WG/Triage: Meeting Notes/Agenda

PLEASE JOIN THE OLM DEV GOOGLE GROUP FOR EDIT PERMISSIONS

Why: To discuss OLM Development work and triage issues and bugs.

When: Weekly on Tuesday at 11am Eastern Time

Working Group Info:
https://github.com/operator-framework/community/tree/master#operator-lifecycle-manager-working-group

Google Group: https://groups.google.com/g/operator-framework-olm-dev

OLM Development Community Meeting Calendar:
https://calendar.google.com/calendar/u/0?cid=YzA0OGUxY2YzM2ZjOGZiYTFjNjVlZjMxZGJiNGVhNDdkZTYxZTlhYzNlODcwZmY5OGM2Mjk5NDVjZTVlZGMyYkBncm91cC5jYWxlbmRhci5nb29nbGUuY29t

Meeting Link: https://zoom.us/j/5511723751?pwd=QVFqVVNMYkk1cUlRcXFvQllycUZudz09
Passcode: 77777 (SEE MEETING INVITE)

Design Discussions: google drive

Recordings: https://www.youtube.com/channel/UCxRfXpCVxnotoSGxEpB1hwA

Rules
1. Be respectful and kind.
2. Follow the CNCF Code of Conduct.
3. Do not discuss downstream specific OpenShift issues – this working group is only for the operator-framework CNCF project and its public community.
4. Be mindful – this meeting is recorded and uploaded to YouTube.

Meeting dates and agenda

Template

[Month] [Day], [Year]

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd

- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
-

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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Oct 8, 2024 📅 OLM Community Meeting & Issue Triage

Host: [Lala]

Briefs and RFCs Under Review:
- RFC: 📄 RFC: Optional Field To Mark A ClusterCatalog IS Enabled/Disabled
  - Lazy consensus date: 2024/10/10
- RFC: 📄 RFC: CatalogD expandable interface
  - Lazy consensus date: 2024/10/11

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- 1.0.0 sync: https://github.com/orgs/operator-framework/projects/8/views/42
- proposed 1.0 blocker: catalogd expandable interface
- Should we go for a 1.0.0 alpha release ?
  - [Bryce] Should users upgrade from alpha release to actual release.
  - [Todd] Usually things can break in alpha release , upgrades can break from alpha to stable release.
  - [Adam] we should continue to do releases till we do a stable release
  - General agreement: we continue the current release process till we have stable APIs and we can cut a release-candidate.
  - For branching or tagging process change after 1.0 release we need to discuss and come up with a plan. The agreement is to see what other projects are doing and use it if possible.

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
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Oct 1, 2024 | 📅 OLM Community Meeting & Issue Triage

Host: Lalatendu Mohanty

[10] [01], [2024]

Host: [name of host]
Briefs and RFCs Under Review:
- 📄 RFC: Move OLM v1 components into monorepo
  - Lazy consensus date: 2024/10/02
- Brief: 📄 Brief: Private Registry Support
  - Lazy consensus date: 2024/10/01
- RFC: 📄 RFC: OLMv1 Private Registry Support
  - Lazy consensus date: 2024/10/01
  - Prototype: https://github.com/operator-framework/operator-controller/pull/1322

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- 1.0.0 sync: https://github.com/orgs/operator-framework/projects/8/views/42
- [Anik] Private registry support RFC: can we do tomorrow (2024/10/02) as the consensus date?
  - Tomorrow i.e. Wednesday 2nd October 2024

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐

Sep 24, 2024

Host: [Joe Lanford]
Briefs and RFCs Under Review:
- Brief: 📄 Brief: Private Registry Support
  - Lazy consensus date: yyyy/mm/dd
- RFC: 📄 RFC: OLMv1 Private Registry Support
  - Lazy consensus date: yyyy/mm/dd
  - Prototype: https://github.com/operator-framework/operator-controller/pull/1303

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- Daily sync: https://github.com/orgs/operator-framework/projects/8/views/42

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

Sep 17, 2024

Host: [Ankita]

Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Lala] Daily sync: https://github.com/orgs/operator-framework/projects/8/views/42 (for 20 mins)
- Review 1.0 epics and see if we need to create more cards and make it part of https://github.com/orgs/operator-framework/projects/8/views/42
- [Rashmi] https://github.com/operator-framework/operator-controller/pull/1238
-

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☑ ~~Joe Lanford to update https://github.com/operator-framework/operator-controller/issues/1156 with more pointers around how to test it.~~

Sep 10, 2024

Host: [Lala]

Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: 📄 RFC: Support for Configurable Image Registry Interactions
  - Lazy consensus date: 2024/09/13

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Bryce] SIG Meeting immediately after this one! Recurring on a weekly basis:

- ○ SIG - OLM Supporting Tools
  - ■ Tuesday, September 10 · 12:00 – 1:00pm
  - ■ Time zone: America/New_York
  - ■ Google Meet joining info
  - ■ Video call link: https://meet.google.com/ajg-gvnt-ztw
  - ■ Or dial: (US) +1 402-922-6520 PIN: 950 394 306#
  - ■ More phone numbers: https://tel.meet/ajg-gvnt-ztw?pin=1316681347753
  - ■ Or join via SIP: sip:1316681347753@gmeet.redhat.com
  - ○ Agenda Doc: 📄 Notes - SIG - OLM Supporting Tools
- ● [Bryce] https://github.com/operator-framework/operator-controller/issues/1239
- ● [Lala] Publishing V1 docs
  - ○ Hugo - static site generator for v0
  - ○ mkdocs - static site generator for v1
  - ○ Netlify - hosting
  - ○ Netlify has a free tier for open source projects. Need to check if they still provide this free tier. Now there are other options available for us (github actions, mkdocs etc)
  - ○ Build and deployment can be changed with relatively less effort as compared to overall documentation.
  - ○ We might need to update Netlify admins?
  - ○ The effort around publishing the docs from existing markdown files should be a separate epic + How do we position V1 published docs along with V0 and SDK is another epic.
  - ○ Current docs for V1 uses mkdocs https://operator-framework.github.io/operator-controller/ . Was suggested by Andy.
  - ○ **Goal for 1.0.0:**
    - ■ Arrange the markdown files as per the structure suggested by the docs epic.

Roadmap Check-In:
- ● https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☑ ~~Joe Lanford~~ ~~To update https://github.com/operator-framework/operator-controller/issues/1156 to add the monorepo discussion or create a new epic.~~

Sep 3, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- ● Brief: [Name]
  - ○ Lazy consensus date: yyyy/mm/dd
- ● RFC: [Name]
  - ○ Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- ● [Lala] 1.0.0 Daily sync : https://github.com/orgs/operator-framework/projects/8/views/42
- ● [Per] Lets refine/groom the cards in 1.0.0 docs epic

- [Bryce] OLMv1 supporting tooling SIG meetings start next week, immediately after this meeting. I will try to have all the information set up before the end of this week.
- [Mikalai] Missing recordings need to be uploaded to [Operator Framework YouTube channel](#)

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
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Aug 27, 2024

Host: Lalatendu Mohanty

Briefs and RFCs Under Review:
- Brief: [Name]
    - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Lala] Can we set a target date for 1.0.0?
    - What epics/work should get finished before we can do a 1.0.0 release?
    - What are concerns folks have for a 1.0.0 release?
    - [Bryce] v1.0.0 milestones:
        - https://github.com/operator-framework/operator-controller/milestone/12
        - https://github.com/operator-framework/catalogd/milestone/11

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☑ ~~Lalatendu Mohanty~~ ~~to set up daily standup for olm-dev. Timing: Monday , Wednesday 10:30 EST .Tuesday we will do it as part of the working group meeting . Thursday: 12:00 PM (for 20 mins)~~
- ☑ ~~Bryce Palmer~~ ~~will set up a dashboard for the 1.0.0 milestone~~
- ☑ ~~Joe Lanford~~ ~~Update the github action to include issues with 1.0.0 label to the GA project~~
    - ☑ ~~https://github.com/operator-framework/operator-controller/pull/1179~~
    - ☑ ~~https://github.com/operator-framework/catalogd/pull/354~~

Aug 20, 2024

Host: Bryce Palmer

Briefs and RFCs Under Review:
- Brief: [Name]

- Lazy consensus date: yyyy/mm/dd
  - RFC: 📄 RFC: ClusterCatalog Status Conditions
      - Lazy consensus date: Aug 23, 2024

Old Action Items Checkpoint:

☐ [item]

Discussion Topics:

- [Joe] Can remaining performance and scale work move to 1.x scope?
  https://github.com/operator-framework/operator-controller/issues/920#issuecomment-2289395477
    - Performance regression testing is not in scope for v1.0.0. Let's move this epic to the scope of 1.x. Any "must have" performance improvements for v1.0.0 are created as separate issues and tracked under the v1.0.0 Release Blockers epic.
- [Adam] Should/Can we drop `hybrid` support from `helm-operator-plugin`?
    - https://github.com/operator-framework/helm-operator-plugins
    - Not many operators seem to be using the hybrid support. Removal means we can get rid of the Kubebuilder dependencies. Reduces release steps to "push a tag". If pushback from other users in the community, propose decoupling scaffolding and the library code OR ask if they are willing to maintain it. Should announce to the community once PR is up.
- [Bryce] Meaty PR that needs review:
  https://github.com/operator-framework/operator-controller/pull/1119
    - Resolves some bugs around incorrect permissions halting reconciliation and labels not being set on objects in the Helm release
    - Optimizes how we create informers
    - Errors in establishing an informer (watch) are now communicated in a new status condition
- [Bryce] ClusterExtension v1 API review epic work items and project view created:
    - Project View:
    - Associated Issues:
      https://github.com/operator-framework/operator-controller/issues?q=is:open+is:issue+label:epic/v1-api
    - Epic Issue: https://github.com/operator-framework/operator-controller/issues/740
- [Bryce] Can we spend time going through the items in the v1.0 Epics project view and determine what is still in scope / out of scope, move things out of scope to v1.x (by switching the label), and estimate the v1.0.0 release timeline based on the known remaining work?
    - Once we identify this, we can create a new GitHub Milestone for v1.0.0 to track *all* issues needed for the v1.0.0 release to be cut and use that for a more granular view of what work is left to be done.
- [Lala] Can we set a target date for 1.0.0?
    - What epics/work should get finished before we can do a 1.0.0 release?
    - What are concerns folks have for a 1.0.0 release?
- [Bryce] If we have time, let's talk SIG!
    - Good meeting time?
    - Should we have a formal chair/co-chair or keep it more informal?
        - If formal, do we need to have an election process?
    - Should we have a separate slack channel or use the existing olm-dev channel?
- [Adam] Where should API's live?
    - [Adam] Prefers APIs live in the existing separate o-f/api repo
    - Goals:

- - Minimize side effects of dependency imports when importing APIs. Way to import APIs with *no* business logic.
    - Should this be included in v1 API review epics? This *should* be handled as part of the v1.0.0 scope
  - Explicit compatibility checks that run in CI

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☑ ~~[Bryce] Ensure API docs issues mention waiting until API review epics done.~~
- ☑ ~~[Bryce] Populate v1.0.0 milestone with all issues~~
  - ☐ https://github.com/operator-framework/operator-controller/milestone/12
  - ☐ https://github.com/operator-framework/catalogd/milestone/11
- ☑ ~~[Bryce] Create a v1alpha1 → v1 API promotion for ClusterExtension issue~~
- ☑ ~~[Joe] Create an epic for "where APIs should live" in the v1.0.0 scope~~

Aug 13, 2024

Host: [Lalatendu Mohanty]
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: 🔲 RFC: Operator-Controller v1 API Review
  - Lazy consensus date: Aug 16, 2024
  - I can extend this if folks need more time. Let me know!
- RFC: 🔲 RFC: ClusterCatalog Status Conditions
  - Lazy consensus date: Aug 23, 2024
- RFC: 🔲 RFC: Minimal Catalog Selection - Labels - Improved! [tmshort]
  - Lazy consensus date Aug 16, 2024
- RFC: 🔲 RFC: Minimal Catalog Selection - Priority - New! [tmshort]
  - Lazy consensus date Aug 16, 2024

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Bryce] Disconnected support - is a direct client the best approach? Should we reconsider how we interact with image registries to have a better disconnected story?
  - [Joe] Do we need a brief around how we interact with registries?
  - Lala to get answers for the open questions and will collaborate with Sid and Bryce.
  - It is not blocker for 1.0.0 release
  - But we need to make sure to have a design before the 1.0.0 release which can be considered as a blocker.

- [Bryce] Proposing introduction of Special Interest Groups (SIGs) to drive the development of developer and client tooling. My current thinking is one SIG for dev tooling and one SIG for client tooling. It would be totally up to the individual SIGs around how they organize and making decisions for the tools to build, but for some inspiration here are some tools I have thought about:
  - Dev Tooling
    - Tool to go from Kubernetes resources defined in YAML → an OLM supported set of manifests. You could imagine something like `kustomize build config/… | $tool –format registry+v1` would result in the manifests to build a registry+v1 bundle from the set of raw YAML passed in.
    - Tool for packaging/distribution of bundles/catalogs. Joe has a neat tool called KPM that is along these lines: https://github.com/joelanford/kpm
    - Tool for validation of changes, useful in CI. Thinking something like having the same CRD validations we have in OLMv1 would be useful to have early feedback in the dev cycle.
    - This group could also be responsible for the Operator-SDK and what it's future looks like.
  - Client Tooling
    - Official CLI / Kubectl plugin (or both?)
    - Official UI. Currently the only UI that exists for OLM (albeit OLMv0), is the OpenShift Console. Maybe it is desirable for users to have an official UI that can be paired with OLMv1?

- [Lala] Now that we are close to 1.0.0 completion. Can we groom the next goal i.e. 1.1.0?
  - [Joe] Post 1.0.0 we should look into our graduation criteria i.e. dev preview to stable (GA) for features?

- [Edmund] Meeting on the implementation of operator-controller benchmarks to occur today at 12 PM Central time

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26
- https://github.com/operator-framework/operator-controller/issues/968

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Joe Lanford - Create 1.x epic for making unstable vs. stable releases that contain different sets of feature gates enabled.
- ☐ Lalatendu Mohanty will create a card for disconnected use case and mark the design of it as a blocker for 1.0.0

Aug 6, 2024

Host: [Lala]
Briefs and RFCs Under Review:
- Brief: 🗎 Brief: Private Registry Support
  - Lazy consensus date: 2024/08/06
- Brief: 🗎 Brief: Operator-Controller v1 API Review

- - Lazy consensus date: Aug 9, 2024
- RFC: 📄 RFC: OLMv1 Private Registry Support
  - Lazy consensus date: 2024/08/06
- RFC: 📄 RFC: Minimal Catalog Selection - Name [tmshort]
  - Lazy consensus date: 2024/08/09
- RFC: 📄 RFC: Minimal Catalog Selection - Labels [tmshort]
  - Lazy consensus date: 2024/08/09
  - Brainstorming For Minimal Catalog Selection Use Cases
  - Friday, August 9 · 12:00 – 1:00pm
  - Time zone: America/New_York
  - Google Meet joining info
  - Video call link: https://meet.google.com/eww-nfua-qei
  - Or dial: (US) +1 413-398-0147 PIN: 365 988 752#
  - More phone numbers: https://tel.meet/eww-nfua-qei?pin=3327846803035
  - Or join via SIP: sip:3327846803035@gmeet.redhat.com

Old Action Items Checkpoint:

- ☐ [item]

Discussion Topics:

- [Adam] where are contributions most needed? Is there a clean(prioritized) backlog to look at?

Roadmap Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☑ ~~Bryce Palmer Update the No two ClusterExtensions manage the same underlying objects epics~~
- ☑ ~~Bryce Palmer Update Needs Docs issues to point to where docs should be added~~

Jul 30, 2024

Host: Todd Short/Bryce Palmer
Briefs and RFCs Under Review:

- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: 📄 RFC: Minimal Catalog Selection [tmshort]
  - Lazy consensus date: 2024/08/05

Old Action Items Checkpoint:

- ☐ [item]

Discussion Topics:

- Meeting for Minimal Catalog Selection on Wednesday
  - Review RFC: Minimal Catalog Selection
  - Wednesday, July 31 · 10:00 – 11:00am
  - Time zone: America/New_York
  - Google Meet joining info
  - Video call link: https://meet.google.com/jxg-jqbs-ppt
  - Or dial: (US) +1 401-684-3251 PIN: 373 604 911#

- - More phone numbers: https://tel.meet/jxg-jqbs-ppt?pin=3636706097736
    - Or join via SIP: sip:3636706097736@gmeet.redhat.com
  - Private Registry Support Brief meeting scheduled:
    - Brief: OLMv1 Private Registry Support
    - Tuesday, July 30 · 2:00 – 3:00pm
    - Time zone: America/New_York
    - Google Meet joining info
    - Video call link: https://meet.google.com/rwn-svbg-mbz
    - Or dial: (US) +1 843-638-1205 PIN: 996 977 333#
    - More phone numbers: https://tel.meet/rwn-svbg-mbz?pin=5298105311157
    - Or join via SIP: sip:5298105311157@gmeet.redhat.com

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
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July 23, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: 📄 Brief: OLMv1: Minimal Catalog Selection [tmshort]
  - Lazy consensus date: 2024/07/19 - postponed
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: 📄 RFC: OLMv1 Private Registry Support
  - Lazy consensus date: 2024/08/06

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
-

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

Jul 16, 2024

Host: [Lalatendu Mohanty]
Briefs and RFCs Under Review:

- Brief: 📄 Brief: OLMv1: Minimal Catalog Selection [tmshort]
  - Lazy consensus date: 2024/07/19
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:

☐ [item]

Discussion Topics:

-
- [Edmund] Benchmarking of resource utilization in OLMv1

Roadmap Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:

☐ (host) Create next meeting agenda

☐ (host) Open the floor for hosting volunteers for the next meeting

☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

Jul 9, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:

☐ [item]

Discussion Topics:
- [Bryce] Proposed v1.0 epic: https://github.com/operator-framework/operator-controller/issues/1015
- [Joe] New epic for catalog selection:
  https://github.com/operator-framework/operator-controller/issues/1023

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:

☐ (host) Create next meeting agenda

☐ (host) Open the floor for hosting volunteers for the next meeting

☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

Jun 25, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Briefs:
  - 📄 ClusterExtension Uses Provided ServiceAccount to Manage Content
    - Lazy consensus date: Jun 28, 2024
- RFCs:

- - 📄 RFC: ClusterExtension Uses Provided ServiceAccount for Managing Content
    - - Lazy consensus date: Jun 28, 2024
  - 📄 RFC: Operator-Controller Configuration
    - - Lazy consensus data: Jul 12, 2024
  - 📄 RFC: Future of Rukpak
    - - Lazy consensus date: Jul 16, 2024

Old Action Items Checkpoint:

- ☐ [item]

Discussion Topics:

- [Joe] Proposed Blockers Issue: https://github.com/operator-framework/operator-controller/issues/950
- [Bryce] If no other items, would like to get some input on the open questions in
  📄 RFC: ClusterExtension Uses Provided ServiceAccount for Managing Content
- [Lala] How do the presubmit tests look for V1?

Roadmap Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☑ ~~Bryce Palmer~~ ~~Create a new v1.x epic for the permission validation preflight check~~
  https://github.com/operator-framework/operator-controller/issues/988

Jun 18, 2024

Host: [name of host]

Briefs and RFCs Under Review:

- Brief: 📄 ClusterExtension Uses Provided ServiceAccount to Manage Content
  - Lazy consensus date: Jun 28, 2024
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:

- ☐ [item]

Discussion Topics:

- [adam] Question about SA stuff
  - How will users discover what RBAC a SA will need? Tooling or visualization?
  - [bryce] yes, but out-of-scope for this work
  - [joe] https://github.com/operator-framework/operator-controller/issues/919
  - [kevin] at a minimum, if ClusterExtension tries to $doThing, then we can report missing permissions in status
    - [bryce] this is in-scope
  - [joe] worked on a prototype client tool
    - https://github.com/joelanford/kubectl-make_rbac
  - [bryce] contributed to kapp the permissions package for doing this: https://github.com/carvel-dev/kapp/tree/develop/pkg/kapp/permissions
  - [lala] how do users know which RBAC, create the RBAC?

- - - ■ [joe] probably need to have client workflows that simplify this.
    - [joe] v1.0.0 Release Blockers Triage - https://github.com/operator-framework/operator-controller/issues/950
    -

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☑ ~~Bryce Palmer~~ ~~Create a new v1.x epic for the permission validation preflight check~~

Jun 11, 2024

Host: [name of host]

Briefs and RFCs Under Review:
- Brief: 📄 Content Author UX Strategy (still draft, looking for more input)
- RFC: [Brett] Condition Types and Reasons in Operator Controller
    - Draft, looking for input about changes and possible reductions
    - Lazy consensus date: 2024/06/28

Old Action Items Checkpoint:
- ☐ [item] removal of opm's composite template

Discussion Topics:
- [jordan] demo for operator-framework/operator-registry#1338 for `opm generate dockerfile` to create binary-less catalogs
- [joe] Decision made to cut OperatorConditions support from v1.0.0 scope. Moved epic to post-1.0 and re-scoped it around a v1.0 specific re-design.
    - https://github.com/operator-framework/operator-controller/issues/739
- [joe] A couple of new-ish epics in the v1.0 backlog to highlight.
    - https://github.com/operator-framework/catalogd/issues/271
    - https://github.com/operator-framework/operator-controller/issues/856
    - https://github.com/operator-framework/operator-controller/issues/920
- [jordan] (if we have time) **possible** breaking change in package name enforcement in catalogs (operator-registry): https://github.com/operator-framework/operator-registry/pull/1307
- [Mikalai] (If we have time) Question about ClusterExtension supports simple registry+v1 bundles only epic
    - Posted my question on K8s slack

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

Jun 4, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: 📄 [WIP] Support OLMv0 OperatorConditions expectations of registry+v1 bundles
  - Lazy consensus date: yyyy/mm/dd **??????**
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Jordan] registry roundup
  - [operator-framework/operator-registry#1338](#) for `opm generate dockerfile` to create binary-less catalogs
  - [operator-framework/operator-registry#1339](#) to remove the `composite` catalog template
  - [operator-framework/operator-registry#1335](#) to give a formal schema to the `basic` catalog template (part of an [epic](#) to enable a generic `opm render-template` command without template flavor foreknowledge, and includes FBC-to-basic conversion support)
- [michael] current state of RukPak and roadmap
  - Do we have a brief or other documentation around the future of RukPak and the `operator-controller.`

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Jordan Keister
  - ☑ ~~Update PR to state "removal" (not deprecation) of composite template~~
  - ☐ Send out email to google group announcing removal of the alpha composite template
  - ☑ ~~olm-dev PR to remove composite from upstream docs~~
  - ☑ ~~example-operator-index PR to remove composite~~

May 28, 2024

Host: Joe Lanford
Briefs and RFCs Under Review:
- Brief: 📄 [WIP] Support OLMv0 OperatorConditions expectations of registry+v1 bundles
  - Design discussion scheduled for tomorrow May 29, 2024 9:00 AM EST
  - Wednesday, May 29 · 3:00 – 4:00pm (Time zone: Central European Summer Time/Amsterdam) OR 9:00 AM EST
    Google Meet joining info

Video call link: https://meet.google.com/fsp-hgky-imy
Or dial: (NL) +31 20 708 8560 PIN: 279 033 393 3887#
More phone numbers: https://tel.meet/fsp-hgky-imy?pin=2790333933887
Or join via SIP: sip:2790333933887@gmeet.redhat.com

- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:

- ☐ [item]

Discussion Topics:

- [edmund] OperatorConditions - when/how to install CRD?
  - Recent slack discussion
  - Options
    - Just expect that OLMv0 will manage it. If it isn't installed, OLMv1 will not do the OperatorConditions logic.
    - Apply the CRD in OLMv1's install.

Roadmap Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

May 21, 2024

Host: Bryce Palmer

Briefs and RFCs Under Review:

- Brief: 🗐 [WIP] Support OLMv0 OperatorConditions expectations of registry+v1 bundles
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:

- ☐ Jordan Keister Create PR for README and Issue Template update to notify folks of OLMv0 maintenance mode
  - ☐ [merged] https://github.com/operator-framework/operator-lifecycle-manager/pull/3255
- ☐

Discussion Topics:

-

Roadmap Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

May 14, 2024

Host: [name of host]

Briefs and RFCs Under Review:
- Brief:
  https://docs.google.com/document/d/1GvmHQxjwCOS6xEZqWTCf5UoQB3DzdSMKIKfJZLiG3X0/edit
  - Lazy consensus date: 2024/05/14
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Jordan] large number of issues in v0 repos. Can we set expectations in these?
  - ○

	issues	PRs
operator-framework/rukpak	80	9
operator-framework/operator-lifecycle-manager	267	5
operator-framework/operator-registry	72	9

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ [Jordan Keister] Create PR for README and Issue Template update to notify folks of OLMv0 maintenance mode
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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May 7, 2024

Host: [name of host]

Briefs and RFCs Under Review:
- Brief: Use Helm to manage bundle content in OLM v1: Link
  - Lazy consensus date: 2024/05/14
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Bryce] PR to make rukpak's unpacker use a direct image registry client:
  https://github.com/operator-framework/rukpak/pull/874
  - Fixes a bug where changing the BundleDeployment source image ref would result in no changes due to unpack Pod already existing and having a phase of "Succeeded"
  - Aligns rukpak with catalogd
  - Likely useful in operator-controller when we switch to having similar logic internally and not using rukpak's BundleDeployment API

- [Bryce] Brief demo of https://github.com/operator-framework/rukpak/pull/873 - enables CRD upgrade safety preflight check logic in rukpak
  - Ended up being on the wrong branch for the demo. Here is a recording from the proper branch: https://asciinema.org/a/OmHh4TkRc5nMvdNDg7P49AsBV

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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Apr 30, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Varsha/Todd/Brett] Quick demo on using Helm to manage content in operator controller
- [Mikalai] Quick demo of ValidatingAdmissionPolicy enforcing package uniqueness on ClusterExtension

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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Apr 23, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: 📄 Brief: ClusterExtension support for simple registry+v1 bundles
  - Lazy consensus date: Apr 29, 2024
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- Added another epic above our 1.0.0 cutline: Catalogd uses HTTPS in webserver

- - [Bryce] I threw up a PR for this last week: https://github.com/operator-framework/catalogd/pull/243 - not sure of the impacts to operator-controller but the implementation in catalogd should be done with this PR.
  - [Joe] Quick demo of PR for opm cache improvements

Roadmap Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/26

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

Apr 9, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [Jordan] stale action items on agenda?

Discussion Topics:
- [yanni] Comments not addressed in overview doc PR 📖 Add OLMv1 Overview doc by joelanford · Pull Request #692 · operator-framework/operator-controller · GitHub
  - New Roadmap Project Views:
    - https://github.com/orgs/operator-framework/projects/8/views/26
    - https://github.com/orgs/operator-framework/projects/8/views/34
    - Individual "epics" will create shorter lived project views like the following: https://github.com/orgs/operator-framework/projects/8/views/32
  - Generally the v1.0 roadmap is to focus on building and stabilizing the ClusterExtension API (no Extension API in v1.0, will come later)

Milestone Check-In:
- Catalogd
- Operator-Controller
- Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ [Bryce] Look into updating this meeting template with new roadmap check in process
- ☐ [Bryce] Share roadmap meeting recording with Chris Johnson et. al

Apr 2, 2024

Host: Joe Lanford
Briefs and RFCs Under Review:
- Brief: [Name]
    - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Bryce] Demo: Quick PoC of using carvel tooling as libraries for unpacking + deploying bundle contents (plain+v0 only)
    - PoC PR: https://github.com/operator-framework/operator-controller/pull/727
    - This is intentionally very hacky and not all that close to what I think a real implementation would look like, but is intended to show feasibility at a high level. Only implemented on the ClusterExtension api
- [Joe] Demo: opm filtering
    - https://github.com/operator-framework/operator-registry/pull/1231
- [Joe] Demo: prototype - better bundle build/push/render
    - https://github.com/joelanford/kpm
- [Michael] docs issue template for epics: https://github.com/operator-framework/operator-controller/pull/706
    - Should we create a separate template for doc bugs/improvements, or try to make one type of issue template for docs?
- [Bryce] Refinement of roadmap? Should we adopt a roadmap doc that highlights the known functionality we are intending to have in OLM v1?

Milestone Check-In:
- Catalogd
- Operator-Controller
- Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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Mar 26, 2024

Host: Joe Lanford
Briefs and RFCs Under Review:
- Brief: [Name]
    - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- ● [Joe] Another plug for OLMv1 Overview document PR
  - ○ https://github.com/operator-framework/operator-controller/pull/692
  - ○ Some potential updates as a result of the RH maintainers' F2F meeting last week

Milestone Check-In:
- ● Catalogd
- ● Operator-Controller
- ● Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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Mar 12, 2024

Host: Joe Lanford

Briefs and RFCs Under Review:
- ● Brief: [Name]
  - ○ Lazy consensus date: yyyy/mm/dd
- ● RFC: [Name]
  - ○ Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [Joe] PR for OLMv1 Overview document
  - ☐ https://github.com/operator-framework/operator-controller/pull/692
- ☐ [Michael] Working on porting downstream docs in time for Kubecon. Since this might need more review than a typical docs PR, is a PR the best way to get a review? Would HackMD or Google doc be a better alternative?

Discussion Topics:
- ● [Joe] Canceling next week
- ● [Michael] Are we using a needs-docs label?
  - ○ [Joe] Let's just use the `epic` label

Milestone Check-In:
- ● Catalogd
- ● Operator-Controller
- ● Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Varsha Prasad Narsing Bryce Palmer Build GH Project Dashboard to show progress of ongoing epics.

Host: Joe Lanford
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [Joe] What we're working on:
  - 📄 Brief: Add support to kapp-controller
  - 📄 Brief: CRD Upgrade Safety
- [Adam] Timeline for conversion to kapp-controller, and helm support.
  - Meta issue: https://github.com/operator-framework/operator-controller/issues/590
- [Bryce] OLMv1 Mission statement / high-level overview of goals of OLMv1
  - What makes sense to put in the README?
  - What about everything else (that we can link to from the README)?
- [Michael]
  - Operator controller docs have languished a bit. Re-kick that off?

Milestone Check-In:
- Catalogd
- Operator-Controller
- Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Joe Lanford Coordinate upstream release of our RH internal OLMv1 doc
- ☐ Bryce Palmer Coordinate updating our GH project views to provide better roadmap info.
- ☐ Michael Ryan Peter Will try to kick off a new OLMv1 docs process upstream.

Feb 27, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
-

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)
- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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Feb 20, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: [Name]
    - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [jordan] codecov-action in operator-framework repos v3 → v4 requires token-based uploading ([slack conversation](#)). This in turn requires subscription management at codecov.io. o-f settings there are [here](#), showing we are currently at the 1-user "free" subscription. They are free to open source projects, but require registration. How do we handle this? *I have a meeting conflict, so I might be late.*
- [kevin] It's been a while since the last OLM v0 release, should we cut another one soon?
    - https://github.com/operator-framework/operator-lifecycle-manager/releases/tag/v0.26.0
    - https://kubernetes.slack.com/archives/C0181L6JYQ2/p1708120984180559
- [yanni] OLM v0 seems to always deploy the CRD, can we make it optional?

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)
- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Kevin Rizza will coordinate cutting a release of OLMv0 in the upstream github project.

~~Feb 13, 2024~~ **Canceled**

Host: [name of host]

Briefs and RFCs Under Review:
- Brief: [Name]
    - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
-

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)
- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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Feb 6, 2024

Host: [name of host]

Briefs and RFCs Under Review:
- Brief: 📄 Learn about possible updates
    - Lazy consensus date: Feb 6, 2024
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- (anik120) Can't attend the meeting due to a conflict, but wanted to bring up: Proposal to include "Metrics" story for OLM v1 in an iteration. Did not see one in iteration 3 or iteration 4, including metrics before we GA will be key in tracking how migration is going for our customers.
    - [kevin] At a minimum, which APIs are in use.
    - https://github.com/openshift/operator-framework-operator-controller/issues/71
- (yanni) Will there be a doc that captures the current design thought around multi-tenancy?
    - [Joe] Yes, hopefully a PR will be up in the next week or two
- (yanni) What is the current thought on OLM's secure-by-default stance
    - Extension API will have `spec.serviceAccountName`, which is passed into and used by App CR
    - Core OLM APIs and controllers will have no further automation around this, at least not initially
    - Maintainers are looking at tooling that cluster admins could use to generate RBAC and a service account
- (tmshort) [Extension API PR](#)

Milestone Check-In:
- [OLM V1 Project Board](#)

Action Items:
- Kevin Rizza Create issue to minimal metrics about API usage
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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Jan 30, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: 📄 Learn about possible updates
    - Lazy consensus date: Feb 6, 2024
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [tmshort] PR for new Extension type in operator-controller - just the API right now
- [Bryce] WIP PR for refactoring resolution and the types used to build resolution variables. Happy to early reviews from folks interested: https://github.com/operator-framework/operator-controller/pull/599

Milestone Check-In:
- Catalogd
- Operator-Controller
- Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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Jan 23, 2024

Host: Andy Goldstein
Briefs and RFCs Under Review:
- Brief: 📄 Learn about possible updates
    - Lazy consensus date: Feb 6, 2024
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- Andy - multi-tenancy https://github.com/operator-framework/operator-controller/discussions/269

Milestone Check-In:
- Catalogd
- Operator-Controller

- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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January 16, 2024 - Canceled due to lack of agenda

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
-

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)
- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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January 9, 2024

Host: Bryce Palmer (everettraven)
Briefs and RFCs Under Review:
- Brief: 📄 Initial Support for Namespace-Scoped Extensions
  - Lazy consensus date: Jan 16, 2024
- Brief: 📄 Support for Specifying Watched Namespaces
  - Lazy consensus date: Jan 16, 2024
- Brief: 📄 CRD Upgrade Safety
  - Lazy consensus date: Jan 16, 2024

Old Action Items Checkpoint:
- ☐

Discussion Topics:

- [Frederic] October 31 was presented an exploration of Carvel's kapp-controller and other tooling to speed up v1 development. I would be interested in getting an update on it, is it still being pursued? Is kap-controller getting integrated with operator-controller?
- [Bryce / everettraven] Demo of OLMv1 Graph Deprecation implementation (currently a PR that needs reviews)
    - PR: https://github.com/operator-framework/operator-controller/pull/574
- [Chris/Piotr] OLM v0 and PSA restricted https://github.com/operator-framework/operator-lifecycle-manager/issues/3132
- [Chris] Namespace-Scoped Catalog support in OLMv1

Milestone Check-In:
- Catalogd
- Operator-Controller
- Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (Bryce) Update Brief lazy consensus dates to be 1 week from today

January 2, 2024

Host: [name of host]
Briefs and RFCs Under Review:
- Brief: 📄 Initial Support for Namespace-Scoped Extensions
    - Lazy consensus date: TBD
- Brief: 📄 Support for Specifying Watched Namespaces
    - Lazy consensus date: TBD
- Brief: 📄 CRD Upgrade Safety
    - Lazy consensus date: TBD
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
-

Milestone Check-In:
- Catalogd
- Operator-Controller
- Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

~~December 19, 2023~~ Canceled

Host: TBD
Old Action Items Checkpoint:
- ☐ [Bryce] Catalogd release
- ☐ ~~[Daniel] Operator Controller release~~

Discussion Topics:
- (to be moved to January, as Piotr cannot join Dec 19th) OLM v0 and PSA restricted https://github.com/operator-framework/operator-lifecycle-manager/issues/3132
-

Milestone Check-In:
- Catalogd
- Operator-Controller
- Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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December 12, 2023

Host: Daniel Franz
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- Subscription Deprecation Demo
- [Alex] We may want to cancel our OLM Working Group Meetings scheduled for:
  - December 19th
  - December 26th
- [Alex] Kubecon EU 2024 Maintainer Track Submissions are due by EOY
- [Andy/Bryce] Multi-tenancy discussions - January scheduling
  - [Bryce] Can we get something on the community calendar for this? Current agreed to time for an initial meeting is January 3rd from 11am - 12pm EST
  - Slack thread: https://kubernetes.slack.com/archives/C0181L6JYQ2/p1702331418382069
  - Doc: 📄 [WIP] OLM v1's approach to multi-tenancy
  - Slides: 🟧 OLM v1 multi-tenancy
- [Bryce] Community calendar access/permissions
- [Praveen] Registry+v1 support in Carvel kapp-controller and extensibility
  - Operator characteristics

- - - ■ CRD upgrade safety
        - ■ Dependency resolution
        - ■ Multi-tenancy
        - ■ Constraints/preflight checks
        - ■ Finer-grained upgrade controls
        - ■ Permissions management
        - ■ Health checks on all applied resources surfaced as status conditions
      - ○ Join [Google Group](#) for briefs/rfcs access
        - ■ [Briefs](#)
        - ■ [RFCs](#)
  - [agreene] Created [a PR](#) to update the list of Operator Framework maintainers
    - ○ Looks like this merged
  - ●

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)
- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ [Bryce] Catalogd release
- ☐ [Daniel] Operator Controller release

December 5, 2023

Host: Daniel Franz
Briefs and RFCs Under Review:
- Brief: [Name]
  - ○ Lazy consensus date: yyyy/mm/dd
- RFC: 🗎 RFC: OLM v1 Graph Deprecation
  - ○ Lazy consensus date: 2023/12/08

Old Action Items Checkpoint:
- ☐ Cut operator-controller v0.8.0 release & add new milestone (m1kola)
- ☐ Update release docs to focus on minor releases (vs. patch) (awgreene)
  - ☐ https://github.com/operator-framework/operator-controller/pull/554/files
- ☐ Cut deppy v0.2.0 release & add new milestone (m1kola)
- ☐ Look into CLI UX (everettraven & grokspawn & others)
- ☐ [item]

Discussion Topics:
- ~~Subscription Deprecation Demo~~
- BundleDeployment Health Checks demo: https://asciinema.org/a/oa4fCItreQ1bGxvWqHjta9U0B

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)

- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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November 28, 2023

Host: Todd Short (tmshort)
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: 📄 RFC: OLM v1 Graph Deprecation
  - Lazy consensus date: 2023/12/08

Old Action Items Checkpoint:
- ☐ Cut operator-controller v0.8.0 release - not done
- ☐ Document drafts sub-dir (done with VersionRange) in the operator-controller (michael peter)

Discussion Topics:
- (joelanford): release cadence of ~3 weeks if there's, avoid release branches where possible (i.e. minor releases vs patch releases)
- operator controller CLI experience?
  - **olmv1** keyword in kubectl repo
  - Strategize around CLI UX, do an RFC?

Milestone Check-In:
- [Catalogd](#) (no current milestone, some bugfixes, create v0.11.0 milestone, cut a release next week?)
- [Operator-Controller](#) (skip, milestone not current)
- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Cut operator-controller v0.8.0 release & add new milestone (m1kola)
  - ☐ [New release - v0.8.0](#)
  - ☐ [New milestone - v0.9.0](#)
- ☐ Update release docs to focus on minor releases (vs. patch) (awgreene)
  - ☐ https://github.com/operator-framework/operator-controller/pull/554
- ☐ Cut deppy v0.2.0 release & add new milestone (m1kola)
  - ☐ [New release - v0.2.0](#)
  - ☐ [New milestone - v0.3.0](#)
- ☐ Look into CLI UX (everettraven & grokspawn & others)

November 21, 2023

Host: Ankita

Briefs and RFCs Under Review:

- Brief: [Name]
    - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
    - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:

- ☐ [item]

Discussion Topics:

- (m1kola / Mikalai) Should we cut operator-controller v0.8.0 release and move [remaining items](#) into the next milestone? We are past due by 7 days and remaining issues do not seem to be blocking.

Milestone Check-In:

- [Catalogd](#)
- [Operator-Controller](#)
- [Deppy](#)

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Cut operator-controller v0.8.0 release

November 14, 2023

Host: Ankita

Briefs and RFCs Under Review:

- Brief: [Name]
    - Lazy consensus date: yyyy/mm/dd
- RFC: 📄 RFC: OLM v1 Graph Deprecation (need an extension?)
    - Lazy consensus date: 2023/11/17
    - (Chris) Can we have a quick summary of the OLM v1 Graph Upgrade plans and how this influences those? (I see that Mikalai has a topic below related to this)

Old Action Items Checkpoint:

- ☐ (anik) Create docs-staging folder for projects and send out communication - https://github.com/operator-framework/operator-controller/pull/522 (tldr: best to create the folders in each project when the first doc for the folder is written, ie we move forward with the consensus that we'll start throwing in rough docs in docs-staging folder as discussed before, and create the folder when writing the first doc if the folder does not exist).
- ☐

Discussion Topics:

- (everettraven / Bryce): Coast-to-coast demo of features added to OLMv1 in Q4 2023
    - A live demo that walks through the documentation added in https://github.com/operator-framework/operator-controller/pull/533

- (m1kola / Mikalai): Demo of 📄 RFC: Initial upgrade support implementation (aka semver upgrade constraints)

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)
- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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November 7, 2023 - Canceled (KubeCon)

Host: Alex (awgreene)
Briefs and RFCs Under Review:
- Brief: [Name]
    - Lazy consensus date: yyyy/mm/dd
- RFC: 📄 RFC: OLM v1 Graph Deprecation
    - Lazy consensus date: 2023/11/17
- 📄 RFC: OLM v0 Graph Deprecation
    - Lazy consensus date: 2023/11/7

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
-

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)
- [Rukpak](#)
- [Deppy](#)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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October 31, 2023 [[recording](#)]

Host: Mikalai
Briefs and RFCs Under Review:
- RFC: 📄 RFC: FBC Graph Deprecation/Delegation Identification [jordank]
    - Lazy consensus date: 2023/Nov/01
- RFC: [OLMv1 User RBAC Management](#) [tmshort]
    - UPDATE: Lazy consensus date: 2023/Nov/01

- RFC: [OLM v0 Graph Deprecation](#) [ankita]
  - Lazy consensus date: 2023/Nov/07

Old Action Items Checkpoint:

- ☐ [item]

Discussion Topics:

- [ncdc] Exploring [Carvel's](#) [kapp-controller](#) and other tooling to speed up v1 development
  - Meeting w/Carvel folks after today's meeting, 12pm EDT, to discuss packaging, catalogs, channels
    - Video call link: https://meet.google.com/jyq-xryc-spe
    - Or dial: (US) +1 315-754-3562 PIN: 675 455 927#
    - More phone numbers: https://tel.meet/jyq-xryc-spe?pin=6159334681006
    - Or join via SIP: sip:6159334681006@gmeet.redhat.com
- [awgreene] It's been a bit since we've cut an OLM V0 release
  - Any volunteers?
  - Any PRs we'd like to see merge before cutting the release?

Milestone Check-In:

- [Catalogd](#)
- [Operator-Controller](#)
- [Rukpak](#)
- [Deppy](#)

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (jlanford) Upstream thread for e2e demo
- ☐ (anik) Create docs-staging folder for projects and send out communication

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October 24, 2023

Host: Ankita

Briefs and RFCs Under Review:

- RFC: [OLMv1 User RBAC Management](#) [tmshort]
  - Lazy consensus date: 2023/10/27
- RFC: 📄 RFC: FBC Graph Deprecation/Delegation Identification [jordank]
  - Lazy consensus date: 2023/10/27

Old Action Items Checkpoint:

- ☐ [item]

Discussion Topics:

- (dfranz) operator-controller v0.7.0 release
- (jlanford) demo next week (aspirational)

Milestone Check-In:

- [Catalogd](#)
- [Operator-Controller](#)
- [Rukpak](#)(skip, milestone not current)

- Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (jlanford) Upstream thread for e2e demo

October 17, 2023

Host: Anik
Briefs and RFCs Under Review:
- Brief: 📄 OLMv0 Graph Deprecation/Delegation
  - Lazy consensus date: 2023/10/20
- RFC: OLMv1 RBAC Management [tmshort]
  - Lazy consensus date: 2023/10/25

Old Action Items Checkpoint:
- ☐ (Mikalai/Per) Clean up Deppy milestones

Discussion Topics:
- (Joe) Note on the practice of announcing of RFCs and Briefs
  - Mandatory: Post in this agenda document
  - Highly recommended: Post on slack channel
- (Gavin) "Approvals"
  - The fulfillment of the (new) "Assessment Matrix" section. This means getting explicit reviewers issues addressed, regardless of disposition.
  - Q: Determining consensus: Do we want it to be that all or a majority of reviewers (added either a priori or a posteriori) need to be satisfied? (see 📄 _Brief: Template)

Milestone Check-In:
- Catalogd
- Operator-Controller
- Rukpak
- Deppy

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ ~~Remove "Approval" field from RFC and Brief Template, make sure Status field has "Consensus Reached" value~~
- ☐ ~~Joe to record (any) changes to the Brief's header "Approval" verbiage.~~ "Community Consensus"
- ☐ ~~Add table in RFC and Brief Templates so that reviewers have a place to say they've reviewed (especially helpful for reviews that result in no comments)~~

- ☐ Collect Deppy issues into a new milestone
- ☐ Alex to clean up Rukpak milestones

October 10, 2023

Host: Anik

Briefs and RFCs Under Review:
- Brief: 📄 OLMv0 Graph Deprecation/Delegation
  - Lazy consensus date: 2023/10/20
- Brief: 📄 OLMv1 Graph Deprecation/Delegation
  - Lazy consensus date: 2023/10/13
- RFC: [Redesign Rukpak APIs](#)
  - Lazy consensus date: 2023/10/10
  - [varsha] Going to mark this as accepted by EoD today if there are not any comments strictly against the proposed design.
- RFC: [OLMv1 RBAC Management](#) [tmshort]
  - Lazy consensus date: TBD

Old Action Items Checkpoint:
- ☐ (Mikalai/Per) Clean up Deppy milestones
- ☐ (Daniel) Cut operator-controller v0.6.0 release (completed)
- ☐ (Daniel) Cut rukpak v0.14.0 release (completed)

Discussion Topics:
- [Bryce (everettraven)] Demo: Catalogd CLI PoC
  - PoC branch: https://github.com/everettraven/catalogd/tree/feature/cli
  - Markdown rendering library I used for fancy styled output: https://github.com/charmbracelet/glamour

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)
- [Rukpak](#)
- [Deppy](#) (Skip, milestone not current)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting - Alex
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Remove "Approval" field from RFC and Brief Template, make sure Status field has "Consensus Reached" value
- ☐ Add table in RFC and Brief Templates so that reviewers have a place to say they've reviewed (especially helpful for reviews that result in no comments)
- ☐ Collect Deppy issues into a new milestone

October 3, 2023

Host: Daniel

Briefs and RFCs Under Review:
- Brief: 📄 FBC Graph Deprecation/Delegation Identification
  - Lazy consensus date: 2023/10/06
- Brief: 📄 OLMv1 Graph Deprecation/Delegation
  - Lazy consensus date: 2023/10/13
- RFC: Redesign Rukpak APIs
  - Lazy consensus date: 2023/10/10

Old Action Items Checkpoint:
- ☐ (alex) Cut an Operator Controller Release
- ☐ (anik) Decide if someone needs to cut a catalogD release

Discussion Topics:
- (Chris/Piotr) any more follow ups on the tenancy discussion #269 ?
-

Milestone Check-In:
- Catalogd
- Operator-Controller
- Rukpak
- Deppy (Skip, milestone not current)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (Mikalai/Per) Clean up Deppy milestones
- ☐ (Daniel) Cut operator-controller release
- ☐ (Daniel) Cut rukpak release

September 26, 2023

Host: Alex

Briefs and RFCs Under Review:
- Brief: 📄 Graph Deprecation/Delegation
  - Lazy consensus date: 2023/10/06
- RFC: 📄 RFC: Catalogd Direct Image Registry Client
  - Lazy consensus date: 2023/09/26

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [everettraven/Bryce] - Demo: Catalogd HTTP server
- [m1kola] - Demo/Update: EntitySource removal

- [joelanford] Remove "ref" field from `olm.bundle.object` FBC properties ([PR](), [Slack thread]())
- [joelanford] Support migrations of existing FBCs: 75% reduction converting `olm.bundle.object` to `olm.csv.metadata` ([PR](), [Slack thread]())

Milestone Check-In:
- [Catalogd]()
- [Operator-Controller]()
- [Rukpak]()
- [Deppy]() (Skip, milestone not current)

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (alex) Cut an Operator Controller Release
- ☐ (anik) Decide if someone needs to cut a catalogD release

September 19, 2023

Host: Bryce
Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [CatalogD polling]()
  - Lazy consensus date: 2023/09/25
- RFC: 📄 RFC: Catalogd Direct Image Registry Client
  - Lazy consensus date: 2023/09/26

Old Action Items Checkpoint:
- ☐ (anik120) Cut catalogd v0.6.0 release: DONE
  https://github.com/operator-framework/catalogd/releases/tag/v0.6.0
- ☐ (Alex) Cut operator-controller v0.5.0 release: DONE
  - ☐ https://github.com/operator-framework/operator-controller/milestone/6
- ☐ (Alex) Cadence for release discussion:
  - ☐ I've created an issue https://github.com/operator-framework/operator-controller/issues/417
- ☐ (Joe) Create doc issue for version range support
  - ☐ https://github.com/operator-framework/operator-controller/issues/407

Discussion Topics:
- [awgreene] - [Kubecon EU CFP is Open]()
- [varsha] - Rukpak v1alpha2 API and controller changes - demo

Milestone Check-In:
- [Catalogd]()
- [Operator-Controller]()
- [Rukpak]()
- [Deppy]() (Skip, milestone not current)

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (Alex) Take a look at the operator-controller v0.6.0 milestone

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September 12, 2023

Host: Anik

Briefs and RFCs Under Review:
- Brief: [Name]
  - Lazy consensus date: yyyy/mm/dd
- RFC: [Name]
  - Lazy consensus date: yyyy/mm/dd

Old Action Items Checkpoint:
- ☐ [item]

Discussion Topics:
- [m1kola] 📄 RFC: Initial upgrade support - short overview of the final version.
- [anik120] CatalogD polling epic: RFC in progress
- [Varsha] WIP refractor rukpak controller for v1alpha2 API :
  https://github.com/operator-framework/rukpak/pull/727
- [joelanford] (I have a meeting conflict and can't attend) Still working on GitHub project views:
  - Views
    - Roadmap
    - Iterations (by repo)
    - Iterations (by assignee)
  - Looking for feedback:
    - From a stakeholder standpoint: does this tell you what you want to know about what we're working on and what the progress is?
    - From a maintainer standpoint:
      - Is this useful for finding what needs to be reviewed?
      - Is it too burdensome for maintainers to add issues/PRs to the project and keep them up-to-date (assignee, iteration, epic label, etc.)?
      - How do we incorporate contributions from non-maintainers?
    - Does it make sense to expand this to projects other than OLMv1?
- [tmshort] Quick Version Range demo https://github.com/Masterminds/semver
  - No support for hyphen ranges
  - E.g. ">=1.0.0 <2.0.0"
  - E.g. "0.65.x"
  - E.g. ">0.37.0 <0.65.1"

Milestone Check-In:
- Catalogd
- Operator-Controller
- Rukpak
- Deppy (Skip, milestone not current)

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting: Bryce
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ () Create issue for tracking doc work for Todd's version range demo examples
- ☐ (anik120) Cut catalogd v0.6.0 release
- ☐ (Alex) Cut operator-controller v0.5.0 release
- ☐ (Alex) Cadence for release discussion

September 5, 2023

Host: Ankita
Briefs and RFCs Under Review:

- Brief: OLM v1 Documentation
  - Lazy consensus date: Sep 8, 2023

Old Action Items Checkpoint:

- ☐ [item]

Discussion Topics:

- [awgreene] - KubeCon + CloudNativeCon EU 2024 CFP OPENS September 18
  - Interested in getting involved? Let's organize efforts here!
- [joelanford] https://github.com/orgs/operator-framework/projects/8/views/26
  - WIP project view using GH "Roadmap" feature
  - New epic issues created to track ongoing work

Milestone Check-In:

- Catalogd
- Operator-Controller
- Rukpak
- Deppy (Skip, milestone not current)

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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August 29, 2023

Host: dfranz
Briefs and RFCs Under Review:

- Brief: 📄 RBAC permissions management
  - Lazy consensus date: Aug 29, 2023
- Brief: OLM v1 Documentation
  - Lazy consensus date: Sep 8, 2023
- RFC: 📄 RFC: Initial upgrade support

- - Lazy consensus date: Sep 1, 2023

Old Action Items Checkpoint:

☐ [item]

Topics:

- [awgreene] - Closed [RukPak Milestone 12](#)
  - We can skip RukPak in the Milestone Check-in
- [awgreene] - Initiated a [Slack conversation](#) to cleanup [Deppy Milestone v0.1.0](#)
  - We can skip Deppy in the Milestone Check-in
- [awgreene] - Closed [GH Discussion](#) regarding WG Agenda Update
  - Created [operator-controller Issue 370](#) to discuss how we'd like to triage issues in the repo
- [anik120] - How do we want to track docs update work? Labels on issues that'll require docs changes? Separate issues that get created alongside? Eg [operator-controller issue #371](#)
- [joelanford] Removing Package and BundleMetadata APIs
  - https://github.com/operator-framework/catalogd/pull/149
  - https://github.com/operator-framework/operator-controller/pull/343
  - https://github.com/operator-framework/operator-controller/pull/372
- [ncdc] rukpak v1alpha2 proposal
  - https://github.com/operator-framework/rukpak/issues/703
- [skuznets]
  - https://github.com/operator-framework/operator-lifecycle-manager/issues/3019
  - https://github.com/operator-framework/catalogd/issues/146

Milestone Check-In:

- [Catalogd](#)
- [Operator-Controller](#)
- [Rukpak](#)
- [Deppy](#)

Next Milestone Idea Generation Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Action Items:

☐ (host) Create next meeting agenda

☐ (host) Open the floor for hosting volunteers for the next meeting

☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

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August 22, 2023

Host: awgreene

Briefs and RFCs Under Review:

- Brief: 📄 RBAC permissions management
  - Lazy consensus date: Aug 29, 2023
- RFC: 📄 RFC: Initial upgrade support: Resolver Updates
  - Lazy consensus date: Aug 25, 2023

Old Action Items Checkpoint:

☐ [awgreene] I've created a [GitHub Discussion](#) to discuss potential updates to the WG Meeting Template.

   ☐ I hope to adopt the new template by the next working group meeting.

Topics:
- [Chris]: Brief overview of our plans for a "Catalog Builder" service.
- [awgreene] I've cut the v0.4.0 release of Operator Controller

Milestone Check-In:
- [Catalogd](#)
- [Operator-Controller](#)
- [Rukpak](#)
- [Deppy](#)

Next Milestone Idea Generation Check-in:
-

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ [dfranz] Clean up and update Rukpak milestone
- ☐ [m1kola] Talk to Per about cutting a deppy release on Wednesday

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August 15, 2023

Host: Anik120
Milestone Check-In:
- Operator-controller: https://github.com/operator-framework/operator-controller/milestone/5
- Catalogd: https://github.com/operator-framework/catalogd/milestone/4
- Rukpak:
- Deppy:

Topics:
- [everettraven (bryce)] - https://github.com/operator-framework/operator-controller/discussions/308 (community outreach discussion bump)
- [Chris/James] https://github.com/operator-framework/operator-lifecycle-manager/issues/2923
- [ncdc] Ready briefs:
  - 🗎 BundleDeployment Health
  - 🗎 Catalogd Content Storage+Serving
  - 🗎 Constraints & pre-flight checks
  - 🗎 Initial upgrade support
  - 🗎 Support version ranges
- [joelanford] In-Review briefs:
  - 🗎 OLM v1 Documentation
  - 🗎 RBAC permissions management
- [agreene] Let's drop the "Recording Preamble"
  - ncdc pointed out that Zoom has a Recording Consent popup

Next Milestone IdeaGeneration Check-in:
- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ [item]

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (alex) Create meeting to figure out Agenda template
    - ☐ Created: https://github.com/operator-framework/operator-controller/discussions/335
- ☐ (Joe) v0.4.0 operator-controller milestone check in in slack
- ☐ () rukpak milestone clean up

Aug 8, 2023

Host: Alex Greene
Milestone Check-In:

- ● https://github.com/orgs/operator-framework/projects/8/views/22

Topics:

- ● [awgreene] - Milestone v0.3.0 is closed!
    - ○ [krizza] - We have moved to a 3 week release cadence, we will be cutting v0.4.0 release next week.
- ● [awgreene] - The OLM V1 Version Range RFC is ready for review
- ● [michaelryanpeter] - The OLM v1 Documentation brief is ready for review
- ● [ankita] - The OLM V1 BundleDeployment Health RFC is ready for review

Next Milestone IdeaGeneration Check-in:

- ● https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ [item]

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ [awgreene] - Start a conversation to gauge if we should remove the "Next Milestone IdeaGeneration Check-in" from the template.
    - ☐ We have a new brief-rfc process, how does it impact the old "GH Discussion" process.
- ☐ [krizza] - Start a conversation regarding how we will cut the operator-controller v0.4.0 release.

August 1, 2023

Host: Andy Goldstein (ncdc)
Milestone Check-In:

- ● https://github.com/orgs/operator-framework/projects/8/views/22

Topics:

- ● [joelanford] (I'll be on PTO, so if someone could announce for me) - Briefs (proposals) are live! We're looking for reviews and contributions:
    - ○ https://kubernetes.slack.com/archives/C0181L6JYQ2/p1690395762410689

- - https://drive.google.com/drive/folders/1Yu9n9hRiTXasIvKc9i8a241JeWn5mvwf
    - [anik] let's see if we can find ways to make the briefs and rfcs more visible to newcomers
- [everettraven (bryce)] Community outreach thoughts/process?
    - Could provide mentorship opportunities via CNCF (gsoc, linux foundation)
    - OSS events - Hacktoberfest
    - When new SDK releases are cut, we post into #kubernetes-operators
        - Should do the same for OLM v1 bits
    - Process?
        - Should we elect/nominate community ambassadors?
        - They would make sure we have good-first-issues, etc.
    - Bryce to create a place to have follow-up discussions (Slack or GitHub)
- [ncdc] Tilt update
- [Anik] OLM v1 documentation site is live!: https://operator-framework.github.io/operator-controller/ source : /docs folder in the operator-controller repo
- [Bryce] v0.4.0 milestone created (needs due date): https://github.com/operator-framework/operator-controller/milestone/5

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ [item]

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

July 25, 2023

Host: Bryce
Milestone Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/22

Topics:

- [ncdc] Tilt demo
    - https://tilt.dev/
- [awgreene] - Nominations for the Operator Framework Chairs due TONIGHT!
    - Learn more here: https://groups.google.com/g/operator-framework/c/Rg3YWK58aFo
    - Bryce: There was a discussion around extending the nomination deadline as the announcement didn't seem to be sent as an email and only landed in the Google Group.

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ [item]

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ [Bryce] Create the v0.4.0 Operator Controller milestone

July 18, 2023

Host: Daniel

Milestone Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/22

Topics:

- (Chris) Missing 7/11 youtube upload 🙁
- [Bryce] Catalogd RFC for serving catalog content approved:
  - 📄 RFC: Catalogd Content Storage+Serving

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ Discuss release cadence RFC and milestone v0.4.0 operator-controller items
  - ☐ [krizza] rfc: 📄 RFC: OLM v1 Time Based Releases
- ☐ Release planning item checking

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

July 11, 2023

Host: Anik

Milestone Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/22

Topics:

- [krizza] - time based releases
- [perdasilva] - deppy repl: https://github.com/perdasilva/replee

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ Status update for OLM v1 multi-tenant clusters discussion:
  https://github.com/operator-framework/operator-controller/discussions/269: Joe - initial RFC covering a part of it yet to be written,coming soon…

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Release cadence RFC [Kevin]

June 27, 2023

Host: Ankita Thomas

Milestone Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/22

Topics:

- [perdasilva] - deppy repl: https://github.com/perdasilva/replee
- [cdjohnson] - Briefly discuss OLM v0 startingCSV issue
- [Michael/Anik] - Documenting OLM v1: RFC PR Prototype of PR: https://anik120.github.io/operator-controller/

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ Status update for OLM v1 multi-tenant clusters discussion: https://github.com/operator-framework/operator-controller/discussions/269

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (awgreene) Create a GH Discussion for Upgrade UX Experiences
    - ☐ https://github.com/operator-framework/operator-controller/discussions/280
- ☐ (anik, michael) Update for OLM v1 documentation RFC for unified operator-framework github docs site
- ☐ (jmprusi) Create an issue to add FBC support for properties introduced in operator-controller PR #275

June 20, 2023

Host: Daniel Franz (dtfranz)
Milestone Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/22

Topics:

- [perdasilva] - deppy repl: https://github.com/perdasilva/replee
- [Chris Johnson] - Status update for OLM v1 multi-tenant clusters consideration: https://github.com/operator-framework/operator-controller/discussions/269

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ (fgiloux) Create a GH Discussion to validate OLM on specific cluster distributions: https://github.com/operator-framework/operator-lifecycle-manager/discussions/2978

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (awgreene) Update this issue to explain why operator-controller cares

June 13, 2023

Host: Alexander Greene
Milestone Check-In:

- https://github.com/orgs/operator-framework/projects/8/views/22

Topics:

- [fgiloux] should we validate OLM on Kubernetes distributions other than kind and minikube?
    - [pgodowski's input] - yes, specifically Public K8s distros like EKS, AKS, GKE, Rancher

- - - [awgreene] Would be great to make this a larger plan for OLM adoption upstream by focusing on:
      - Value add
      - Easy install
      - Easy upgrades
  - [ankitathomas] - Demo of https://github.com/operator-framework/operator-controller/issues/205
  - [m1kola] Demo of Off-cluster resolution CLI with support of offline catalogs (draft PR)
    - Please share your use cases in this github discussion
  - [jhunkins] migration from Querier to JSON interface for programmatic access to GRPC APIs without GRPC calls
    - https://kubernetes.slack.com/archives/C0181L6JYQ2/p1686613748805729
    - Perhaps this helps illustrate what to do? https://github.com/operator-framework/operator-registry/blob/6c602841934d6e154e38c0574cc140471dc063e6/cmd/opm/serve/serve.go#L116-L142
      - [jhunkins] this seems to incur costs in loading / maintaining a cache when we don't need the cache itself… the declarative config is already loaded in memory, so we just need a way to invoke the "GRPC" interface
      - [joelanford] for a _loong_ time, there has been a cache behind the grpc server for fbc. Here was the code prior to the refactor. Perhaps it is not unreasonable to add back a function that orchestrates all of that with _just_ a model as input. The main reason for this change is that loading fbc and building the model required lots of memory and CPU. The cache mostly eliminates this.
  - [pgodowski has last moment conflict, let's follow up offline] OLM v1 multi-tenancy discussion item: https://github.com/operator-framework/operator-controller/issues/261

Next Milestone IdeaGeneration Check-in:
- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:
- ☐ [awgreene]: Open a discussion topic for off-cluster resolution topics - DONE, https://github.com/operator-framework/operator-controller/discussions/262
- ☐ [pgodowski]: Open a discussion topic for OLM v1 multi-tenancy - DONE, https://github.com/operator-framework/operator-controller/issues/261

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ (fgiloux) Create a GH Discussion to validate OLM on specific cluster distributions

June 6, 2023

Host: James Hewitt
Milestone Check-In:
- https://github.com/orgs/operator-framework/projects/8/views/22

Topics:
- [joelanford] - Remove `opm registry serve` command?
- [m1kola] - Quick demo off cluster CLI tools (resolution CLI PoC and and rukpak PoC created by Varsha)

- [perdasilva] resolution problem building [RFC]
- [pgodowski] OLM v1 multi-tenancy discussion followup (email exchange with Daniel, Andy and others)

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ [item]

Action Items:

- ☐ Alex: Open a discussion topic for off-cluster resolution topics
    - ☐ Created https://github.com/operator-framework/operator-controller/discussions/262
    - ☐
- ☐ Pgodowski: Open a discussion topic for OLM v1 multi-tenancy
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

May 30, 2023

Host: Alex Greene (awgreene)

https://www.youtube.com/watch?v=_T1vWL5l9iQ

Milestone Check-In:

- https://github.com/operator-framework/operator-controller/milestones

Topics:

- [awgreene] - Should we cut operator-controller v0.2.0 or pull more work in?
    - Yes, we'll bump the following to the v0.3.0 release
        - https://github.com/operator-framework/operator-controller/issues/205
        - https://github.com/operator-framework/operator-controller/issues/206
- [awgreene] V0.3.0 candidates:
    - https://github.com/operator-framework/operator-controller/issues/231
    - https://github.com/operator-framework/operator-controller/issues/238
    - Joe TODO: Create bump catalogd to v0.2.0 assigned
    - https://github.com/operator-framework/operator-controller/issues/215
    - https://github.com/operator-framework/catalogd/issues/81
        - Bryce (everettraven) will assist.
    - https://github.com/operator-framework/operator-controller/issues/232
        - Goal is to get this into a state where work can be pulled in.
- [fgiloux] - Follow-up on upgrade documentation
    - Community is concerned about possible support implications of releasing an OLM V0 upgrade script
        - Is CI necessary?
        - Is this a real user request?
        - DONE (fgiloux): Add a comment to original issue explaining the workaround using replaces and create a discussion asking users to vote on it if they feel that OLM V0 upgrade scripts are necessary
        - TODO (awgreene): Create a discussion in operator-controller to discuss our upgrade support policy.
- [Anik120] -

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ [item]

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting

(recorder) Upload Recording to the Operator Framework Youtube Channel

May 23, 2023

Host: Alexander Greene

Milestone Check-In:

- https://github.com/operator-framework/operator-controller/milestones

Topics:

- [JordanK] discussion around recurring `kubectl.kubernetes.io/last-applied-configuration` blowout of CRDs during `kubectl apply`:
  https://github.com/operator-framework/operator-lifecycle-manager/issues/2968

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ Recording of the May 16 meeting needs to be published on YouTube

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

May 16, 2023

Host: Ankita Thomas

Milestone Check-In:

- https://github.com/operator-framework/operator-controller/milestones
- [anik120] catalogd's share of commitment for milestone likely has stretch goals due to resource constraints

Topics:

- [m1kola/Mikalai Radchuk] - Demo of OLMv0 PR#2942 which prevents OLM from creating `InstallPlan` when bundle unpack fails and enables better capability of auto recovery
- [anik120] requesting tldr/clarification about conversations in multiple threads surrounding tenancy model in v1, that potentially has effect on direction
- [joelanford] Demo some in-flight opm render improvements
  - https://github.com/operator-framework/operator-registry/pull/1094

Next Milestone IdeaGeneration Check-in:

- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:

- ☐ [item]

Action Items:

- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ [Joe] seed some discussions/issues to scope out the OLMv1 Roadmap
- ☐ [Alex] move operator-controller + deppy issues into project board for m4

May 9, 2023 (postponed from May 2, 2023)

Host: Alex Greene
Milestone Check-In:
- https://github.com/operator-framework/operator-controller/milestones

Topics:
- [Piotr G/Joe H] - Operator as control plane extensions/singleton vs Application extensions? Piotr is only avail for first 30 minutes
- [anik120] - operator-controller -> catalogd integration PR#182
-

Next Milestone IdeaGeneration Check-in:
- https://github.com/operator-framework/operator-controller/discussions/categories/release-planning

Old Action Items Checkpoint:
- ☐ [item]

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting
- ☐ (recorder) Upload Recording to the Operator Framework Youtube Channel
- ☐ Andy to schedule a followup meeting on " Operator as control plane extensions/singleton vs Application extensions?" topic
    - ☐ Recording

May 2, 2023 (postponed to May 9, 2023)

April 25, 2023

Host: Todd Short
Milestone Check-In: https://github.com/operator-framework/operator-controller/milestones
Topics:
- (tmshort) - Demo of **.spec.version** and **.spec.channel** in Operator CR.
- (anik120) - Catalogd issue labels (what is the set of issue labels do we want to have?)
- (jamstah) - Multi-arch support for catalog images - https://github.com/operator-framework/api/pull/279
- (everettraven) - Thoughts on having community issue triage meetings for individual components?
- [anik120] - operator-controller -> catalogd integration
  https://github.com/operator-framework/operator-controller/pull/182

Old Action Items Checkpoint:
- ☐ Demo for #162 and #163 posted

Action Items:
- ☐ (host) Create next meeting agenda
- ☐ (host) Open the floor for hosting volunteers for the next meeting

☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

April 18, 2023

Host: Daniel Franz
Milestone Check-In: https://github.com/operator-framework/operator-controller/milestones
Topics:
- (dtfranz) - Quick demo for release installation script
- [agreene] - OF Mission Statement

Old Action Items Checkpoint:
☐ (awgreene) Reach out to CNCF about Prow (or other CI/CD) for OF
Action Items:
☐ (host) Create next meeting agenda
☐ (host) Open the floor for hosting volunteers for the next meeting
☐ Post demo for issue operator-controller #162
☐ (recorder) Upload Recording to the Operator Framework Youtube Channel

April 11, 2023

Host: Bryce Palmer
Milestone Check-In: https://github.com/operator-framework/operator-controller/milestones
Topics:
- [everettraven (bryce)] New meeting format with volunteer/recording roles
- [awgreene] Review changes to the The Community Meeting Agenda
- [awgreene] Operator Framework Community Meetings Calendar Update
  - I was asked to look into allowing OF Google Groups to contribute events to the calendar. There is no way to do this without allowing 1000s of users to add, edit, or delete all events.
  - I propose granting Operator Framework Project maintainers admin privileges on the event. Community users would reach out to these maintainers to add, edit, or delete events.
    - Maybe steering committee members are admins at first. Use #operator-framework-community for requesting meetings
- [awgreene] Review and present on CNCF Marketing Services
  - https://www.cncf.io/services-for-projects/#marketing
    - Surveys
      - Could inquire how people install/upgrade CRDs
    - CNCF associated Tweets, Blog Posts, youtube videos, newsletter, etc…
      - https://github.com/cncf/foundation/blob/main/online-programs-guidelines.md
    - Security Audits
      - FOSSA for license and security scanning
      - Snyk for container image scanning
    - Legal assistance
      - A neutral home for project assets and trademarks.
      - Registering trademarks for your projects across geographies as needed
    - Community Management
      - Project governance creation and advice
      - Project activity tracking and contribution reporting via https://devstats.cncf.io
      - Biweekly or monthly check in meetings with CNCF Staff as requested

- - ■ Design and aesthetics
    - ● Logos
    - ● Websites
- [anik120] Catalogd project bootstrapped, and issues added to milestone 3
  (https://github.com/operator-framework/catalogd)
- [tmshort] Reminder [OLM v1 Upgrades UX](#)
- [daniel messer] How to add/discuss OLMv1 overall scope changes?
  - ○ OLMv1 PRD to be added to the operator-controller repo. PRs against this for additions, updates, etc.
- Meeting to nail down milestone 3 @ 12pm EST today
  - ○ Meeting link: https://zoom.us/j/5511723751
  - ○ Passcode: 77777

Old Action Items Checkpoint:
- [item]

Action Items:
- (host) Create next meeting agenda
- (host) Open the floor for hosting volunteers for the next meeting
- (recorder) Upload Recording to the Operator Framework Youtube Channel
- (awgreene) Reach out to CNCF about Prow (or other CI/CD) for OF

April 4, 2023

Topics:

- [Alex] Operator Framework needs a Mission Statement
  - ○ [GitHub Issue](#)
  - ○ Alex to bring this up at the next scheduled steering committee meeting.
- [Alex] Introduced [CONTRIBUTING.md PR](#)
  - ○ [Ankita] Do we require contributors to agree to the CNCF contributor license agreement?
    - ■ Let's follow up on this and better understand what the benefits are.
    - ■ Let's also check if other non-core kubernetes projects are doing.
    - ■ Let's bring this up at the next scheduled steering committee meeting
    - ■ Ankita will follow up on the above.
      - ● CNCF requires compliance with at least one of the DCO or the CNCF Contributor License Agreement.
- [Alex] Introduced [CODEOWNERS PR](#)
  - ○ Currently include Per, Joe, myself
    - ■ This may be a stop-gap until we can better align with [the Operator Framework's Contributor Ladder doc](#)
      - ● If we can't align with a CODEOWNERS doc, we'll create an issue to use CNCF's prow instance.
- [Alex] Updated Operator Controller Repo Settings to include:
  - ○ Do not allow bypassing the above settings
  - ○ Should we require signoff from CODEOWNERS before merging a PR
  - ○ Follow up: Alex to check if we can require x CODEOWNER approvals before merge
    - ■ No, we can require at least one CODEOWNER approval and X number of approvals from any number of people.

- [Alex] [OLM Dev Community Calendar](#)
  - New users that joined the working group weren't automatically invited to meetings
  - Users can use the link above to find all OLM Dev Community Meetings
  - Follow Up: Alex to check if we can limit permissions to add events to OLM Dev Google Group Members
    - There's not a great way to do this without giving 1000s of people edit permissions for all events on the calendar. I propose that we allow "maintainers" of each project in the operator framework federation to manage the calendar.
  - Follow Up: Alex to rename to Operator Framework Community Meetings
    - Done
- [Ankita + Varsha] Demo on Operator controller integration with catsrc v1beta1 (PoC) API
- [jlanford] Adopt Taskfile as an alternative to Makefile?
  - https://github.com/operator-framework/enhancements/issues/126
  - Homework (if you're so inclined): https://github.com/operator-framework/operator-controller/pull/137
- [JoeH] Operator/Operand software license accept workflow in V1 (Best way to engage)? https://kubernetes.slack.com/archives/C0181L6JYQ2/p1678297144894589

March 28, 2023

Topics
- [tmshort] Discuss [OLM v1 Upgrades UX](#)
- [Daniel F] Discuss OLM v1 Release ideas
  - Easy and Frequent releases are important
  - Shared GitHub Actions may be useful for managing projects in the organization.
- [anik120] v1 upgrade channels brainstorming session meeting announcement
  - **Meeting Link:** https://zoom.us/j/5511723751
  - **Meeting Password:** 77777
  - **Meeting Time:** Wednesday March 29th 9:00-10:00am EST
- [anik120] Meeting host volunteer list

March 23, 2023

Topics
- Discuss OLM v1 Upgrades UX
- Discuss OLM WG Poll Results
  - Meeting will be moved to Tuesday 11am EST
- Demo CatalogSource v0 integration for Operator Controller
- v1 CatalogSource -> deppy -> Operator controller integration initiation meeting announcement on Friday 9am-10am EST.
  - **Meeting Link:** https://zoom.us/j/5511723751
  - **Meeting Password:** 77777
  - **Meeting Time:** Friday 9:00-10:00am EST
- Created a discussion regarding OLM V1 and multitenency
  - https://github.com/operator-framework/operator-controller/discussions/140
- Looked at https://github.com/operator-framework/operator-registry/issues/1080 and agreed that this is a reasonable request.

March 16, 2023

Canceled

March 9th, 2023

Topics
- Discuss the new timeslot for OLM's upstream meetings based on the results of [the poll](#).
- Finalize [the proposed](#) CatalogSource repository bootstrapping Milestone
- Demo Operator Controller Release workflow, ~~ready for review in~~ [~~this PR~~](#) (merged)

March 2nd, 2023

Topics
- Canceled

February 23rd, 2023

Topics
- Share [the poll](#) to reschedule the OLM Upstream Community Meeting
- Review [the proposed](#) CatalogSource repository bootstrapping Milestone

February 16th, 2023

Topics
- Review [OLM V1 Milestone 2 Distribution View](#)
- Proposal to change scheduled meeting time
  - Current meeting at 3pm EST is not friendly to our German colleagues
  - We will create a voting mechanism for a new meeting time
    - Will be shared on slack, mailing lists, etc…
    - Vote will be open for 1 week (February 23rd)
    - Results will be discussed at the following WG and Issue Triage Meeting

February 9th, 2023

Topics
- Live OLM V1 Milestone 1 Presentation by Varsha
  - See documented e2e demo [here](#)
- Review Milestone 1 board and issues

February 2nd, 2023

Topics
- Review Milestone 2 Distribution Proposals
- https://github.com/operator-framework/enhancements/issues/123

January 26, 2023

Topics
- Go over existing Milestone 2 proposals

- https://github.com/operator-framework/operator-sdk/issues/6249

January 19, 2023

Topics

- Go over existing Milestone 2 proposals
  - Discuss Per's Deppy Performance suggestion
  - Discuss Milestone 2a proposal - Distribution
  - Discuss Milestone 2b proposal - Deppy and OLM V1 CatalogSource Integration

January 12, 2023

Topics

- OLM v0.23.1 release is now available
- OLM V2 Milestone 2 Generation

January 5, 2023

Topics

- [varsha] Discussion regarding Operator Controller API and its integration with Deppy
  - https://github.com/operator-framework/operator-controller/issues/74
  - https://github.com/operator-framework/operator-controller/issues/77

December 15, 2022

Topics

- [joelanford] If there's time, I've got a cool little OLM catalogs as OCI artifacts demo I can show
  - https://github.com/joelanford/olm-oci
- [perdasilva] Discuss deppy framework + generics
  - https://github.com/perdasilva/olmcli
  - https://github.com/perdasilva/deppy/blob/olmcli/pkg/v2/api.go
- [awgrene] GitHub Requested Feedback on GitHub Projects
  - **Background:** "We are reaching because you are one of GitHub Project's most active users. As one of our most active users, we'd love to hear how we can make the new Projects even better for you." - GH Staff
  - **Suggestions:**
    - A README for the project that is not obfuscated behind a button. The lack of a README on the landing page makes it difficult for new members to know what the project is if they don't know where to look.
    - A README for each View. It would be nice to be able to communicate what each view captures.
    - Our GH project tracks the development of a project that depends on other projects with their own repositories and milestones. After defining a milestone, we generate a number of GH issues in the appropriate repository to track the milestone work. Unfortunately, many of the Issues in our project are assigned to the subproject repositories. Each of these subprojects are independently released so we did not want to force the subprojects to create milestones to track the milestones of the top-level Project. This forced us to rely on a self-contrived labeling system to link issues in these subprojects to

our project's milestone views. **It would be great if issues we created in these subprojects could be assigned to a milestone in our top level project.**

- [awgreene] Brainstorm on possible stories for [OLM V1 Milestone 2 Issue](#)

December 8, 2022

Topics

- Continue populating [OLM V1 Milestone 1 Project View](#)

December 1, 2022

Topics

- ArtifactHub.io replacing OperatorHub.io
- Issue Triage
  - Rukpak: https://github.com/operator-framework/rukpak/issues?q=is%3Aopen+is%3Aissue+no%3Amilestone
  - Deppy: https://github.com/operator-framework/deppy/issues?q=is%3Aopen+is%3Aissue+no%3Amilestone
  - Let's flesh out [this issue](#)
  - Should we enable private vulnerability reporting on our repos?
    - https://docs.github.com/en/code-security/security-advisories/repository-security-advisories/configuring-private-vulnerability-reporting-for-a-repository

November 24, 2022

Canceled for Thanksgiving

November 17, 2022

Topics

- Issue Triage
  - Rukpak: https://github.com/operator-framework/rukpak/issues?q=is%3Aopen+is%3Aissue+no%3Amilestone
  - Deppy: https://github.com/operator-framework/deppy/issues?q=is%3Aopen+is%3Aissue+no%3Amilestone
- Hackmd vs Google Docs
  - It seems that it may be difficult to discuss the OLM V1 Proposal in [hackmd](#), would it be easier to drive discussion via a google doc?
    - We've created a [Google Directory](#) that all operator-framework-olm-dev google group members have comment access to
    - We've moved the OLM V1 Proposal to google directory mentioned above

November 10, 2022

Topics
- Meeting format changes!
- Community Interests:
  -
- Issue Triage
  - OLM: https://github.com/operator-framework/operator-lifecycle-manager/issues?q=is%3Aopen+is%3Aissue+no%3Amilestone+sort%3Acreated-desc
  - Operator-registry: https://github.com/operator-framework/operator-registry/issues?q=is%3Aissue+is%3Aopen++no%3Amilestone+sort%3Acreated-desc+
  - Rukpak: https://github.com/operator-framework/rukpak/issues?q=is%3Aopen+is%3Aissue+no%3Amilestone
  - Deppy: https://github.com/operator-framework/deppy/issues?q=is%3Aopen+is%3Aissue+no%3Amilestone
- OLM V1 MVP/Milestone planning:
  - https://hackmd.io/4pY2DWZ5RIySv-bh7WOvjQ

November 3, 2022

Topics

October 6th, 2022

Topics
- Canceled due to lack of agenda items

September 22nd, 2022

Topics
- Canceled due to lack of agenda items

September 8th, 2022

Topics
- Canceled due to lack of agenda items

August 25, 2022

Topics

- Aki: [Helm provisioner demo](#)

August 11, 2022

Topics

- Canceled due to lack of agenda items

July 28, 2022

Topics

- Joe: [Improve the Local Source Type](#)

July 14, 2022

Topics

- [Joe Huizenga] PR to set a valid defaultChannel based on priority in the diff code
  a. Per some comments in the PR, it sounds like we want to move "all things diff related" out of operator-registry into oc-mirror, was hoping to get concurrence from the group that this is the direction before starting a refactoring effort
  b. https://github.com/operator-framework/operator-registry/pull/969
  c. Resolved: In the call, we decided to:
      i. Move the diff subcommand to `oc mirror`
      ii. Try and remove any model changes introduced to the opm repo
      iii. Create an issue to address removal of the opm diff command

- [Joe Lanford] 'rukpakctl run' demo

June 30, 2022

Topics

1. [Dan] New WG meeting time Thursdays 11:30-12:30ET?
2. [Jordan] Semver Veneer demo
3. [Chris] Can the e2e de-scoped document and how-to OLM, next-gen API be revamped? Key scenario I'm looking for:
   a. What does a customer's view look like in a Multi-Tenant environment with a Subscription model?
   b. MOST of our (IBM) customers want to share a cluster, having Namespaces as the tenancy model. It's not clear what the experience is for the Cluster Admin and Namespace Admin when dealing with multiple operators.
4. [lgallett] using stackoverflow for OLM questions?
5. [Bryce Palmer] How is OLM handling the OCP `Proxy` API and making the pod that serves the catalog from the `CatalogSource` adhere to the proxy vars that are set in the `Proxy` API (doesn't need to go in depth to OCP just want to know if there is something other than OLM controlling this under the hood)?

June 16, 2022

Topics

6. [Chris] Plan for fixing FBC `opm serve` on ppc64le machines?
    a. Adding pprof *[Jordan: https://github.com/operator-framework/operator-registry/pull/968]*
    b. Adding startup probe *[Jordan: https://github.com/openshift/operator-framework-olm/pull/314]*
    c. Any blockers to actually fixing? Access to machines? Can you recreate?
7. [Chris] Can someone give an overview of where RukPak and Deppy are at? How has it evolved from the initial strawman? Any details on Deppy yet?

June 2, 2022

Topics:
- [Nico Schider] **Package Operator** prototype [Rollback,Seamless Upgrades,Generic Type Handling] discussion, in the context of Rukpak APIs - 30-45min
    a. [Joe Lanford] Notes comparing with rukpak:
        i. PackageSet roughly = Bundle
        ii. PackageDeployment roughly = BundleInstance
- [Joe Huizenga] Proposal to set a valid defaultChannel based on priority in the diff code
    a. https://github.com/operator-framework/operator-registry/pull/969

May 19, 2022

Topics:
- Plain bundle metadata discussion ([doc](#))
- OLM Issue Triage Improvement discussion ([doc](#))

May 5, 2022

Topics:
1. [Anik] https://github.com/operator-framework/rukpak/issues/266
2. [Tim] Rukpak 0.4 updates
    a. Bundle ContentURL
        i. [Joe] for the plain provisioner, the bundle content URL is protected via kube-rbac-proxy, which ensures that only clients that have an RBAC binding for the bundle URL can access it. There's no immediate plan to tackle exposing bundle content outside the cluster.
    b. BundleInstance API changes
        i. Support for dynamically generating Bundles through the BundleInstance API: https://github.com/operator-framework/rukpak/pull/293
    c. Updates to the plain provisioner storage implementation (emptyDir volume)
    d. Updates to the CRD validator component
3. [Chris] OLM from OCP 4.10 poisoned catalogs block subscriptions

     a. This is working as designed, apparently. However, why does it happen more often in 4.10 and not 4.9? It seems to have gotten more prevalent…
- i. https://issues.redhat.com/browse/RFE-2801
- ii. https://bugzilla.redhat.com/show_bug.cgi?id=2076323
- iii. Nick: A fix went into 4.10 downstream to fix the determinism problem that cropped up. The fix forces the error rather than create the non-deterministic behavior.
- iv. Joe: The Operator authors should have a narrow dependency.
- v. Ben Luddy worked on this. Chris will follow-up with him to find out
  - 1. See slack.
- b. Does the poller cause CS's to go offline if the connection goes down after the CS is up?
  - i. Yes. The poller uses an AlwaysPull policy.
4. [Chris] Why do the RH CatalogSources run on Master? Should other CS providers follow suit?
   - a. [Joe] One reason is that in managed scenarios, we didn't think it was fair to make the customer pay the cost of running the catsrc pods on their infrastructure.
   - b. Tim: Will look for the original hackmd.io
     - i. https://hackmd.io/pPDP7rgbSQq3s2me3TKHsw
     - ii.

Apr 21, 2022

Attendance:
- Kevin Rizza (Red Hat)
-

Topics:
1. v2 APIs discussion
   - Cluster-scoped catalog source API – "ClusterCatalogSource" – what are the implications for users if the CatalogSource API is now cluster-scoped?
   - Embedding Bundles in the BundleInstance – removing the spec.bundleName field from the BI breaks the current workflow – is it more desirable for users?
   - Bundle immutability – should bundles be immutable? What are the implications for pivoting?
   - Generic design for deppy that would allow for different k8s distribution version constraints (based on different Kubernetes providers such as OpenShift, EKS, AKS, etc)

Apr 7, 2022

Attendance:

Topics:
1. Deppy + rukpak integration discussion
   - Pivoter: https://hackmd.io/bmGJLVp-T32H_sxgAFdwoA?view

Mar 24, 2022

Attendance:

Topics:

2. Rukpak milestone grooming (see https://github.com/operator-framework/rukpak/milestones for current and future milestones)
3. Chris: Status of Operand FBC design.
   ○ https://hackmd.io/IEYEaOYkR-eBkMQkbVrC1A?view

Mar 10, 2022

Attendance:

Topics:
4. [Tim Flannagan] Tentative https://github.com/operator-framework/rukpak demo
   ○ Looking at cutting a v0.1 release end of this week
   ○ Creating a rukpak slack channel in the k8s workspace
      i.   https://github.com/operator-framework/rukpak/issues/95
   ○ Grooming next big feature in the v0.2 milestone

Feb 24, 2022

Attendance:

Topics:
5. [Chris Johnson] Focus on a couple of simple PRs?
   ○ https://github.com/operator-framework/operator-registry/pull/900
   ○ https://github.com/operator-framework/olm-docs/pull/227
6. [Chris Johnson] Best practice for re-releasing an operator?
   ○ We have operators 1.0.1, 1.0.2, 1.0.3
   ○ We can certainly just replace them with new versions and update all catalogs, knowing that that this will only affect reinstalls/new installs and there is no upgrade path unless using substitutesFor.
   ○ How best for SREs to know which version they have installed? I was hoping to use "semver build metadata": 1.0.0+fix1, but the version needs to a valid Kubernetes object name which doesn't include +.
7. [Jonathan Berkhahn] We need active chairs.

Feb 10, 2022

Attendance:

Topics:
1. [Chris Johnson & Nathan Brophy]: Demo of OLM Catalog viewer GUI (internal, IBM skunkworks exercise)
2. [Marcin Mirecki] Feature adding some kind of dependency or order in how operator resources are deleted.
   a. We're having an issue with operator removal. Our app requires some cleanup to happen before the pods shut down. Unfortunately OLM starts deleting all resources all at once, so before our pods are done with the cleanup, the roles for the pods are already gone, so we have no permissions to do the cleanup.

Jan 27, 2022

Attendance:

Topics:
1. [Joe Lanford]: Demo proof of concept for bundle and bundle instance APIs
   a. https://github.com/joelanford/kuberpak

Jan 13, 2022

Attendance:

Topics:
1. [Chris Johnson]: Discuss Sparse File Based Catalogs (slack thread)
   a. We use a centralized catalog for all products.
   b. We would like the products to supply to our build process a Catalog with only the portions of their operators that they need to include in the catalog.
      i. They may have multiple build streams (e.g. v1 and v2). If the catalog in each build stream has only the v1.x operators, for example, we some metadata that tells us how to merge it, which means we need to add metadata to our public catalog (e.g. which `olm.package.defaultChannel` do I use? Created an EP for this.
2. [Chris Johnson]: Have some questions about the FBC Veneer doc.
   a. It's not clear to me who the producers and consumers of the veneers are. The catalog.yaml is really getting overloaded. It would be helpful to me if there were a flow diagram or example of how it interoperates with the existing fine-grained blobs (olm.package, olm,channel, olm.bundle). On the surface it seems like a "factory" for the fine-grained blobs (i.e. they become dynamic vs. static)?
3. [Aki Kuroda]: Need help to merge e2e / unit test failure PRs
   Current PR list for e2e test failure fixes
   Unit test only
   - UT - add possible error message patterns for resolve failure
     - UT - resolver " FAIL: TestSolveOperators_WithSystemConstraints"

   E2E test only
   - CSV e2e - wait for 2 pods ready before delete one pod
     - e2e "ClusterServiceVersion when a csv exists specifying two replicas with one max unavailable remains in phase Succeeded when only one pod is available" failure
   - e2e - add Eventually for config injection check
     - e2e Subscription - creation with pod config [It] fails intermittently
   - e2e CSV test - use unique name resources for each test
     - e2e "ClusterServiceVersion when a CustomResourceDefinition was installed alongside a ClusterServiceVersion" test failures
   - fix e2e config map update triggers registry pod rollout failure
     - e2e config map update triggers registry pod rollout failure
   - InstallPlan wait for condition update
     - e2e failure Install Plan when an InstallPlan is created with no valid OperatorGroup present

- - **wait for catalogsource pod deletion**
    - ○ **"Catalog represents a store of bundles which OLM can use to install Operators config map update triggers registry pod rollout"**

  Runtime code change
    - ● **recover nil GRPCConnectionState by update failure**
      - ○ **e2e - Operator Group intersection failure**
    - ● **put mutex around installplan creation**
      - ○ **e2e Subscription "with starting CSV" error**
    - ● **add OperatorGroup reconciliation**
      - ○ **e2e InstallPlan failed on installplan_e2e_test.go:3242 "should clear clear up the condition in the InstallPlan status that contains an error message when a valid OperatorGroup is created"**
4. [Alex] Discuss OLM v0.20.0 release
   a. It had been a very long time since an upstream version of OLM has been released.
   b. In an effort to cut a release, some features were bumped to v0.21.0
   c. We should define an Upstream release process
      i. An issue tracking this work can be found here: https://github.com/operator-framework/operator-lifecycle-manager/issues/2569
   d. [chirs] Make sure this process relates to other OF project such as registry
5. [Chris] I would appreciate it if Developers would volunteer topics that they are working on so these features are more visible.
   a. [Joe] We are focused on making our development more GitHub centric.
   b. [Per] Created an OLM team on HackMD: https://hackmd.io/@of-olm

Nov 18, 2021

Attendance:
Topics:
- ● [Per da Silva] I'd like some closure on #2452
  - ○ Per will revisit this feature to address feedbacks from the meeting
- ● [Per da Silva] I'd like to review some of my Deppy ideas in here (just up to the horizontal line - although feedback on the appendices is also welcome =D)
  - ○ Please take a look at the linked HackMD and comment/give feedbacks
- ● [Chris Johnson] Discussion on opm render for FBC and compatibility with PackageServer, and the requirement for olm.bundle.object. Seems like we need a flag to include the objects.
- ● [Chris Johnson] Status on new opm FBC veneer? I'm writing my own and don't want to duplicate things too much.
  - ○ Very notional: https://hackmd.io/ixIuRBNURV-7K4C1aGkzxQ
- ● [estroz] handling old 'olm.{gvk,package}.required' with new 'olm.constraint' on bundles
  - ○ Bundle backwards-compatibility vs. principle of least astonishment

Nov 4, 2021

Attendance:
- ● Chris Johnson (IBM)
- ● Aki Kuroda (IBM)
Topics:

- [Chris Johnson] Discuss status Operand Tenancy and RBAC via RBAC Manager and the proposed [Feature AP in Maestro](.).
  - How do we plan for the future and design our operators so they can utilize the old and new mechanisms in parallel?
  - How can controllers be built to use old and new:
    - WATCH_NAMESPACES
    - Feature Enablement API?
      - Nick:
        - Operators watch FeatureBindings
        - Look at the Combo project.
          - https://github.com/operator-framework/combo/
          - A generalization of what FeatureBinding/Maestro would be doing.
          - Some examples of combo usage
    - Discovery via RBAC changes using SubjectAccessReview API?
    - Will Ansible operators be able to take advantage?
- [ecordell] Decisions on enhancements from last meeting?
  - optional manifests (Frederic)
  - generic constraints / cluster constraint (Vu)
  - compound constraints (Eric)
- [Chris Johnson] How best to deal with multiple "curated catalogs"?
  - With the new File Based Catalog and the new opm alpha diff, customers can more easily create multiple catalogs with overlapping snapshots of packages and versions.
  - What's the right way for customers to build Curated Catalogs that may overlap?
    - Do they need to use a singleton CatalogSource and continually merge it?
      - E.g. mycompany-catalogsource
    - Do they need to manage their Subscription CS references? (can a Subscription's CatalogSource be updated?)
  - Example:
    - Catalog A:
      - A, v1.0.0 (olm.package C >=2.0.0)
      - C, v2.0.0
    - Catalog B:
      - B, v3.0.0 (olm.package C >=2.1.0)
      - C, v2.1.0
    - Two different CatalogSources: CSA and CSB
    - Subscription created for A which results in:
      - Subscription A: CSV A v1.0.0, CSA
      - Subscription C: CSV C v2.0.0, CSA
    - Subscription later created for B which results in:
      - Subscription B: CSV B v3.0.0, CSB
      - Subscription C?
        - CSA doesn't contain 2.1.0
        - Subscription C doesn't dynamically change to CSB.

Oct 21, 2021

Attendance:
-

Topics:
- [Joe Lanford] Operator uninstall when operators include conversion webhooks breaks clusters unless CRDs (and thus operands) are also deleted.
- [Frédéric Giloux] related to Chris Johnson's proposal on optional dependencies but not exactly the same scope: optional manifests
- [Vu Dinh] Generic constraints [1] and cluster constraints/properties enhancement proposals [2]
- [estroz] compound dependency constraints EP is up.

September 23rd, 2021

Attendance:
-

Topics:
- [Chris Johnson] Initial socialization of a proposal for defining optional and recommended dependencies and consumption of those dependencies.
    - Will create two specs:
        i. Dependency Declaration and Client Consumption
            - Discover current clients.
            - Understanding right terminology
        ii. API and for the resolver to identify CatalogSources, Packages and Channels by the Dependency and provisioning spec (much like an InstallPlan)
            - How to turn a Dependency into a Subscription
            - How to properly Provision a Subscription.
            - Maybe: Extend the subscription to include packages to include.
- [Vu Dinh] Cluster runtime constraints proposal: https://github.com/operator-framework/enhancements/pull/91/files
- [Evan] Update from gini maintainer
- [Anik] Building and maintaining plaintext backed Catalogs

July 15th, 2021

Attendance:
- Daniel Sover (Red Hat)
- Joe Lanford (Red Hat)
- Joe Huizenga (IBM)
- Chris Johnson (IBM)
- John Hunkins (IBM)

Topics:
- [John Hunkins]:
    - https://github.com/operator-framework/enhancements/pull/87
    - This enhancement proposal is actively being implemented and would like to get a blessing on this proposal and if time go through what's been done to date.
    - Notes:
        - For status, add the normal array of conditions that most other operators use
            - Use annotation for input
            - Use new standard Conditions for status output (need to add to CRD)
        - NO NEED to Increment the version to v1alpha2 since we are adding new fields.

- - - Verify that we handle conflicts when updating the status subresource from a separate controller (don't erase other status)
      - Evan: Look at openshift-sdn, as it does this sort of thing for networking info for pods.
    - Look at using the adoption controller to simplify creating the secondary controller.
    - How to test for actual kube version changes without requiring cluster upgrades?
      - Joe L: Things there is something in the helm testing framework to do that. https://github.com/operator-framework/operator-sdk/blob/fb2a657790697585e6da00abd98ba68a4bc491fb/internal/plugins/helm/v1/scaffolds/internal/templates/config/rbac/manager_role_test.go#L84-L90
    - Action: John to update the EP with these notes and poke #olm-dev to take a look.   Goal is to have an implementation PR in a week or two.
- [chris] Would like an overview of what's new and usable for either testing or production in recent/upcoming OPM/OLM releases including OpenShift:
  - Declarative Index: looks to be available upstream in 1.17.5 (opm alpha [render, serve, init, validate])
    - Moving to GA in 4.9, likely OPM 1.18.
  - Substitutes-For
    - Stays in alpha mode because of declarative index will supercede it. Will disappear when sqlite goes away.
  - Improved status for subscriptions
    - Recent changes are continuing to come in to aggregate status changes.
  - Improved installplan retries for transient errors
    - Retrying by default for all errors. Default timeout is 1 minute
    - There is a flag on the catalog operator on startup.
  - Bundle properties.yaml
    - Name of the file doesn't technically matter, however it Should be named consistently.
    - Can only have one.
  - olm.maxOpenShiftVersion label (how about maxKubeVersion?)
    - Only used to stop upgrade
    - This is not part of the resolver.
  - Deprecate bundles/channels (seeing some additional PRs here)
    - Fixes bugs in the deprecatetruncate command.
    - This is likely most useful with the declarative configuration feature.
    - The underlying plumbing is there, but no UX integrations yet.
  - relatedImages and skips now retained in ClusterServiceVersion
    - Joe: It looks like this made it downstream in 4.8
      - https://github.com/openshift/operator-framework-olm/blob/release-4.8/manifests/0000_50_olm_00-clusterserviceversions.crd.yaml#L4533

July 1st, 2021

Attendance:
- Chris Johnson (IBM)
- John Hunkins (IBM)
- Jesus Rodriguez (Red Hat)
- Nick Hale
- Alex

- Camila Macedo
- Dave Gordon
- Jeff Antes
- Joe Lanford
- Jayaram Ashokraj
- Kevin Rizza
- Evan Cordell
- Dan S.

Topics:
- [jhunkins] Catalog template enhancement
  - https://github.com/operator-framework/enhancements/pull/86
    - Enhancement proposal based on:
      - https://github.com/operator-framework/operator-lifecycle-manager/issues/1769
      - https://issues.redhat.com/browse/OLM-2011
  - Minutes:
    - Nick Hale:
      - Concerns over expanding the OLM APIs. Would like to consider instead expanding OV (openshift) to do this through an OCP-specfic mechanism.
        - Chris: This mechanism would work on vanilla Kubernetes.
      - Looks similar to the OCP template API, but narrower scope.
      - Features and feature bindings may be able to do something similar.
    - Evan Cordell:
      - We want one catalog per Kube version.
      - Understands that this problem is a gap.
      - The ideal solution to do Declarative Configs to handle catalogs of catalogs, leveraging the next-generation bundle API.
      - Seems like a reasonable stop gap solution
      - Future/Next Step: Look at an Index bundle.
    - Kevin Rizza:
      - Similar concerns about doing this in OLM vs. downstream.
    - John Hunkins:
      - Mentioned the code freeze deadline in late July for OCP 4.9
    - Dan:
      - Concerned about lack of support for digest based catalogs.
    - Kevin:
      - Consider the OperatorHub API that describes this mapping
      - Something like an OperatorSource? Maybe for V2?
    - Joe/Kevin/Evan:
      - What if we instead had custom controller that runs on the side? Like a Helm Operator?
    - Dan:
      - Sounds like we could build on the "more intelligent catalog polling" feature
    - Kevin:
      - Thinks this is reasonable.
      - Making sure that implementing this makes sense with the other APIs and doesn't create technical debt to overcome.

- Concerned about a few rough edges.
- Things to update in the EP:
  - Looks a lot like openshift.
    - Remove all the OCP specific information.
  - Create a new controller in the catalog operator.
  - Keep the kube version, but toss everything else (OLM version won't be accurate)
  - Move the image template spec to the annotation.
  - Consider re-using the code from OperatorHub which has a similar annotation based templating option.
    - Evan:
      - Strongly want to to look using OCP's Tempalte API to see if we can use this as a CatalogSource Factory.
    - Will take this to slack.

June 17th, 2021

Attendance:
-

Topics:
- [njhale] [rukpak repo](#)
  - Work started on Bundle API prototypes
    - [PR: common resource structs](#)
    - "k8s bundle" provisioner
    - diverging paths for surfacing bundle content
      - aggregated api subresource
      - persistent volumes
      - non-k8s-native API (operator-registry gRPC style)

  TODO: (njhale) share the doc and further information to the group in k8s slack
- [cdjohnson] Design for binding Operand namespaces?
  - Still thinking of Maestro? https://hackmd.io/mwY2A7V4RjOLbetL--Uk-w
  - Continue to leverage WATCH_NAMESPACES for contract with the Controller?
- [lgallett] DC migration - what happens if my CI depends on say the production red hat operator index (to test adding to it for example) and this index migrates to DC: my entire CI is now useless and I have no path forward.

June 3rd, 2021

Attendance:
-

Topics:
-

May 20th, 2021

Attendance:
- Tim Kaczynski (IBM)
- Kevin Rizza (Red Hat)
- Chris Johnson (IBM)
- Joe Huizenga (IBM)
- Piotr Godowski (IBM)

Topics:
- [Joe Huizenga] What is the best way to locate resources in a cluster that were provisioned by OLM? Ok to use 'olm.owner.namespace=<ns where installed>' Gen2 use same labels?
    - From Vin:
        - You can query Operator API object via kubectl get operator. In the status, you should see the list of resources that are associated with that specific operator. Each resource should have a component label that looks like this operators.coreos.com/<operator-name>.<operator-namespace>:"".
- [Joe] Possible to run a catalogSource pod using the `restricted scc`?
    - Joe will create a bugzilla against openshift and an issue against operator-registry to support non-root user and rebuild the OpenShift Markeplace to also use that when building it's catalog images. We also need the downstream opm handle this.
- [Joe] Types of resources included in the bundle/manifest directory? Can I add a **consolequickstart?**
    - Current set of supported resources: https://github.com/operator-framework/operator-registry/blob/0153d70697d81470dcdbf66926bd3083cc41178a/pkg/lib/bundle/supported_resources.go
- [Piotr] Discuss Automatic/Manual Side effects: https://github.com/operator-framework/operator-lifecycle-manager/issues/1355
    - Stories w.r.t. New APIs: https://hackmd.io/X6Tclfn2QWCSERSTudds7Q#Stories (note that this is against 0.4, latest iteration is 0.6.2)
    - TODO: Joe L. will create a v1 milestone in operator-lifecycle-manager to target some of these issues that should be fixed in the next-generation API (gen2)
        - https://github.com/operator-framework/operator-lifecycle-manager/milestone/5
- [Michael Cheng] How does OLM detect persisted versions? What can cause errors?
- Declarative Config (init and render) commands
    - https://github.com/operator-framework/operator-registry/pull/661

May 6th, 2021

Attendance:
- Kevin Rizza (Red Hat)
- Daniel Sover (Red Hat)

Topics:
- [ecordell] deppy
- [Chris] Backup/Restore
- [John] Next steps for OLM issue 2069

April 8th, 2021

Attendance:
- Chris Johnson (IBM)

Topics:
- [Chris] - Still not clear to me on why multi-namespace OperatorGroups are sort-of deprecated in OpenShift.

  - Related Slack Thread: https://kubernetes.slack.com/archives/C0181L6JYQ2/p1616792176035300
  - Reason given last time was problems with multi-instance support around ConversionWebHooks, which really affects all modes but AllNamespace.
  - Other reasons? We are likely going to adopt this or a version of this (OwnNamespace + custom WATCH_NAMESPACE support in NamespaceScope operator) for our products and will need this to work.
  - Note: We are trying to build CRDs that do NOT require ConversionWebHooks to avoid problems. Some operators have actually built their own CWH installers to make sure that the latest CWH operator instance is bound to the CRD.
  - We really need some path forward for multi-instance operators
  - Evan:
    - Doesn't work with the Kuberentes watch connections. It doesn't give you a way to watch multiple namespaces (a set).
      - It's an API server limitation. Each namespace watch requires a separate watch connection, which is expensive.
      - The Ansible operator has the same problem.
    - Scoping dependency problems. You need to make sure everyone honors the WATCH_NAMESPACES mode the same way.
  - Eric: Recommend using an AllNamespaces scope operator.
    - This is a scaling problem.
    - Instead, encode this logic in the operator itself.
    - Better to configure an operator for AllNamespaces / Global List Watch
    - TODO: Create an ENV variable that allows configuring a Predicate that performs a filter on the incoming events by namespace rather than a connection per namespace.
  - TODO: Evan to create a document where we can collect some of the use cases we're seeing from customers.
- [John]

- - https://github.com/operator-framework/operator-lifecycle-manager/pull/2069
    - Needs secrets added and then ok to test label
      - Thanks Vu for the ok-to-test
    - Secrets
      - https://github.com/operator-framework/operator-lifecycle-manager/pull/2069#issuecomment-814131721
    - there are github actions for downstream bits becoming available. https://github.com/marketplace/actions/openshift-tools-installer
    - ■
  - https://github.com/operator-framework/operator-registry/pull/605
    - Think this is mergeable
      - Thanks Vu for the /approve

March 25th, 2021

Attendance:
- Tim Kaczynski (IBM)
- Kevin Rizza (Red Hat)
- Jesus Rodriguez (Red Hat)
- Chris Johnson (IBM)
- John Hunkins (IBM)
- Nathan Brophy (IBM)
- Jon Dockter (IBM)
- Jey Ashokraj (IBM)
- Evan Cordell (Red Hat)
- Nick Hale (Red Hat)
- Camila Macedo (Red Hat)
- Joe Lanford (Red Hat)
- Daniel Sover (Red Hat)

Topics:
- [Chris] - Right way to change the "default" serviceAccount for the Ansible Operator scaffolding in the operator-sdk?
  - https://github.com/operator-framework/operator-sdk/pull/4653 - pr where the serviceAccount RFE was merged for Helm/Ansible as well.
  - cmacedo:
    - All files are in the config/
    - When you create an api with sdk create api the CLI will update the config.
    - Make build looks at the files in the config. See that the CRDs/kinds are added in (e.g here)
    - The doc https://master.sdk.operatorframework.io/docs/overview/project-layout/ can help you understand the layout. So, if you only use the CLI or add things on top in the same places/at the same way. The make bundle will be generated using that as well.

  - ○
- [Chris / Aidan] - Is there a flow diagram that shows how OLM is supposed work from Subscription to InstallPlan to CSV, etc? Although I've figured this out through conversations, various design docs and debugging/watching, I feel a bit surprised at times.

- - Current issue: We have an InstallPlan that's in Failed state. When the OCP UI says it's "Failed" with no description why, we look at the status, but the status isn't always updated, and it's not obvious if we can fix a problem, and then restart the process at some point.
    - Too often, we have to delete the operators completely and restart it and hope they can re-own their operands.
    - [OLM-2114](#) - retry failed installplans will help
- [Chris] - What to watch out for with multi-namespace OperatorGroups?
    - The OCP UI handles some aspects of muti-namespace OperatorGroups that may allow us to use that vs. our NamespaceScope operator (follow-up from last week's call)
    - The OCP docs clearly state that this mode should not be used. Thinking of:
        - Singleton Operators (one per cluster)
        - Tenant Singleton Operators (one per tenant)
        - Policies where APIs never break. If APIs break, introduce a new operator.
    - Building a mult-namespace/tenant prototype to find all the sharp edges.
- [Chris] - Feature status - On track for OCP 4.8 timeframe?
    - Declarative Index
        - https://github.com/operator-framework/operator-registry/pull/601
    - Deprecated Channels/Bundle support (was yellow)
- [ecordell] [rukpak](#)
- [njhale] [Super-WIP strawman OLM UX](#)

March 11th, 2021

Attendance:
- Chris Johnson (IBM)
- John Hunkins (IBM)
- Nathan Brophy (IBM)
- Joe Huizenga (IBM)
- Jeyaram Ashokaraj (IBM)
- Nick Hale (Red Hat)
- Vu Dinh (Red Hat)

Topics:
- [Nathan (IBM)] -- SCC transparency for Operators and Operands.
    - How do we define metadata in OLM for a custom SCC at the operator and operand (CR application) level, so that OLM will create the SCC and bind it to the correct service account?
    - Note: Related to PodSecurityPolicy (PSP). Currently OLM doesn't support this type of resource as it can't be included in the bundle. However, even if the PSP is included, it will not be a simple `kubectl apply`. Depending on the use case, PSP will be handled differently.
- [Chris] Merge readme.md update to deprecate initializer and registry-server?
    - https://github.com/operator-framework/operator-registry/pull/587
    - Vu Dinh will manually merge. There is a CI problem right now.
- [John] Handling skips and relatedImages in CSV when properties don't exist
    - https://kubernetes.slack.com/archives/C0181L6JYQ2/p1614986093022600
    - https://github.com/operator-framework/operator-registry/blob/master/pkg/registry/csv.go
- [John] Creating release for api repo
    - Vu will make a new release.

- [Chris] Multi-Persona Workflow design? Operator approval flow?
  - OLM-1786
  - OLM-1781
  - Nick Hale: Will share the strawman docs on this particular set of Epics
    - olm revamp strawman
      - we're trying to make OLM super generic and extensible
      - link to approval mechanism
        - just defines the interface
    - original epic (out of date), but includes some early thoughts on how a concrete approval flow (android style permissions) could work

February 25th, 2021

Attendance:
Topics:

February 11th, 2021

Attendance:
- Chris Johnson (IBM)
- John Hunkins (IBM)
- Kevin Rizza (Red Hat)
- Jesus Rodriguez (Red Hat)
- Jeyaram Ashokraj (IBM)
- Daniel Sover (Red Hat)
- Jeff Antes (IBM)

Topics:
- [Dan] Organizing feature delivery and subprojects brainstorming
  - Track via github projects and milestones
  - More transparency on the OLM side
  - Roadmap and road to 1.0
- [Chris] Multi-Arch Operators and Catalogs.
  - https://bugzilla.redhat.com/show_bug.cgi?id=1917522
  - How to best design catalogs and operators for single-arch vs. multi-arch clusters and air-gapped environments?
    - Largely abandon image manifest lists (all or nothing for air-gap)
    - One catalog index image per architecture with an optional manifest list
    - Use single-arch image references for Operator and Operands.
- [Chris] How best to evolve operators when Kube APIs start disappearing?
  - Use spec.minKubeVersion
  - Use spec.apiservicedefinitions.required ?
    - Is this the right way to handle CRD versions?
  - Use Kube-Version-Specific catalogs to constrain the graph?
    - Now we have the kube version and architecture catalogs.
  - Adding a new requirement in a channel results in the entire channel being poisoned.
    - 1.0.0 requires apiextensions.k8s.io/v1beta1

- 1.0.1 requires apiextensions.k8s.io/v1
  - Is this valid?

January 28th, 2021

Attendance:
- Chris Johnson (IBM)
- John Hunkiins (IBM)
- Jesus Rodriguez (Red Hat, SDK)
- Jeff Antes (IBM)
- Kevin Rizza (Red Hat)
- Daniel Sover (Red Hat)
- Evan Cordell (Red Hat)
- Ankita Thomas (Red Hat)

Topics:
- [Dan] Upstream feedback/retro
- [Dan] Github issue triage improvements
- [Dan/Kevin] Upstream release governance hackmd
- [Chris] OPM Content Management Features PR Status? Anik?
  - There are a LOT of good things in here: Should we close and create a new one? Clean it up?
  - Chris: Proposal: Triage these during our normal issue triage meetings.
- [Chris / Jeff A.] opm index deprecatetruncate next steps.
  - Would like guidance/doc on how we are expected to deprecate bundles, channels, packages for each of the package graph styles.
  - Enhancement: https://github.com/operator-framework/enhancements/blob/master/enhancements/deprecated-bundles.md
  - PR: https://github.com/operator-framework/operator-registry/pull/397
  - Evan: This is not be used in OCP at all.
    - Useful when deprecating versions WITHIN a channel.
    - Look forward to the declarative index as a way to solve this in the future.
    - Some code is available to enable this in the future. See: https://github.com/operator-framework/enhancements/pull/61/files?short_path=35329ed#diff-35329edd25230803db910573dfb5e918d7e272c71d481f40c8b498e3f5a246c6
    -
- [Chris] Is semver and semver-skippatch fixed in OCP 4.6.x images?
  - https://github.com/operator-framework/operator-lifecycle-manager/issues/1771
  - https://bugzilla.redhat.com/show_bug.cgi?id=1889388
  - Kevin: This is supposed to be in 4.6.latest. Chris should try harder to make sure the builder and runtime images in the index are the same and latest.
  - Chris: Post Meeting: Looks like the fix is not complete. Added comment to the OLM issue 1771
- [Alex] Developer / Contributor Documentation PR
  - https://github.com/operator-framework/operator-lifecycle-manager/pull/1978
  - On vacation but adding new content as I can
- [evan] explicit properties enhancement
  - https://github.com/operator-framework/enhancements/pull/61

January 14th, 2021

Attendance:
- Alexander Greene
- Joe Lanford
- Tim Kaczynski
- Jeff Antes
- Nathan Brophy
- Nick Hale
- James Hewitt
- Daniel Sover
- Jeyaram Ashokraj
- John Hunkins
- Ankita Thomas
- Evan Cordell
- Joe Huizenga
- Dan Geoffroy
- Haseeb
- Jon Dockter
- Vu Dinh
- Eric S
- Jeff McCormick
- Kevin Rizza

Topics:
- [Alex] Operator Framework Onboarding Docs
    - OLM User documentation site: operatorframework.io
    - OLM Dev documentation: Olm github repository: /docs
    - Ensure Slack channel is easy to find
        - TODO:
            - Add to Developer Documentation - DONE
            - Add to olm.operatorframework.io - PR
            - Add to Google Group - DONE
    - PR: https://github.com/operator-framework/operator-lifecycle-manager/pull/1978
- [Alex] Operator Framework now has a Youtube Channel
    - https://www.youtube.com/channel/UCxRfXpCVxnotoSGxEpB1hwA
    - Will include SDK and OLM upstream recordings (WG, Feature Planning, Backlog Grooming, Demos, etc..)
- [Ankita] Upstream/downstream split of OLM repositories
    - Enhancement Document: https://github.com/operator-framework/enhancements/blob/master/enhancements/upstream-downstream-repository-split.md
    - Release Cadence Document: https://hackmd.io/s/By92muggO, https://github.com/operator-framework/operator-lifecycle-manager/pull/1812
- [Chris] Status of issue 330 (setDefaultChannel on index). Was scheduled in OCP 4.7 timeframe (February)?
    - Note: NOT having this is forcing us to directly modify the database, which seems to work.
    - In the master OPM branch

- - [Evan] The concern was that the most recently added bundle would rewrite the default channel.
    - [Vu] Nowadays, if the default channel is not specified in the bundle, the existing default bundle is still default.
    - [Joe] What happens when the highest semver package does not define a default channel?
      - [vu] The highest semver bundle that defines the default channel will define the default channel.
      - This behavior is defined in the CLI
    - [Joe] What happens if no bundles in a package define a default channel.
      - [Nick H] This is only valid when a single channel is defined in the package. This is an invalid state if multiple channels exist.
    - [Joe] What happens if there is no default channel defined and the package contains multiple channels
      - [Vu] The default channel is set to the channel that appears first in the list when ordered alphabetically
    - TODO: Create a doc
    - [Joe Huizenga] Is there going to be a cli feature where you can set the default channel via the CLI
      - [Vu and Nick] No plans right now.
      - [Vu] there are already many flags on the CLI tool
      - [Jon Dockter] This might be related to the declarative index
        - [Nick]
      - [Joe Huizenga] James, you always want the CSV with the highest semver to be the default channel?
        - [James Hewitt] We don't particularly care, I feel that the declarative index will be more useful. The idea of having a catalog built from a declarative list is more useful. To the original question I can't see any problem with the default channel version being associated with the channel defined by the highest CSV.
      - TODO- Comment on the issue
- [Chris] Status of Developer Bootstrapping Workshop?
  - [James] If we can update the doc and get a bunch of eyes on the PRs we can make significant improvements to the onboarding
  - [jhunkins] Can we get a tour of the codebase?
    - [Alex] Certainly in docs, could also use one of our upstream meetings to do this live.
    -
- [Chris/Jey] Status of OLM PR 1864 , PR 1817
- [Joe] Question on the Declarative Index Enhancement
  - [Kevin] Targeted at the 4.8 release

December 17th, 2020

Attendance:
- James Hewitt
- Tim Kaczynski (IBM)
- Chris Johnson (IBM)

Topics/Notes:

- [Alex & Chris] Discuss scheduling a short workshop to help new developers onboard to contribute to api/olm/registry… projects.
  - IBM is starting to focus on OLM/Registry Code and hope to assign a few devs to provide contributions to the projects. Would love a workshop that would help onboard new contributors, define best practices, etc..
    - Have already submitted a few e2e tests, but limited understanding on the CI framework and the architecture between the OF projects
    - 1 - 2 hour recorded bootstrap session
  - Eric -would like to see up-to-date arch docs, good go docs, high level overview of project, pointers of where to start, etc…
  - TODO: Alex creates initial onboarding doc
  - TODO: Host early January onboarding call
    - Topics:
      -
- [Alex] Discuss Holiday impact on remaining December OLM Community Meetings
  - Cancel remaining December meetings
- [ecordell] Preliminary look at descoping plans
  - https://hackmd.io/wVfLKpxtSN-P0n07Kx4J8Q?view

December 3rd, 2020

- [estroz] make more minor releases of the api repo, not patch releases
- [ecordell] PSA: https://github.com/operator-framework/operator-registry/pull/530
  - Note: Investigate github actions as an alternative for builds
  - There is an action that will run commands in any arch: https://github.com/marketplace/actions/run-on-architecture#supported-platforms
    - No host support for s390x or ppc64le
- [Alex] Should we:
  - Request that the agenda be updated Wednesday day before the meeting
    - Could send an email Wednesday morning requesting that topics are submitted
  - Cancel the meeting on Thursday Morning if the agenda is blank
- [James] Status update on the scoping work?
  - [Evan]: Could not make progress last week, hopefully an update next week

November 19th, 2020

- Cancelled due to Kubecon

November 5th, 2020

Meeting link: https://zoom.us/j/5511723751
Password: 77777
Proposed Agenda:
- Chris: Follow-up on discussion on Operator Scopes?
  - Slack channel discussion?

October 22nd, 2020

Proposed Agenda:

- Chris: How best to protect privilege elevation for Subscription creators?
  - https://github.com/operator-framework/operator-lifecycle-manager/issues/1824
  - Core issue: any namespace admin can create a subscription (OCP default?)
  - Subscriptions probably should be limited to only cluster admins? Because it's a namespace scoped resource, folks may be incorrectly thinking that the Operator that's created by that subscription is limited to the same privileges as the user creating the subscription.
  - Alex:
    - Agree. This is a privileged operation that should be reserved for cluster admins
    - OperatorGroups can specify a serviceAccount who's RBAC will be used to install the operator: https://olm.operatorframework.io/docs/advanced-tasks/operator-scoping-with-operatorgroups/#scoping-member-operator-permissions
- Chris: OperatorGroups: Next generation?
  - Downstream only shows "Own" and "All" namespaces
  - Evan: OperatorGroups aren't great but we have no better mechanisms at the moment
  - Nick dug up previous discussions on more exact OperatorGroup issues
    - High-level Problem Thoughts Slides
    - Some problems and strawman designs
  - Evan used to like single namespace, but once k8s added more features (inc conversion webhooks) at cluster scope, it becomes complicated.
- James Hewitt: Thoughts on API management
  - I'm thinking that Controller packages and API packages should be decoupled
  - This could make the lifecycle more straightforward
  - Developers have a more obvious way to understand the impact of API version management
  - From an OLM perspective:
    - API packages have no scope - they are all cluster scoped
    - API package used to deploy the CRD and any conversion webhook
    - Controller packages are scoped to what namespaces they have permissions in and what they watch.
    - Controller package depends on an API version, allowing OLM to ensure the API level is supported. OLM can make sure we have the right versions available (can't upgrade controller until there's a new enough API package. Can't upgrade API package if a controller depends on a version being removed).
  - From an SDK perspective:
    - API package would be in a different go module, easier to pull in to other consumers of the API, used to generate the CRD and includes code for the conversion web hook.
    - Controller package would consume the API package, includes the controller and permissions for the controller to work, includes any admission/mutating hooks.
  - Chat:
    - Daniel Sover : Bundle with CRDs and no CSV would not pass validation

- ■ Evan Cordell : ^ I think we'd have a CSV, it would just provide the conversionwebhook (Only)
- ■ Kevin : +1
- ■ Kevin : This is really similar to an existing pattern which is the "operator of operators"
- ■ Haseeb : Worth outlining how this impacts an operator SDK developer's workflow as well. I guess you have all the pieces to package an API and a controller operator separately.
- ■ Vu Dinh : On Dan's point, I think right bundle validation doesn't complain if CSV is not included at least that's how I wrote it I think. However, it will certainly cause issues when the bundle is being added into the index.
- ■ haseeb : For the Kubebuilder community use case, the separation of the controller operator and API operator model would have to make sense in the absence of OLM as well. Which I think it kind of does.
- ■ James Hewitt-Thomas : Agred
- ■ Evan Cordell : In that scenario I think you would not claim the api package could be installed at the namespace scope
- ■ Nick Hale : they have selectors I thought

October 8th, 2020

Meeting link: https://zoom.us/j/5511723751
Proposed Agenda:
- ● Dan: Simplify bundling an operator (aka CSV-less bundles) - what does the community think?
  - ○ https://github.com/operator-framework/enhancements/pull/29
  - ○ Goal: Simplify building bundles by breaking up the CSV object and allow individuals to build the Bundle without including a CSV.
  - ○ **CSV Feedback from the Community:**
    - i. James Hewitt
      - ● Confusion around the Half-Generated and Half-Modified nature of the CSV. The SDK generates some of the fields but typically requires additional feedback. Without the CSV, it becomes easier for users to understand what they can rely on the CSV to generate and what they need to manually add.
        - ○ Items that the CSV generation fails to add (because there's nowhere to get it from really):
          - ■ Related Fields
          - ■ Description of the CSV
      - ● Placing fields on RBAC explaining why roles are granted to the operator helps customers understand why the operator needs the permission.
      - ● Another benefit of breaking down the CSV would be the (potential future) ability to mark some RBAC as optional. Allowing users to limit what an operator does.
      - ● ^ Think of Android style permissions system
    - ii. Chris
      - ● Related Images is going to be masses, will exceed allowed object store size
    - iii. Joe Huizenga

- - RBAC in the CSV isn't ideal as well. These resources are generated when the CSV is processed. Allowing us to split these resources up and placing it in the manifests dir is a huge plus.
    - If some features drive the ui experience it might not need to be in the CSV
  - Dan: Take a helm chart - is there interest in having a simplified type of object that OLM can manage that is a stripped down version of a CSV.
    i. James Hewitt
      - Unsure how much of the CSV is actually needed (expects most of it!)
    ii. Joe Lanford
      - SDK CSV generation in 1.0.0 has improved significantly.
      - Most of the k8s resources defined in the CSV can be generated
      - Provides a base kustomize CSV that you can set manually values
- Pam: Discuss security concerns around OLM clusterRole - significant cluster privileges
  - https://github.com/operator-framework/operator-lifecycle-manager/issues/1685
  - OLM allows users to limit RBAC permissions on operators it installs: https://olm.operatorframework.io/docs/advanced-tasks/operator-scoping-with-operatorgroups/#scoping-member-operator-permissions
  - Evan: OLM does not create RBAC when reconciling a CSV because it was assumed that Cluster Admins
  - Android permissions RFE
- Chris: Understand the OLM Webhook integration and how certs are issues without cert-manager
  - I think it works like this:
    i. OLM generates a 2-year self signed CA cert for itself.
      - **Alex: Yep**
    ii. For each WebHook that's installed, it generates a CA-Signed cert for the webhook server and serves that.
      - **Alex: This is partially correct - OLM generates a Self Signed CA Cert for each deployment that includes a webhook. If multiple webhooks exist on a deployment, then all webhooks in the deployment use the same CA.**
    iii. In the MutatingWebookConfiguration, it adds the CA cert to the CA Bundle, and that's how Kube authenticates the webhook endpoint.
      - **Alex: Applies to validatingWebhookConfigurations and ConversionWebhook definitions in CRDs as well.**
  - How does rotation work?
    i. **OLM performs periodic checks against the CSV timestamp**
      - https://github.com/operator-framework/operator-lifecycle-manager/blob/836d8441209501c4ee2b8a2dc4be3374bf3b9ea4/pkg/controller/operators/olm/operator.go#L1567
      - https://github.com/operator-framework/operator-lifecycle-manager/blob/836d8441209501c4ee2b8a2dc4be3374bf3b9ea4/pkg/controller/install/certresources.go#L210
  - Can cert-manager be used instead of self-signed? The kubebuilder docs of course talk about cert-manager, so a lot of folks get confused.
    i. **Alex: We have discussed moving Cert manager but haven't committed to doing so yet.**
    ii. Action: Add more details here?
    iii. Delegate Cert Generation/Rotation RFE
  - Evan: Can we discuss why self-signed certs are not sufficient

- i. Chris:
  - Customers are demanding "Bring your own Cert"
  - want a CA to be bound to a namespace or workload instance which allows you to do endpoint based authentication
  - The industry in general is moving more towards zero trust CAs
  - Outsourcing this to an outside service that provides policy based scoped reduces this work
  - "All TLS certs are signed with the corporate CA"
  - The more we get into these very large customers around compliance and governance is
    - Cert administrator, DBA, Docker Admin, etc..
    - Arbitrary rules
    - Lots of knobs required to satisfy requirements
- ii. Joe Lanford: Which version of TLS also pops up, Crypto apis, etc…
- iii. Joe Huizenga:
  - Kubebuilder based project generates different outputs than required by the CSV.
  - Allowing users to choose their cert manager system makes it much easier for cluster administration.
- iv. Evan:
  - Lots of benefits associated with moving this out
  - OLM implementation is very naive, no cross signing, no revocation, other solutions have this stuff sorted already so why not use them?
- Jey: e2e test failure - it appears that 'quay.io/operator-framework/configmap-operator-registry:latest' is crashing, posted a message in slack [#olm-dev](#)
  - Attempted to add a e2e test case
  - Action: Jey to create an issue against the registry repo.

September 24th, 2020

Meeting link: https://zoom.us/j/5511723751

Proposed Agenda:
- Chris: How to Hot Fix an Operator and Operand for a single customer?
  - RFE https://github.com/operator-framework/operator-lifecycle-manager/issues/1774
  - Verify the right way to patch an installed CSV
  - Verify the right way to patch an uninstalled CSV (in a catalog)
    - Use opm prune/rm and replace existing catalogs?
      - Any way to provide a catalog weight instead, to favor a hotfix addition vs. replacing existing ones?
    - EVAN: [Catalog Priority](#) could help
  - TODO: Create a doc detailing best practices for patching a CSV
- Chris: Rollback. Folks want a way to downgrade/rollback if bad things happen.
  - Chris: As we get better at writing operators things might get better - but right now we occasionally introduce mistakes with upgrades.
    - We depend on GVK dependency resolution.
    - There are use cases where customers want to kickoff an upgrade, it fails, and the operators can't be fixed without a hotfix.

- - - It isn't about downgrading to any version - its about downgrading to the previous version installed
  - ○ Existing [JIRA RFE](#)
  - ○ Existing [GitHub issue](#)
- ● Chris: Discuss how to model a channel taxonomy using semver and EUS channels.
  - ○ Use cases:
    - ■ Make it obvious to customers that an Operator and all of it's Dependants have a Long Term Support / Extended Update Support.
    - ■ When creating subscriptions, automatically choose the LTS channel.
    - ■ Allow customers to move forward between LTS and non-LTS channels if needed.
  - ○ Example:
    - ■ Operator A:
      - ● v1.0
        - ○ 1.0.0
        - ○ 1.0.1
      - ● v1.1-lts
        - ○ 1.1.0
        - ○ 1.1.1
      - ● v1.2
        - ○ 1.2.0
    - ■ Operator B:
      - ● v4.0
        - ○ 4.1.0: Requires A < 1.
      - ● v4.1-lts
        - ○ 4.1.0: Requires A >=1.1.0 < 1.3.0
      - ● v4.2
        - ○ 4.2.0: Requires A <=1.3.0
  - ○ This can result in OLM trying to downgrade dependency operators. See [this issue](#).
- ● Chris: Need advice where to submit additional tests.
  - ○ My bash framework is getting hard to maintain
  - ○ Would like to add some e2e tests and leverage some of the framework that's already there for automatically generating combinations of catalogs, operators, versions, etc.
  - ○ Having trouble getting the e2e tests to run (docker connection timeouts). Likely noob problems.
    - ■ Alex: Please submit unit and e2e tests to operator-registry, operator-lifecycle-manager repos
    - ■ Chris: My problem on Mac was using hyperkit with Cisco AnyConnect installed. Had to switch the minikube vm-driver to docker as a quick fix.
- ● Alex: Quick demo on running e2e tests
  - ○ Evan:
    - ■ youmake -f x.mk e2e-local
    - ■ make -f x.mk e2e-local TEST="Catalog image update"

Attendees:
- ●

September 10th, 2020

Meeting link: https://zoom.us/j/5511723751
Proposed Agenda:
- Chris: Default channel override support status:
  https://github.com/operator-framework/operator-registry/issues/330
  - Chris: Needs this in OCP 4.5 and later.
  - Nick: Create a bugzilla for this to facilitate.
  - Kevin:
    - Strategic work to Separate out the Package definition (long term)
    - Tactical: add few registry modification commands.
- Alex: OLM Feature Planning Meeting Announcement
  - Purpose: Make feature planning more transparent
  - Time: Thursdays at 10am EST whenever the OLM Dev WG does not meet
- Chris: Clarification of some new features coming to upstream:
  - Operator Signals Upgrade Readiness
    - https://github.com/operator-framework/enhancements/blob/master/enhancements/operator-conditions.md
    - Enhancement will likely be updated to include an additional "Ready" condition - which will allow operators to communicate when they are ready to receive work (move from installing to Succeeded CSV Phase)
  - Smart Auto-Updates (auto Z, manual, X.Y?)
    - Unsure: Will raise this in the new planning meeting
  - New operator API (read only) to start
    - Operator API is tech preview in OCP 4.6 (read only)
- Chris: Dependency Resolution scenarios
  - Really need grouping capability:
    - Label + Semver + Frequency
    - Semver+frequency similar to how OCP Cincinnati works.
    - Label to support SLAs
  - PR is submitted by Kevin.
- Joe: Better cache invalidation for catalog source data?
  - https://github.com/operator-framework/operator-lifecycle-manager/issues/1753

Attendees:
- Chris Johnson (IBM)
- Kevin Rizza (Red Hat)
- Alexander Greene (Red Hat)
- Diane Mueller (Red Hat)
- Dale Lane (IBM)

August 27th, 2020

Meeting link: https://meet.google.com/dpo-czko-cjc
Proposed Agenda:
- Chris: Default channel override support status:
  https://github.com/operator-framework/operator-registry/issues/330

- - - Kevin & Evan: Add package-level metadata:
      https://github.com/operator-framework/enhancements/pull/37
    - There are some CSV annotations you can use with labels with dependency.yaml
    - Todo: Create a public facing doc highlighting label dependency
    - Kevin: Will attempt to prioritize 330
  - Alex: New OLM-DEV Channel in the Kubernetes Slack:
    https://kubernetes.slack.com/archives/C0181L6JYQ2
  - Alex: Discuss Operator Status Enhancement:
    https://github.com/operator-framework/enhancements/pull/42
  - ~~Mark: Discuss release for kube 1.19 support~~ (Issue was responded to, will not bother group with this then)
    https://github.com/operator-framework/operator-lifecycle-manager/issues/1663
  - Chris: Understand opm --mode semver-skippatch some more. Appears to still require `requires` and `olm.skipRange` in the CSV to support channel switching.
    - Kevin and Evan: This is an implicit design behavior. Semver-skippatch does NOT allow bridging channels. You need to use both olm.skipRange AND semver-skippatch to support this.
    - Much conversation between Kevin and Evan on this.
    - Action: Chris to create an issue with the use case and the workaround. Use this as a springboard to provide a formal declarative model to support this.
  - Alex: The next OLM WG scheduled for 09/10/2020 will be hosted on Zoom
    - OLM Dev Recordings are now available - will be hosted on youtube soon
  - Chris: For next time: Correlate the OCP Feature Roadmap to OLM/OPM enhancements (english to specifications)
    - Alex & Kevin: OpenShfit is forking OLM into their own git repository to avoid mixing upstream and downstream together. With that in mind, mapping the OpenShift roadmap to OpenShift OLM would be best done in a downstream forum.
    - Keep up to date with upstream Operator Framework enhancements here

Attendees:
- Alexander Greene(Red Hat)
- Chris Johnson (IBM)
- Tim Kaczynski (IBM)
- Kevin Rizza (Red Hat)

August 13th, 2020

Meeting link: https://meet.google.com/dpo-czko-cjc
Proposed Agenda:
- Discuss Progress on Enhancement for Issue 1523
  - https://docs.google.com/document/d/1WWbZCyG1sw3vi-1gtMOshmaTaYiMht3cb-Up4NAx4_I/edit#heading=h.8td6h6lkce1c
  - Draft Proposal
  - Notes:
    - Background: When unpacking a bundle, manifest resources are stored in ConfigMaps for staging. This approach was taken due to a constraint in OpenShift, where podspecs are used to pull images instead of pulling images directly. Currently there is a 1 to 1 relationship of the bundle to the configMap used to stage the resources, introducing a 1

mb limit for manifest resources due to a constraint in ETCD. If the sum of manifest data exceeds 1 mb of data, installation fails.
- Enhancement focuses on allowing users to store any number of resources if each resource meets the ETCD size constraint.
- The meeting from last week can be viewed [here](#).
- 4 potential solutions were identified and are included in the Enhancement PR, please review the PR or the recording from the meeting for more info.
- Chris: New [operator plugin for kubectl](#) announced
  - Notes
    - Joe Lanford worked on this during his hackdays.
    - The intent of the tool is to make it easy to install operators, born out of frustration installing an operator via OLM.
    - Tool can be used to install operators,
      - Streamlines namespaces, operatorgroups, etc…
      - Performs some common sense analysis to identify if the operator could be installed in a given namespace / operatorGroup.
      - The tool takes a lot of functionality present in Console and makes it available in a CLI.
      - The tool was developed without input from the OLM team, so some features may match those present in OPM.
      - The tool is young and does not have much unit/e2e tests
      - The project is in a great state for individuals looking to contribute to OF!
    - Feedback: It can be difficult to identify the persona for each of these tools (SDK, operator plugin, OLM, OPM).
- Chris: OLM 1.0 Status?
  - Notes
    - OLM is actively working on what deliverables will be present in the OLM 1.0 release but there is no concrete release plan at this time.
    - A concern was raised regarding OpenShift 4.6 LTS regarding OLM support. All OLM features available in OpenShift that are enabled by default have full support.
    - OLM is also focusing on how to introduce an Upstream/Downstream repo.
      - Most OpenShift specific features included in OLM is enabled at runtime if OLM is running on an OpenShift cluster. The goal is to rip this out of the upstream code.
- Chris: OLM / OPM version supported by OCP 4.6?
  - What features are being added?
  - What features are supported?
    - How can I understand what is in a specific OLM release?
      - Inspect a specific branch, such as the [4.6 Branch](#)
    - TODO: Define how someone can know what is up and coming for upstream

Attendees:
- Kevin Rizza (Red Hat)
- Nick Hale (Red Hat)
- Alexander Greene (Red Hat)
- Chris D. Johnson (IBM)
- Aidan Harbison (IBM)
- Dale Lane (IBM)
- Jiaming Hu (IBM)

July 30th, 2020

Meeting link: https://meet.google.com/dpo-czko-cjc
Proposed Agenda:
- Support for large bundles
  https://github.com/operator-framework/operator-lifecycle-manager/issues/1523
  - The 1 mb limit is currently constraining what can be included in a bundle.
  - OLM has not actively investigated potential solutions to this limitation.
  - Dale Lane minified the data in the CSV, other teams removed the documentation from the CSV.
  - Evan: In theory you could just create a package that contains a single CRD and mark it as a dependency.
  - This issue needs to be addressed as operators bundle sizes continue to grow.
  - Lots of repeated information in the CRD, could support refs.
    - Related upstream issue: https://github.com/kubernetes/kubernetes/issues/62872
  - Nick: Instead of storing this information on cluster, could apply yaml from CatSrc
    - Primary motivator is the multiarch support, where CRI-O is just swapping stuff for us in the background.
  - Chris: Do we need a Champion to share background OLM knowledge.
    - Nick and Vu
    - Soft Deadline: Next meeting
    - Shortterm and longterm solutions
- Evan: Some of the Operator registry image releases on quay and registry.redhat.io seem to have invalid opms, does not indicate which version they are, and includes very subtle bugs that have not been seen before. If you are using the opm from the downstream images, please beware.
- Chris: Which version of OPM should I use to build?
  - OPM is backwards compatible. A newer cluster may have difficulties communicating with a CatalogSource built with an older version of OPM.
  - You should be able to take an existing 4.5 image and migrate the database to the latest version by adding a new bundle.
  - Chris: Should OLM be doing more to understand which operators are installable on the cluster?
    - Best thing we have now is the native apis specification in operators, which OLM uses to prevent installs of operators that depend on an API that isn't available.
- As of today, OLM has merged the SAT-based Solver.
  - Available in OpenShift 4.6 and the next release of OLM
  - If you specified dependencies in package version ranges, the new feature is not available in 4.5.
- What is the status of the CSVLess bundle
  - Currently under discussion on the enhancement
  - Has taken a backseat to operator API and dependency resolution work
  - Has not been dropped and will be revisited
-
Notes:
-
Attendees:
- Kevin Rizza (Red Hat)
- Alexander Greene (Red Hat)
- Dale Lane (IBM)
- Chris Johnson (IBM)

- Tim Kaczynski (IBM)

July 16, 2020

Meeting link: https://meet.google.com/dpo-czko-cjc
Proposed Agenda:
- Chris Johnson:
    - New Design documents: Thanks Nick Hale!
    - Right way to build bundles/images in a supported mode: opm from redhat-built image vs. upstream git? Docker files are completely different.
        - `registry.redhat.io/openshift4/ose-operator-registry:v4.5`
    - opm version in redhat appears to be 1.12.3, but appears to have commits from 1.12.5?
        - This is a bug.
        - Need to look at the commit id in the `opm version` build decorator
    - Uninstallation design plans?
        - Uninstall CRD when noone else is using?
        - Uninstall dependent operators when installed as a dependency?
        - TODO: Start an enhancement request There have been some discussions in the background.
        - Evan: Use finalizers can be considered for some use case.
    - Should we implement multiple catalogs going forward? For OLM compatibility with operator-registry
        - Evan: THere is no content negotiation yet. Recommend defensive catalogs: 4.4, 4.5, 4.6….
        - Kevin: Newer registries are not guaranteed to be compatible (forward/backward)
        - Chris: It would be nice to have an array of Catalog Images in the Catalog Source by OCP Version, so the installers don't need to deal with this directly, and the complexities of updating the CatalogSource image reference don't need to be exposed (similar to how image manifest lists work for multi-arch)
        - Evan: There are some ideas in the design docs with layered metadata on the index.
            - Use the openshift enhancement repo for adding support for OCP version constraints
            - Add an enhancement for adding upper bound (semver range query) as an OPM enhancement.
- Bug Triage
- Sam Hawker:
    - Pause proposal https://github.com/operator-framework/operator-sdk/issues/3418
Notes:
-
Attendees:
- Kevin Rizza (Red Hat)
- Alexander Greene (Red Hat)
- Chris Johnson (IBM)
- Tim Kaczynski (IBM)
- Daniel Sover (Red Hat)

- David Ffrench (Red Hat)
- Dale Lane (IBM)
- Sam Hawker (IBM)
- Krishna Raman (IBM)
- Joe Huizenga (IBM)

July 2, 2020

Updated meeting link for this week: https://bluejeans.com/1205360789

Proposed Agenda:
- Mike Kaczmarski (IBM) - Operand Lifecycle Manager (ODLM)
  -

Notes:

Attendees:
- Kevin Rizza (Red Hat)
- Mike Kaczmarski (IBM)
- Eric Stroczynski (Red Hat)
- Warren Van Winckel (Red Hat)
- Vu Dinh
- Ankita Thomas (Red Hat)
- Tim Kaczynski (IBM)
- Chris Johnson (IBM)

June 18, 2020

Proposed Agenda:
- Chris Johnson (IBM) - RFE: Set default channel by package to opm
  - https://github.com/operator-framework/operator-registry/issues/330
- Chris Johnson (IBM) - RFE: Add Operator Dependency by Channel
  - https://github.com/operator-framework/operator-lifecycle-manager/issues/1557
- Mike Kaczmarski (IBM) - (ODLM)
  - Push to next time. Mike is unavailable
- Chris Johnson (IBM) - The Cross-Scope Operator problem (Namespace and Cluster Scoped Operator dependencies)

Agenda/notes:
- IBM just released their first two applications managed by OLM! Link
  - IBM want's to use the semver skip patch mode which OLM does not support, is using Replaces mode which runs into issues.
  - OpenShift 4.4 ships a version of OPM 1.5 RH images within it. Until 4.5, newer features of OPM are not available for IBM.
- OLM to discuss how to include community with enhancement design meetings.

- ○ Any non RH / OpenShift meetings should be public
- ● Regarding RF: Add Operator Dependency by Channel
  - ○ Chris wants to mix channel and SemVer
  - ○ Finding it difficult to manage all the combination of installs they wish to manage
  - ○ Nick to work on google doc that consolidates existing knowledge regarding dependency resolution and share on google group.
- ● Cross-Scope Operator Problem Discussion
  - ○ This topic has been given a TON of thought internally
  - ○ This was discussed as earlier today
    - ■ Some operators should be written as all-namespace operators
    - ■ If you need some degree of tenancy it should be provided via the operator
    - ■ Discussed potential futures of Kubernetes that might help
      - ● Ability to list namespaces that you have access to
      - ● List of APIs that are different based on your operators installed
      - ● Should consider these ideas and start work in upstream k8s
  - ○ Chris: Multitenancy is a big value drive for our customers
    - ■ Most operators are ran per namespace
    - ■ Nick: Problems with managing a set of operators overtime
    - ■ Evan: Having a shared CRD between namespace scoped operators overtime causes a number of issue
    - ■ Chris: Is trying to create an example of a best practice operator
      - ● Scope is vast and constantly growing
      - ● Webhooks are dangerous
      - ● Considering moving most of the moving parts into the operand
        - ○ Nick: This shifts problem from OLM to the operands
        - ○ Nick: What is the operand in your example
          - ■ Chris: the legacy solution

Attendees:
- ● Kevin Rizza (Red Hat)
- ● Alexander Greene (Red Hat)
- ● David Ffrench (Red Hat)
- ● Dale Lane (IBM)
- ● Tom Aley (IBM)
- ● Evan Cordell (Red Hat)
- ● Chris Johnson (IBM)
- ● Ben Luddy (Red Hat)
- ● Harish Govindarajulu(Red Hat)
- ● Miguel Luna (VMware)
- ● Shawn Hurley(Red Hat)

June 4, 2020

Proposed Agenda:
- ● ~~Chris Johnson (IBM) - RFE: Set default channel by package to opm~~
  - ○ ~~https://github.com/operator-framework/operator-registry/issues/330~~

- ~~Chris Johnson (IBM) - RFE: Add Operator Dependency by Channel~~
  - ~~https://github.com/operator-framework/operator-lifecycle-manager/issues/1557~~
- ~~Mike Kaczmarski (IBM) - (ODLM)~~
- ~~Chris Johnson (IBM) - The Cross-Scope Operator problem (Namespace and Cluster Scoped Operator dependencies)~~

Agenda/notes:
- Postponed in accordance with direction from the Kubernetes Steering Committee.

May, 21 2020

Agenda/notes:
- Introductions
- What's next for OLM
  - Add link to pdf version of slide deck
- Bug Triage
- SRE use case James/Greg
  - Ability to force apply a CSV forward or backward if current CSV is not in Succeeded state
    - Uses OLM to deploy 8 or 9 operators
    - App SRE has had a number of situations where an invalid CSV is applied to the cluster, the old CSV is replaced and unable to install the new CSV
      - If OLM can't install the operator, we'd like to rollback
    - Biggest problem for APP SRE - we need an engineer with OLM experience to manually address this state at all hours of the day when an update is pushed.
    - Uses OLM in a form of a continuous delivery pipeline.
      - Are of the impression that apps delivered with OLM are slower release cycles (monthly)
      - Uses OLM to rollout whenever a commit is made to master
      - In a CI world, allow us to jump from any version to any version
    - The most valuable feature to us would be to force push a version
      - Install this version I don't care
    - James Harrington can create an issue
  - Static validation of OLM components (Initially CSV)
    - Has used operator-framework/api Validation library, was told the CSV was ok, and then failed.
      - [estroz] probably has to do with an incomplete set of validators compared to the set operator-courier offers
        - [krizza] This set is being actively worked on and should be more feature complete soon -- could still miss things though, so any feedback on validation to add would be helpful!
- Upcoming update to dependency enhancement request to support Channel selection (Chris Johnson)
  - RHACM has this need too. They want to depend on a specific channel of some operators
  - Chris Johnson will create an issue that contains information about his usecase
    - RFE Issue:
      https://github.com/operator-framework/operator-lifecycle-manager/issues/1557
  - Chris Johnson will identify someone to present on IBM's operand-deployment-lifecycle-manager in a future meeting: (Michael Kaczmarski)

- The Cross-Scope Operator problem (Namespace and Cluster Scoped Operator dependencies) (Chris Johnson) → Push to next meeting
- [Operand Deployment Lifecycle Manager](#) (ODLM) → Next time (Chris)

Attendees:
- Alexander Greene (Red Hat)
- Kevin Rizza (Red Hat)
- Diane Mueller (Red Hat)
- Chris Johnson (IBM)
- Nathan Brophy (IBM)
- Eric Stroczynski (Red Hat)
- Joe Lanford (Red Hat)
- Shawn Hurley (Red Hat)
- Ben Luddy (Red Hat)
- Jesus Rodriguez (Red Hat)
- Paul Richardson (Red Hat)
- James Harrington (Red Hat)
- Greg Sheremeta (Red Hat)
- Harish Govindarajulu (Red Hat)
- Evan Cordell (Red Hat)
- Jakub Scholz (Red Hat)
- Daniel Sover (Red Hat)
- Rob Cernich (Red Hat)
- Vu Dinh (Red Hat)
- Miguel Luna (VMware)