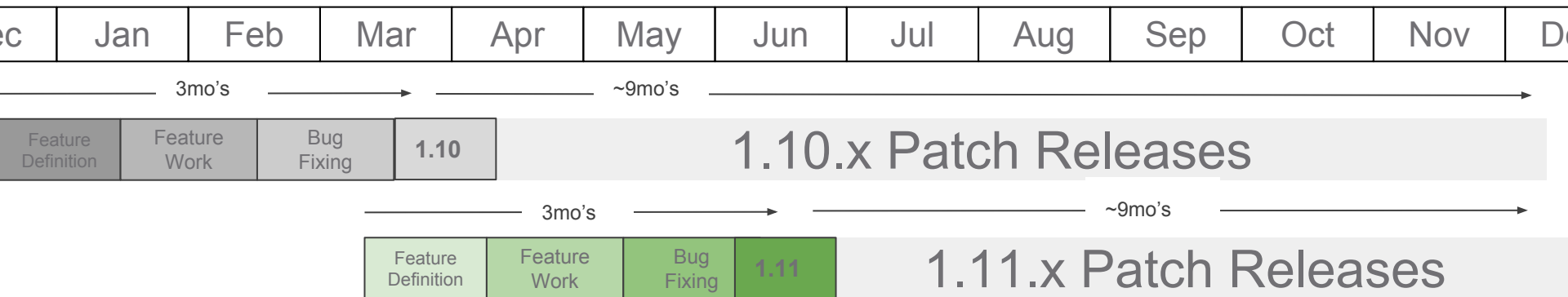
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Release Lifecycle



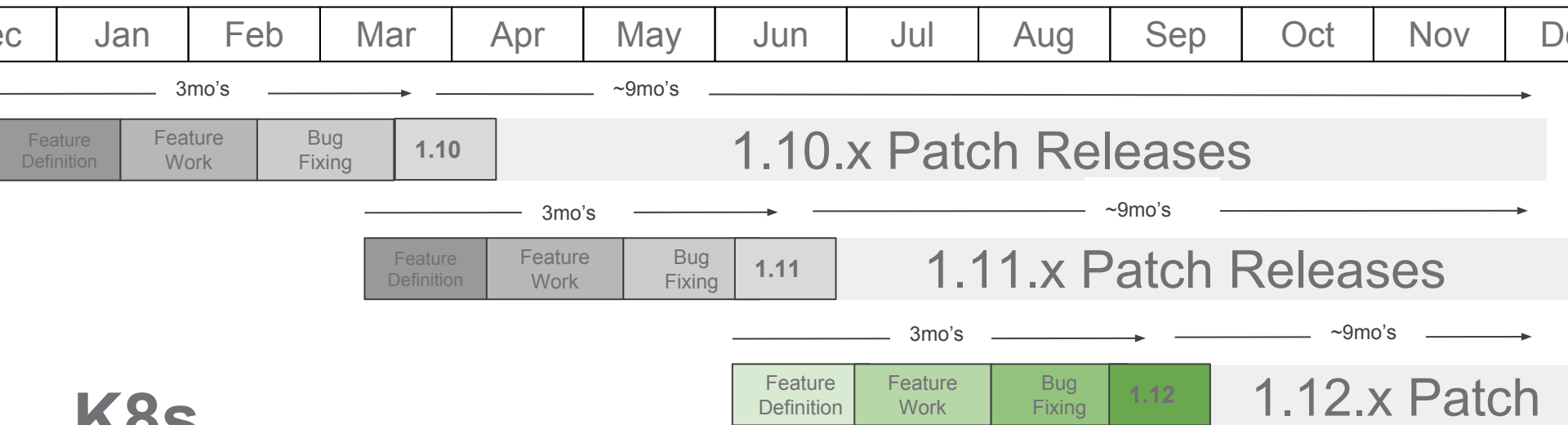
K8S Releases

Release Lifecycle



K8S Releases

Release Lifecycle

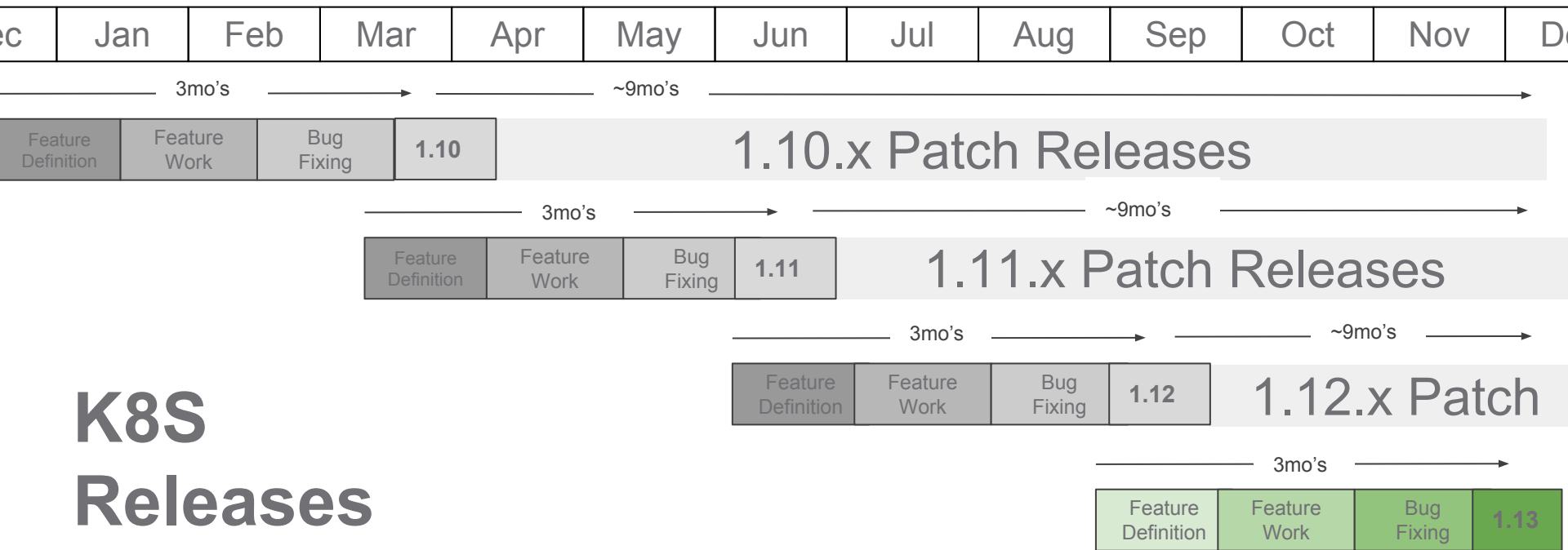


K8s
Releases



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Release Lifecycle



K8S Releases



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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 (@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 (@onyinyang), Mike Arpaia (@marpaia)
Communications	Kaitlyn Barnard (@kbarnard10)	Keri Dell (@kerilyndell), Kristen Evans (@kristenevans)
Patch Release Manager	Pengfei Ni (@feiskyer)	



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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 (@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 (@MAKOSCAFE)
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)	

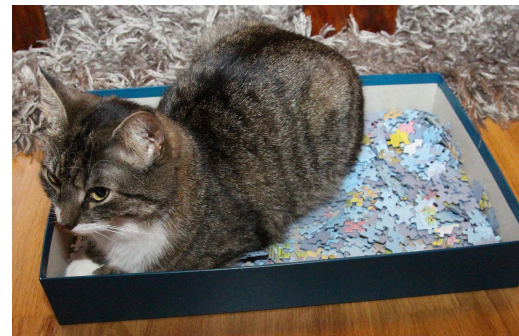


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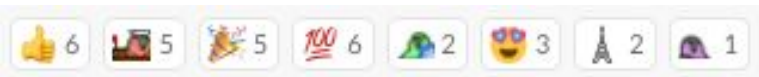
Release Team



- 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



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Release Team Roles & Responsibilities



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



Release Team Roles & Responsibilities



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



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Subprojects & Working Groups



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

Get Involved!

More than just writing go lang code...

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

机会之窗

