



KubeCon



CloudNativeCon

North America 2018

Deep Dive: Knative Productivity BoF

Adriano Cunha (Google, @adrcunha)



Agenda



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- What's Knative?
- The Productivity WG
- Architecture and details
- Life of a PR (“demo”)
- Q&A

Wait, what is this about?



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- This is **NOT** about Knative
 - [Tutorial](#)
 - [Knative Build](#)
 - [Deep Learning Inference](#)
 - [T-Mobile uses Knative](#)
 - [Knative Autoscaling](#)
- This is **NOT** about Prow
 - [Behind Your PR: How K8S use K8S to run K8S CI](#)
- Tuesday's Intro session: [Knative Productivity BoF](#)

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- **What's Knative?**
- The Productivity WG
- Architecture and details
- Life of a PR (“demo”)
- Q&A

Knative



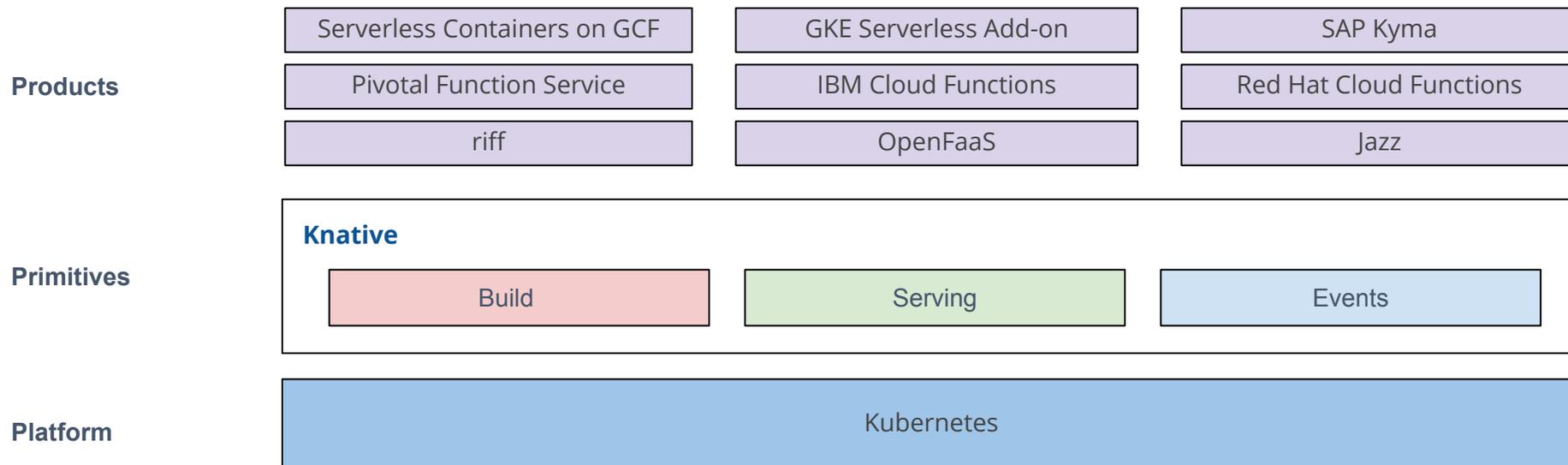
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- [Knative](#) is a Kubernetes-based platform
- Build, deploy, manage serverless workloads
- Provides middleware components
- For container-based applications



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- What's Knative?
- **The Productivity WG**
- Architecture and details
- Life of a PR (“demo”)
- Q&A

Productivity WG 1/2



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The [Productivity Working Group](#) mission is:

- Develop engineering guidelines
- Tools and infrastructure for Knative
- Enable high quality/velocity deliverables
- Drive measurable/predictable releases
- Achieve high community collaboration
- Achieve and overall productivity

Productivity WG 2/2



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Why? Because Knative has...

- 12 repos
- 400+ users
- 160+ PRs per week
- ~60+ new issues per week

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- What's Knative?
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- **Architecture and details**
- Life of a PR (“demo”)
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Architecture

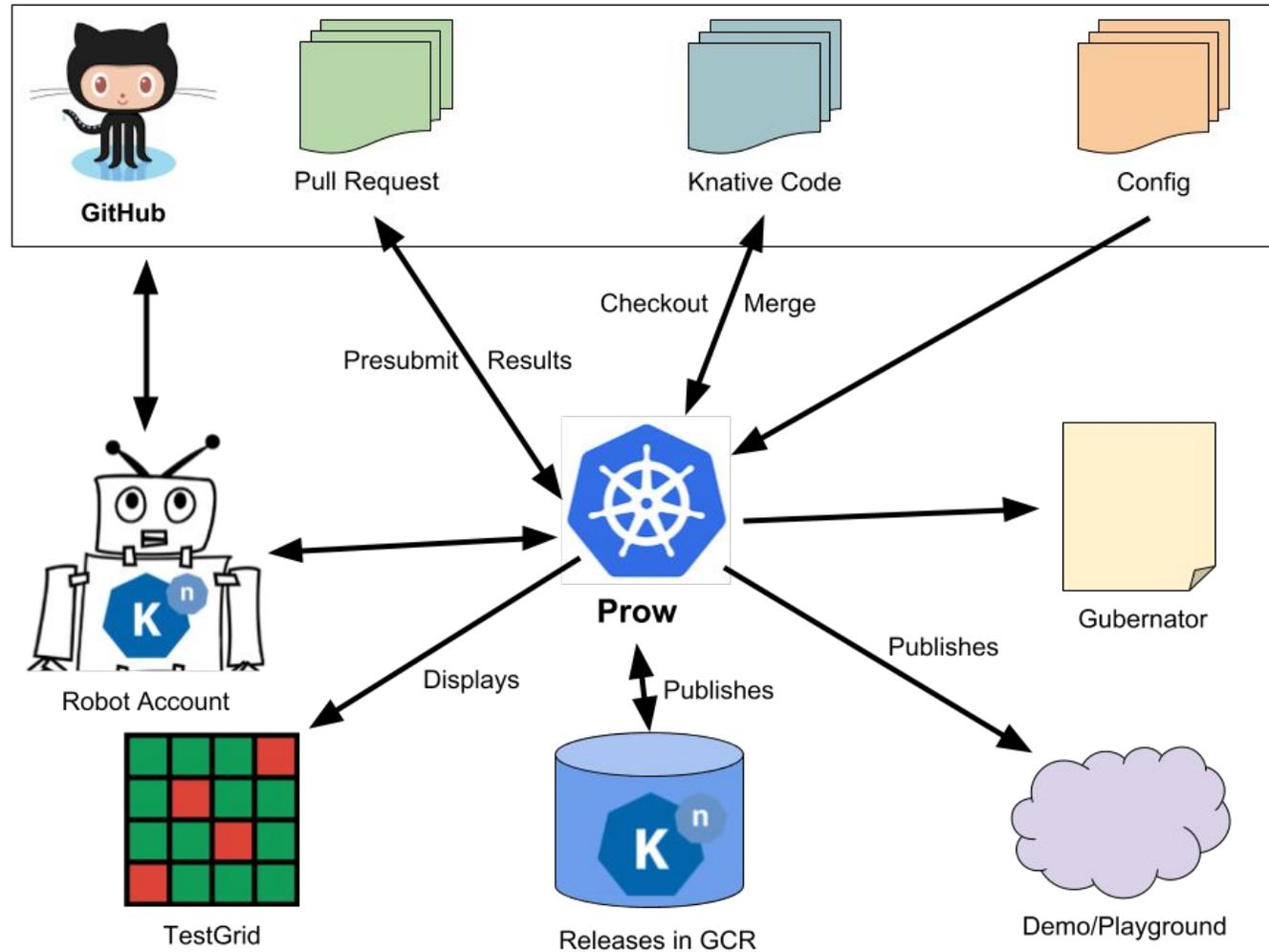


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CI/CD system: the Kubernetes-based [Prow](#)

- Presubmit tests (required for merging)
- Automagic merging
- Continuous Integration (CI) flow (every 1 or 2h)
- Nightly releases
- Code coverage reports
- Weekly playground (optional)
- Performance tests (optional)

Prow config



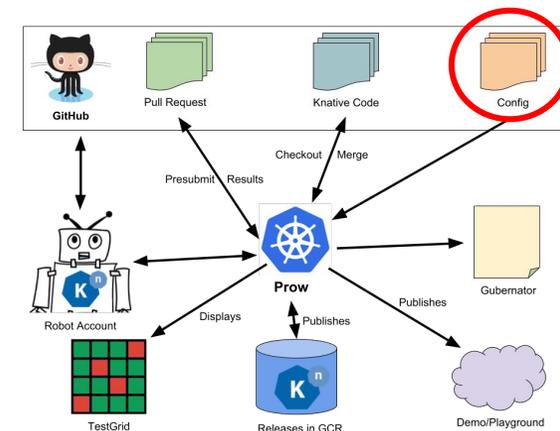
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- One job for each presubmit test
- Presubmit tests are required checks in GitHub
- Periodic jobs for dailies, nightlies, weeklies, etc.
- OWNERS files define approvers and reviewers
- Tide: `/lgtm + /approve + passing tests = merge`
- Boskos: pool of GCP projects for E2E



Prox config bonus: PR Dashboard



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PR Dashboard

View [All](#) | Me |

Filter Milestone: **Any** [Scaling](#); [Robust E2E Autoscaling Tests](#) [Serving 0.3](#)

Needs Attention (7)

Repo	Number	Author	Status	Updated	Assignees	Size	Title	
knative/docs	641	adrcunha	✓ LGTM	8:43 AM	RichieEscarez, labadav, vdemeester	XS	Fix my username :)	<input type="button" value="ACK"/>
knative/serving	2665	mattmoor	✓ Needs Review	Dec 6	adrcunha, mattmoor, mdemirhan, srinivashegde86, tcnghia, vagababov, vaikas-google	L	Use regional clusters	<input type="button" value="ACK"/>
knative/eventing-sources	121	grantr	✗ Needs Review	Dec 6	Harwayne, adrcunha, grantr, jessiezcc, vaikas-google	XXL	Add E2E test	<input type="button" value="ACK"/>
knative/serving	2602	dushyanthsc	✓ Needs Review	Dec 6	adrcunha, dushyanthsc, evankanderson, jessiezcc, knative-prox-robot, srinivashegde86, steuhs	L	Moving envvars_test from e2e to conformance	<input type="button" value="ACK"/>
knative/test-infra	296	adrcunha	✓ LGTM	Dec 5	srinivashegde86	M	Rename release jobs to "nightly-release" for clarity	<input type="button" value="ACK"/>
knative/pkg	143	greghaynes	✓ Needs Review	Dec 5	adrcunha, jessiezcc	M	Add static endpoint override to test/spoof	<input type="button" value="ACK"/>
knative/build-pipeline	311	adrcunha	✓ LGTM	Dec 5	ImJasonH, vdemeester	L	Update test-infra to include latest features of release.sh	<input type="button" value="ACK"/>

Incoming (10)

Repo	Number	Author	Status	Updated	Assignees	Size	Title
knative/serving	2665	mattmoor	✓ Needs Review	Dec 6	adrcunha, mattmoor, mdemirhan, srinivashegde86, tcnghia, vagababov, vaikas-google	L	Use regional clusters
knative/eventing-sources	121	grantr	✗ Needs Review	Dec 6	Harwayne, adrcunha, grantr, jessiezcc, vaikas-google	XXL	Add E2E test
knative/serving	2602	dushyanthsc	✓ Needs Review	Dec 6	adrcunha, dushyanthsc, evankanderson, jessiezcc, knative-prox-robot, srinivashegde86, steuhs	L	Moving envvars_test from e2e to conformance
knative/pkg	143	greghaynes	✓ Needs Review	Dec 5	adrcunha, jessiezcc	M	Add static endpoint override to test/spoof
knative/serving	2190	Leon-Liangming	✓ Needs Review	Nov 29	Leon-Liangming, ZhiminXiang, adrcunha, dgerd, evankanderson, jonjohnsonjr, josephburnett, knative-prox-robot, mattmoor, tcnghia	XL	Support set user-defined port to queue-proxy
knative/eventing-sources	127	n3wscott	✓ LGTM	Nov 26	Harwayne, adrcunha, grantr, matzew, vaikas-google	M	Adding heartbeats source and receiver as a release-able component.
knative/serving	2170	josephburnett	✓ LGTM	Nov 20	adrcunha, bbrowning, josephburnett, knative-prox-robot, markusthoemmes, mattmoor, mdemirhan, srinivashegde86	M	E2E test restarting Autoscaler and Activator
knative/test-infra	217	tcnghia	✓ Pending	Oct 29	adrcunha, jessiezcc	XS	Experiment with increasing the max nodes to 4
knative/test-infra	213	mattmoor	✓ LGTM	Oct 25	adrcunha, srinivashegde86, steuhs	S	This moves the build of dep-collector into the Prox Dockerfile.
knative/eventing	453	greghaynes	✓ Pending	Sep 27	adrcunha, gregghaynes, n3wscott, scothis, srinivashegde86	L	Enforce all code dirs have tests

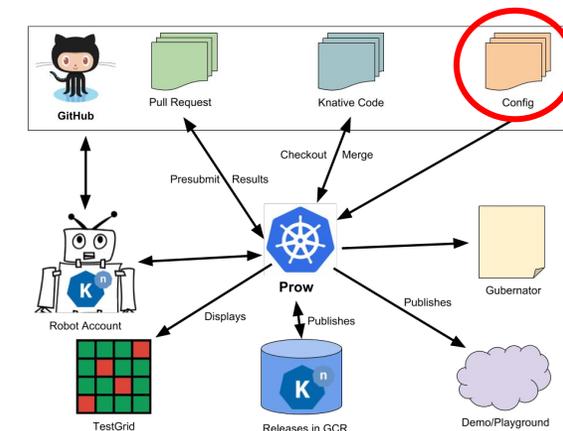
Outgoing (5)

Repo	Number	Author	Status	Updated	Assignees	Size	Title
knative/docs	641	adrcunha	✓ LGTM	8:43 AM	RichieEscarez, labadav, vdemeester	XS	Fix my username :)
knative/serving	2526	adrcunha	✓ Pending	Dec 6	srinivashegde86, yanweigu	XS	Temporarily set KO_DATA_PATH for E2E tests
knative/test-infra	296	adrcunha	✓ LGTM	Dec 5	srinivashegde86	M	Rename release jobs to "nightly-release" for clarity
knative/build-pipeline	311	adrcunha	✓ LGTM	Dec 5	ImJasonH, vdemeester	L	Update test-infra to include latest features of release.sh
knative/test-infra	254	adrcunha	✓ LGTM	Nov 13	ericKlwitter, jessiezcc, srinivashegde86	XS	Fix getting commit hash for tagging

Needs Attention is a heuristic grouping based on a [simple state machine](#). Use the "ACK" button to remove a PR from "Needs Attention" until something new occurs.

Have a problem? [File a bug!](#)

Gubernator's PR Dashboard



test-infra repo



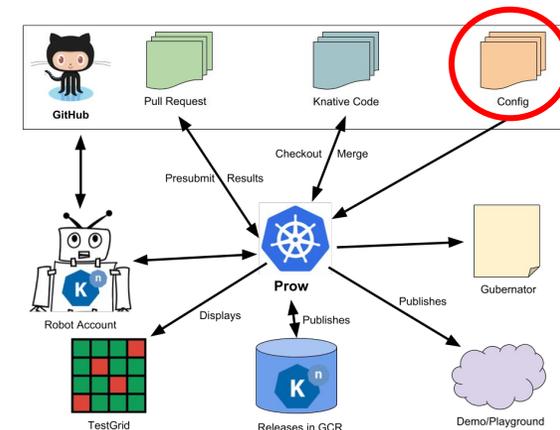
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- Test infrastructure configurations
- Test infrastructure tools
- Shared code for tests
 - Frameworks are in the pkg repo
- Test-related tools
- Vendored in each repo
 - Pro: Avoid breakages
 - Con: Requires individual updates



Tests



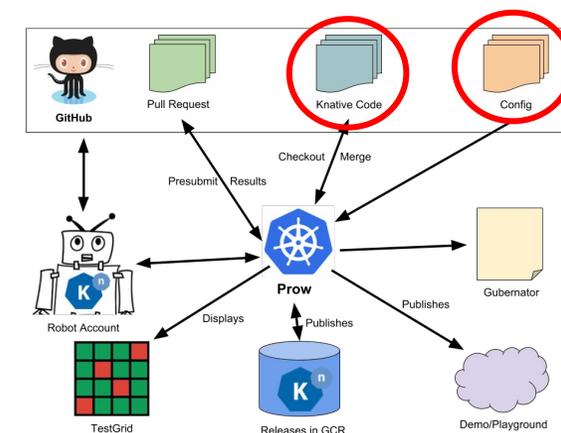
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- At least build, unit, integration
- Starter in test-infra helpers (vendored)
- Repo-specific code in each repo (`/test`)
- Run locally or on Prow (presubmit, CI flow)
- Integration tests:
 - Use [kubetest](#) to provide k8s cluster
 - Conformance tests (separate display)
 - Too many? Too slow? Split (on Prow)



Coverage 1/2



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- Code coverage
 - No support on Prow (yet)
 - Custom tool, reporting per PR and daily



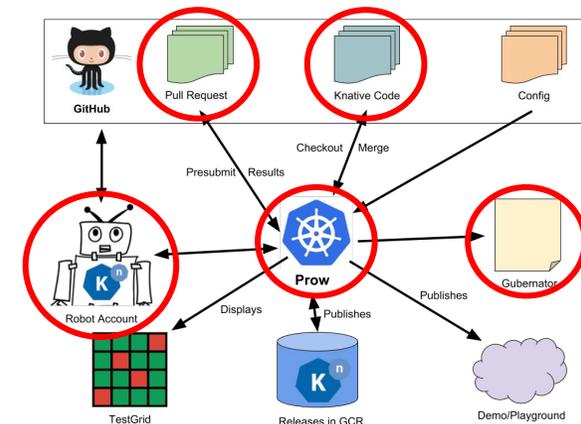
covbot commented 14 hours ago

Member + 😊 ...

The following is the coverage report on pkg/.

Say `/test pull-knative-serving-go-coverage` to re-run this coverage report

File	Old Coverage	New Coverage	Delta
pkg/reconciler/v1alpha1/clusteringress/clusteringress.go	82.7%	82.9%	0.2
pkg/reconciler/v1alpha1/clusteringress/gateway.go	Do not exist	55.6%	



Coverage 2/2



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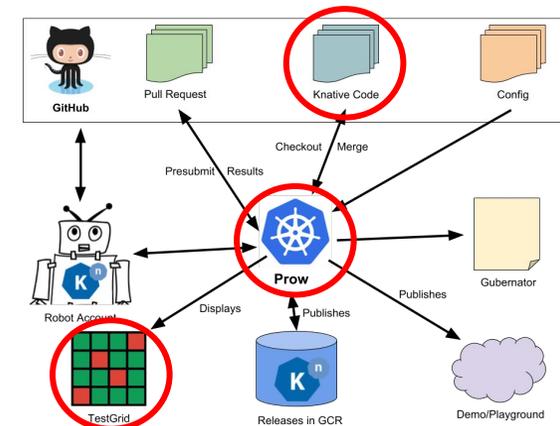


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- Runtime coverage support
 - Log metrics in the CI flow
 - API latency: embedded in E2E
 - API coverage: embedded in E2E

	12-07	12-06	12-05	12-04
E2E:TestBlueGreenRoute	30980.0	26080.0	28970.0	28090.0
E2E:TestBlueGreenRoute/outlier:worst	32230.0	27040.0	39110.0	28100.0
E2E:TestBuildAndServe	9710.0	9600.0	10590.0	9710.0
E2E:TestBuildAndServe/outlier:worst	9780.0	10560.0	10660.0	9860.0
E2E:TestBuildFailure	1210.0	1280.0	1220.0	1280.0
E2E:TestBuildFailure/outlier:worst	1470.0	1330.0	1300.0	1450.0
E2E:TestBuildSpecAndServe	18820.0	20560.0	21650.0	17700.0
E2E:TestBuildSpecAndServe/outlier:worst	19600.0	46520.0	22590.0	18550.0
E2E:TestContainerErrorMsg	1210.0	1220.0	1210.0	1220.0
E2E:TestContainerErrorMsg/outlier:worst	1220.0	1220.0	1340.0	1330.0
E2E:TestCustomResourcesLimits	68300.0	67100.0	68930.0	68910.0
E2E:TestCustomResourcesLimits/outlier:worst	68950.0	68050.0	70080.0	68920.0



Presubmits



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- Separate Prow jobs (at least 3)
- Required status check on GitHub
- Results displayed on Gubernator
 - No support for go, custom test result parser

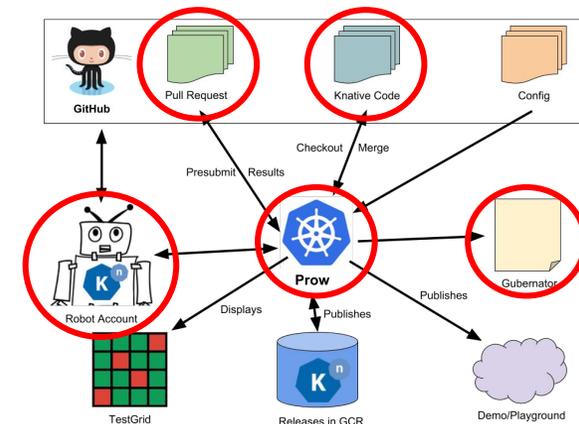
A screenshot of a GitHub pull request interface. At the top, it says 'Review requested' with a green checkmark. Below that, a red circle indicates 'Some checks were not successful' with '1 failing, 1 pending, and 5 successful checks'. A list of checks follows: 'pull-knative-serving-upgrade-tests' (Job failed, Required), 'tide' (Pending, Not mergeable, Needs approved, Igtn labels, Required), 'cla/google' (All necessary CLAs are signed, Required), 'pull-knative-serving-build-tests' (Job succeeded, Required), and 'pull-knative-serving-go-coverage' (Job succeeded, Details). At the bottom, there is a yellow warning icon and the text 'Required statuses must pass before merging'.

Test Failures

`//knative/serving/test/upgrade:TestRunLatestServicePostDowngrade 0.00s`

Command: `bazel test //knative/serving/test/upgrade:TestRunLatestServicePostDowngrade`

```
exec ${PAGER:-/usr/bin/less} "$@" || exit 1
Executing tests from //knative/serving/test/upgrade:TestRunLatestServicePostDowngrade
upgrade.go:52: The endpoint for Route pizzaplanet-upgrade-service at domain pizzaplanet-
```



Releases



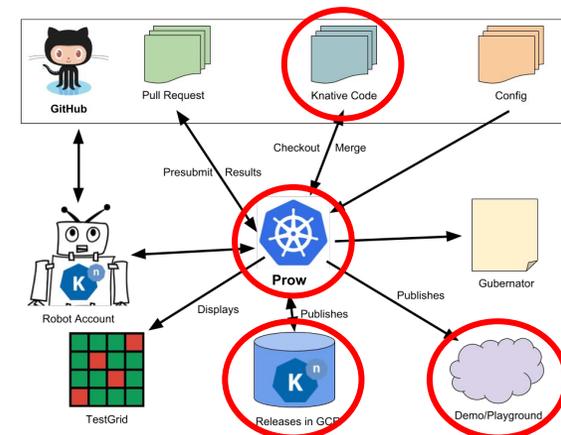
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- Periodic Prow job
- Nightlies:
 - HEAD, all tests, build, publish (versioned)
 - tag images *v20181231-deadbeef, latest*
 - use separate dir in GCS (previous, latest)
- Playground: deploy latest nightly
- Display results in Testgrid



Results display 1/2: Gubernator



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knative/serving PR #2663 pull-knative-serving-upgrade-tests #1070884154926698497

Recent runs

PR	lichuqiang : sync gateway label selector on config update
Result	FAILURE
Tests	1 failed / 2 succeeded
Started	2018-12-06 19:34 PST
Elapsed	19m46s
Version	unknown
Builder	gke-prow-default-pool-7f6e232f-f6ln
Refs	master: 556db3ae 2663:15795332
pod	eb66a714-f9d0-11e8-b9d2-0a580a3c017e
infra-commit	d6f7bb8bf
pod	eb66a714-f9d0-11e8-b9d2-0a580a3c017e
repo	github.com/knative/serving
repo-commit	42993ab1bbf5c0398739999468e812fb07511a47
repos	{u'github.com/knative/serving': u'master:556db3ae138ebbf59cacb504984cc157387a775,2663:15795332846fcc8274ccc847a8147ce3d13d60a'}

[artifacts](#) [build log](#)

Test Failures

//knative/serving/test/upgrade:TestRunLatestServicePostDowngrade 0.00s

Command: bazel test //knative/serving/test/upgrade:TestRunLatestServicePostDowngrade

```
exec ${PAGER:-/usr/bin/less} "$@" || exit 1
Executing tests from //knative/serving/test/upgrade:TestRunLatestServicePostDowngrade
-----
upgrade.go:52: The endpoint for Route pizzaplanet-upgrade-service at domain pizzaplanet-upgrade-service.serving-tests.example.com didn't serve the expected text "Re-energize yourself with a slice of pepperoni!": Get
http://35.238.39.236: dial tcp 35.238.39.236:80: connect: connection refused
```

from [junit_bazel.xml](#)

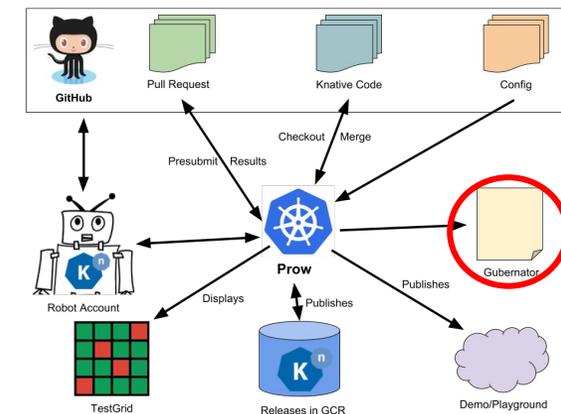
Filter through [log files](#)

Show 2 Passed Tests

Error lines from build-log.txt

[Expand Skipped Lines](#) [Raw build-log.txt](#)

```
... skipping 626 lines ...
I1207 03:43:43.240] -----
I1207 03:43:43.240] Running tests with 'go test -race -v -count=1 -tags=preupgrade -timeout=10m ./test/upgrade '
I1207 03:44:23.655] Finished run, return code is 0
I1207 03:44:23.656] Start parsing results, summary:
I1207 03:44:23.665] - TestRunLatestServicePreUpgrade :PASS:
I1207 03:44:23.667] - ok github.com/knative/serving/test/upgrade
```



Results display 2/2: Testgrid



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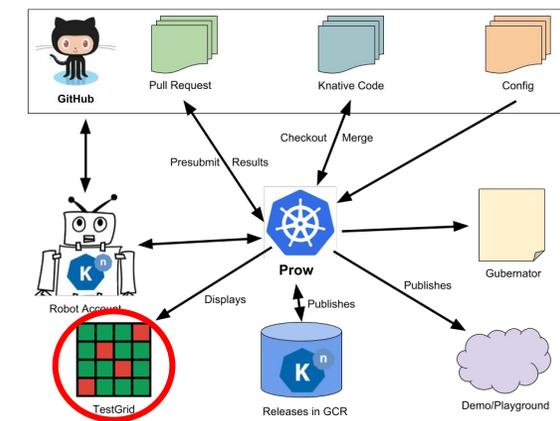


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- Pass/fail tests: `go test parser`
- Coverage: XML artifact contains results

knative-serving														
Summary continuous release playground coverage latency api-coverage conformance-tests performance														
12-06 17:00 @1070845526330576896 -- 11-23 17:00 @1066134481041100800; Served from cache in 0.05 seconds														
12-06 12-05 12-04 12-03 12-02 12-01 11-30 11-29 11-28 11-27 11-26 11-25 11-24 11-23														
1070845526:1070483138:1070120750:1069758361:1069395972:1069033585:1068671198:1068308810:1067946421:1067584033:1067221646:1066859256:1066496869:10661344810														
OVERALL	89.2	80.7	80.4	80.4	80.4	80.5	80.5	81.2	81.2	81.6	81.6	81.6	81.6	81.7
github.com/knative/serving/cmd/activator/main.go		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
github.com/knative/serving/cmd/autoscaler	4.6													
github.com/knative/serving/cmd/autoscaler/main.go	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8
github.com/knative/serving/cmd/controller/main.go		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
github.com/knative/serving/cmd/queue/main.go		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
github.com/knative/serving/cmd/util/env.go		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
github.com/knative/serving/cmd/webhook/main.go		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
github.com/knative/serving/pkg/activator	90.0													
github.com/knative/serving/pkg/activator/dedupe.go	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
github.com/knative/serving/pkg/activator/handler	100.0													
github.com/knative/serving/pkg/activator/handler/concurrency_reporter.go	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
github.com/knative/serving/pkg/activator/handler/enforce_length_handler.go	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
github.com/knative/serving/pkg/activator/handler/filtering_handler.go	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
github.com/knative/serving/pkg/activator/handler/handler.go	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
github.com/knative/serving/pkg/activator/handler/requestevent_handler.go	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
github.com/knative/serving/pkg/activator/revision.go	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
github.com/knative/serving/pkg/activator/stats_reporter.go	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.3	77.3	77.3	77.3
github.com/knative/serving/pkg/activator/util	98.1													
github.com/knative/serving/pkg/activator/util/header.go	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
github.com/knative/serving/pkg/activator/util/rewinder.go	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
github.com/knative/serving/pkg/activator/util/transport.go	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
github.com/knative/serving/pkg/apis	94.4													
github.com/knative/serving/pkg/apis/autoscaling	75.3													
github.com/knative/serving/pkg/apis/autoscaling/v1alpha1	75.3													
github.com/knative/serving/pkg/apis/autoscaling/v1alpha1/kpa_defaults.go														
github.com/knative/serving/pkg/apis/autoscaling/v1alpha1/kpa_types.go								100.0	100.0	100.0	100.0	100.0	100.0	100.0
github.com/knative/serving/pkg/apis/autoscaling/v1alpha1/kpa_validation.go								72.0	72.0	72.0	72.0	72.0	72.0	72.0
github.com/knative/serving/pkg/apis/autoscaling/v1alpha1/pa_defaults.go								100.0	100.0	100.0	100.0	100.0	100.0	100.0
github.com/knative/serving/pkg/apis/autoscaling/v1alpha1/pa_types.go														
github.com/knative/serving/pkg/apis/autoscaling/v1alpha1/pa_validation.go														
github.com/knative/serving/pkg/apis/autoscaling/v1alpha1/pa_validation.go														



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- What's Knative?
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- Architecture and details
- **Life of a PR (“demo”)**
- Q&A

Life of a PR 1/8: Create



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knative / serving

Watch 76 Unstar 908 Fork 191

Code Issues 257 Pull requests 36 Projects 7 Insights Settings

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).

base fork: knative/serving base: master head fork: adrcunha/serving compare: kodata2

✓ Able to merge. These branches can be automatically merged.

Temporarily set KO_DATA_PATH for E2E tests #2526
Once this works, I'll move this to the base helper scripts so all E2E tests in all repos will benefit from it. [View pull request](#)

1 commit 1 file changed 0 commit comments 1 contributor

Commits on Nov 20, 2018

adrcunha Set KO_DATA_PATH for E2E tests 1fd78d1

Showing 1 changed file with 1 addition and 0 deletions. [Unified](#) [Split](#)

```
1 test/e2e-tests.sh
@@ -71,6 +71,7 @@ publish_test_images || fail_test "one or more test images weren't published"
71 # Run the tests
72
73 header "Running tests"
74 + export KO_DATA_PATH=${REPO_ROOT_DIR}/.git
75 go_test_e2e -timeout=20m ./test/conformance ./test/e2e || fail_test
76 success
```

No commit comments for this range

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Life of a PR 2/8: Assignment



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The screenshot shows a GitHub pull request page for the repository 'knative / serving'. The title of the pull request is 'Make verify-codegen.sh also check /vendor #2561'. The pull request is marked as 'Merged' and was merged 9 days ago. The commit message is 'Fixes #1711.' and the commit hash is '2a0b54a'. The pull request was requested by 'adrcunha' and reviewed by 'glyn' and 'mattmoor'. The pull request was assigned to 'srinivashegde86' and 'mattmoor'. The pull request has a label 'size/XS' and is approved. The pull request is currently open and has 6 conversations, 1 commit, 0 checks, and 2 files changed. The pull request is currently open and has 6 conversations, 1 commit, 0 checks, and 2 files changed. The pull request is currently open and has 6 conversations, 1 commit, 0 checks, and 2 files changed.

Search or jump to... / Pull requests Issues Marketplace Explore

knative / serving Watch 76 Unstar 909 Fork 191

Code Issues 260 Pull requests 33 Projects 7 Insights Settings

Make verify-codegen.sh also check /vendor #2561

Merged knative-prov-ro... merged 1 commit into knative:master from adrcunha:verdeps 9 days ago

Conversation 6 Commits 1 Checks 0 Files changed 2 +2 -2

adrcunha commented 10 days ago Member

Fixes #1711.

Make verify-codegen.sh also check /vendor ✓ 2a0b54a

knative-prov-robot requested review from dushyanthsc and srinivashegde86 10 days ago

knative-prov-robot added the size/XS label 10 days ago

adrcunha requested review from glyn and mattmoor and removed request for srinivashegde86 and dushyanthsc 10 days ago

Reviewers

- mattmoor
- glyn ✓

Assignees

- srinivashegde86
- mattmoor

Labels

- approved
- lgtm
- size/XS

Life of a PR 3/8: Presubmit



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knative-prow-ro... commented 21 hours ago

Member + 😊 ...

@aaron-prindle: The following test **failed**, say `/retest` to rerun them all:

Test name	Commit	Details	Rerun command
pull-knative-build-integration-tests	73d3fd6	link	<code>/test pull-knative-build-integration-tests</code>

[Full PR test history.](#) [Your PR dashboard.](#)

► Details

Add more commits by pushing to the **no-init-containers** branch on **aaron-prindle/build**.



Review requested

[Show all reviewers](#)

Review has been requested on this pull request. It is not required to merge. [Learn more.](#)

Some checks were not successful

[Hide all checks](#)

1 failing, 1 pending, and 4 successful checks

- pull-knative-build-integration-tests** — Job failed. Required [Details](#)
- tide** Pending — Not mergeable. Needs approved, lgtm labels. Required [Details](#)
- cla/google** — All necessary CLAs are signed. Required
- pull-knative-build-build-tests** — Job succeeded. Required [Details](#)
- pull-knative-build-go-coverage** — Job succeeded. [Details](#)

Life of a PR 4/8: Retest



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srinivashegde86 commented an hour ago

Member + 😊 ...

/retest

Add more commits by pushing to the **feature/test_cleanup** branch on **alculquicondor/serving**.



Review requested

Show all reviewers

Review has been requested on this pull request. It is not required to merge. [Learn more](#).



Some checks haven't completed yet

Hide all checks

4 pending and 3 successful checks



pull-knative-serving-build-tests Pending — Job triggered.

Required Details



pull-knative-serving-integration-tests Pending — Job triggered.

Required Details



pull-knative-serving-unit-tests Pending — Job triggered.

Required Details



pull-knative-serving-upgrade-tests Pending — Job triggered.

Required Details



cla/google — All necessary CLAs are signed

Required



Required statuses must pass before merging

All required [statuses](#) and check runs on this pull request must run successfully to enable automatic merging.

Squash and merge



or view [command line instructions](#).



Life of a PR 5/8: Review



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mattmoor commented 20 hours ago

Member + 😊 ...

/test pull-knative-serving-upgrade-tests



mdemirhan commented 3 hours ago

Member + 😊 ...

@yanweigu @akyyy The tests are finally passing. Please take a look and let me know if you have more feedback.



akyyy reviewed 2 hours ago

View changes

cmd/controller/main.go

```
... .. @@ -192,6 +193,8 @@ func main() {
192 193
193 194 // Watch the logging config map and dynamically update logging level
194 195 configMapWatcher.Watch(logging.ConfigName, logging.UpdateLevelFromCo
196 + // Watch the observability config map and dynamically update metrics
197 + configMapWatcher.Watch(metrics.ObservabilityConfigName, metrics.Upda
```



akyyy 2 hours ago Member

In this file, you need to load volume "etc/config-observability" and add that mount path in controller yaml file?



Reply...

Resolve conversation

Add more commits by pushing to the `reconciler_metrics` branch on `mdemirhan/serving`.

Life of a PR 6/8: Coverage



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alculquicondor 5 hours ago Member

Actually, I just checked and the Ready condition doesn't change when the service scales to 0. So, this should be fine.

Reply...

Resolve conversation

alculquicondor added some commits 23 hours ago

- Merge branch 'master' into feature/perf_service_creation c5c92ec
- Merge branch 'master' into feature/perf_service_creation f54a069

covbot commented 5 hours ago Member

The following is the coverage report on pkg/.
Say `/test pull-knative-serving-go-coverage` to re-run this coverage report

File	Old Coverage	New Coverage	Delta
pkg/reconciler/stats_reporter.go	Do not exist	78.6%	
pkg/reconciler/v1alpha1/service/service.go	91.4%	91.8%	0.4

mdemirhan requested changes 3 hours ago View changes

```
pkg/reconciler/stats_reporter.go
28 + type Measurement int
29 +
30 + const (
31 +     // ServiceTimeUntilReadyM is the time it takes for a service to be
```

mdemirhan 3 hours ago Member

We used to use this pattern if there are multiple measurements with the same signature/tags. However; for a single measurement, or for multiple measurements that have different signatures, it would be better to just skip this model and use a simpler thing (see https://github.com/knative/pkg/blob/master/controller/stats_reporter.go).

Life of a PR 7/8: LGTM



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mattmoor reviewed 10 days ago

[View changes](#)

```
/lgtm
/approve
```



knative-prow-robot assigned **mattmoor** 10 days ago



knative-prow-robot added **lgtm** **approved** labels 10 days ago



glyn approved these changes 10 days ago

[View changes](#)

LGTM, thanks!



knative-prow-ro... commented 10 days ago

Member + 😊 ...

[APPROVALNOTIFIER] This PR is **APPROVED**

This pull-request has been approved by: [adrcunha](#), [glyn](#), [mattmoor](#)

The full list of commands accepted by this bot can be found [here](#).

The pull request process is described [here](#)

► Details

Projects

None yet

Milestone

No milestone

Notifications

🔊 Unsubscribe

You're receiving notifications because you were mentioned.

5 participants



🔒 Lock conversation

Allow edits from maintainers.

[Learn more](#)

Life of a PR 8/8: PR merged



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The screenshot shows a GitHub pull request interface. At the top, a comment from 'knative-prow-robot' states 'This PR is APPROVED' and lists approved members: 'adrcunha, mattmoor'. Below this, another comment from 'knative-prow-robot' indicates the PR has been merged into the 'knative:master' branch. A large green arrow points to this merge commit. Underneath, a list of 7 checks passed is shown, including 'All necessary CLAs are signed' and various test jobs. At the bottom, a notification states 'Pull request successfully merged and closed' and offers a 'Delete branch' button. A comment input area is visible at the very bottom.

knative-prow-robot added the `lgtm` label 4 hours ago

knative-prow-ro... commented 4 hours ago

[APPROVALNOTIFIER] This PR is **APPROVED**

This pull-request has been approved by: [adrcunha](#), [mattmoor](#)

The full list of commands accepted by this bot can be found [here](#).

The pull request process is described [here](#)

► Details

knative-prow-robot added the `approved` label 4 hours ago

knative-prow-robot merged commit `F4a5623` into `knative:master` 4 hours ago

7 checks passed

- ✓ `cia/google` All necessary CLAs are signed
- ✓ `pull-knative-serving-build-tests` Job succeeded. [Details](#)
- ✓ `pull-knative-serving-go-coverage` Job succeeded. [Details](#)
- ✓ `pull-knative-serving-integration-tests` Job succeeded. [Details](#)
- ✓ `pull-knative-serving-unit-tests` Job succeeded. [Details](#)
- ✓ `pull-knative-serving-upgrade-tests` Job succeeded. [Details](#)
- ✓ `tide` In merge pool. [Details](#)

Pull request successfully merged and closed

You're all set—the `adrcunha:re1` branch can be safely deleted. [Delete branch](#)

Write Preview

AA B i « > @

Leave a comment

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported [Comment](#)

Agenda



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- What's Knative?
- The Productivity WG
- Architecture and details
- Life of a PR (demo)
- **Q&A**



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