

git_comments:**git_commits:**

1. **summary:** Use static metric names when tag support is enabled (#4407)
message: Use static metric names when tag support is enabled (#4407)

github_issues:

1. **title:** Provide option to support static metric names
body: OpenWhisk currently use dynamic metric names for some of the cases. The dynamic case has 2 variants 1. Finite Bounded options - Some of the metric names have finite states like `openwhisk.counter.invoker_docker.<cmd>_start` 2. Non bounded options - Metric names like those used for Kafka stats `openwhisk.histogram.kafka_invoker0_count` use instance id for the name. As these id can be many the metric names can be many and setup dependent. Its possible to aggregate such metrics via use of regex or wildcard. However some systems like [Datadog does not support regex][1] which makes it tricky to analyze such metrics. Suggested way is to use Tags which is supported by #3343. As a solution may be we expose another option for disabling use of dynamic names in unbounded cases and instead use tags. [1]: <https://docs.datadoghq.com/graphing/faq/when-i-query-can-i-use-wildcards-in-metric-names-and-events/>
label: code-design
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github_issues_comments:

1. **body:** One workaround for now is to set `kamon.statsd.simple-metric-key-generator.include-hostname` to `false` which will remove the hostname part of the metric name. It doesn't add any tags for the controller/invoker instance ids but for overall metrics it works. This should also be easier to implement in a backwards compatible way if tags are added to the current metrics so it's only additive. Then setting `include-hostname` to `false` will satisfy systems that need static metric names.
label: code-design

github_pulls:

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body: As discussed in #3917 in some of the cases we generate dynamic metric names where the possible values are not bounded. For such cases it would be better to capture such dynamic part as tags such that metric system which does not support regex over metric names can work on tags Fixes #3917 ## Related issue and scope <!-- Please include a link to a related issue if there is one. --> - [x] I opened an issue to propose and discuss this change (#3917) ## My changes affect the following components <!-- Select below all system components are affected by your change. --> <!-- Enter an `x` in all applicable boxes. --> - [] API - [] Controller - [] Message Bus (e.g., Kafka) - [] Loadbalancer - [] Invoker - [] Intrinsic actions (e.g., sequences, conductors) - [] Data stores (e.g., CouchDB) - [] Tests - [] Deployment - [] CLI - [] General tooling - [] Documentation ## Types of changes <!-- What types of changes does your code introduce? Use `x` in all the boxes that apply: --> - [] Bug fix (generally a non-breaking change which closes an issue). - [] Enhancement or new feature (adds new functionality). - [x] Breaking change (a bug fix or enhancement which changes existing behavior). ## Checklist: <!-- Please review the points below which help you make sure you've covered all aspects of the change you're making. --> - [] I signed an [Apache CLA](https://github.com/apache/incubator-openwhisk/blob/master/CONTRIBUTING.md). - [] I reviewed the [style guides](https://github.com/apache/incubator-openwhisk/wiki/Contributing:-Git-guidelines#code-readiness) and followed the recommendations (Travis CI will check :). - [] I added tests to cover my changes. - [] My changes require further changes to the documentation. - [] I updated the documentation where necessary.
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```
# [Codecov](https://codecov.io/gh/apache/incubator-openwhisk/pull/4407?src=pr&el=h1) Report > Merging [#4407](https://codecov.io/gh/apache/incubator-openwhisk/pull/4407?src=pr&el=desc) into [master](https://codecov.io/gh/apache/incubator-openwhisk/commit/13f542f5df02661c2b9ccd08b95e7bc33e8aad0e?src=pr&el=desc) will **decrease** coverage by `3.64%`. > The diff coverage is `42.85%`. [[Impacted file tree graph](https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/graphs/tree.svg?width=650&token=I0YmsiSAs0&height=150&src=pr)](https://codecov.io/gh/apache/incubator-openwhisk/pull/4407?src=pr&el=tree) ``diff @@ Coverage Diff @@ ## master #4407 +/- ## ===== - Coverage 84.21% 80.56% -3.65% ===== Files 169 169 Lines 7873 7893 +20 Branches 543 547 +4 ===== - Hits 6630 6359 -271 - Misses 1243 1534 +291 `` | [Impacted Files]

(https://codecov.io/gh/apache/incubator-openwhisk/pull/4407?src=pr&el=tree) | Coverage Δ | |---|---|---|
|...in/scale/org/apache/openwhisk/common/Logging.scala|(https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/diff?src=pr&el=tree#diff-Y29tbW9uL3NjYWxhL3NyYy9tYWluL3NjYWxhL29yZy9hcGFjaGUvb3BlbnDooXNrL2NvbW1vbi9Mb2dnaW5nLnNjYWxh) | `69.75%` <42.85%> (-7.01%)` |
:arrow_down: | |...core/database/cosmosdb/RxObservableImplicits.scala|(https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/diff?src=pr&el=tree#diff-Y29tbW9uL3NjYWxhL3NyYy9tYWluL3NjYWxhL29yZy9hcGFjaGUvb3BlbnDooXNrL2NvcmlUvZGF0YWJhc2UvYy9zbW9zZG1vUnhPYnNlcnZhYmxlSW1wbWw) |
|`0%` <0%> (-100%)` | :arrow_down: | |...core/database/cosmosdb/CosmosDBArtifactStore.scala|(https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/diff?src=pr&el=tree#diff-Y29tbW9uL3NjYWxhL3NyYy9tYWluL3NjYWxhL29yZy9hcGFjaGUvb3BlbnDooXNrL2NvcmlUvZGF0YWJhc2UvYy9zbW9zZG1vQ29zbW9zREJBcnRpZmFjdCk) |
|`0%` <0%> (-95.46%)` | :arrow_down: | |...sk/core/database/cosmosdb/CosmosDBViewMapper.scala|(https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/diff?src=pr&el=tree#diff-Y29tbW9uL3NjYWxhL3NyYy9tYWluL3NjYWxhL29yZy9hcGFjaGUvb3BlbnDooXNrL2NvcmlUvZGF0YWJhc2UvYy9zbW9zZG1vQ29zbW9zREJWaWV3TWF) |
|`0%` <0%> (-92.67%)` | :arrow_down: | |...whisk/core/database/cosmosdb/CosmosDBSupport.scala|(https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/diff?src=pr&el=tree#diff-Y29tbW9uL3NjYWxhL3NyYy9tYWluL3NjYWxhL29yZy9hcGFjaGUvb3BlbnDooXNrL2NvcmlUvZGF0YWJhc2UvYy9zbW9zZG1vQ29zbW9zREJtDXBwb3JOL) |
|`0%` <0%> (-84.62%)` | :arrow_down: | |...abase/cosmosdb/CosmosDBArtifactStoreProvider.scala|(https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/diff?src=pr&el=tree#diff-Y29tbW9uL3NjYWxhL3NyYy9tYWluL3NjYWxhL29yZy9hcGFjaGUvb3BlbnDooXNrL2NvcmlUvZGF0YWJhc2UvYy9zbW9zZG1vQ29zbW9zREJBcnRpZmFjdCk) |
|`4%` <0%> (-52%)` | :arrow_down: | |...in/scale/org/apache/openwhisk/common/Counter.scala|(https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/diff?src=pr&el=tree#diff-Y29tbW9uL3NjYWxhL3NyYy9tYWluL3NjYWxhL29yZy9hcGFjaGUvb3BlbnDooXNrL2NvbW1vbi9Db3VudGVyLnNjYWxh) |
|`40%` <0%> (-20%)` |
:arrow_down: | |...penwhisk/core/database/cosmosdb/CosmosDBUtil.scala|(https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/diff?src=pr&el=tree#diff-Y29tbW9uL3NjYWxhL3NyYy9tYWluL3NjYWxhL29yZy9hcGFjaGUvb3BlbnDooXNrL2NvcmlUvZGF0YWJhc2UvYy9zbW9zZG1vQ29zbW9zREJvDGlsLnNjYV) |
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|`94.11%` <0%> (-5.89%)` | :arrow_down: | |... and [24 more](https://codecov.io/gh/apache/incubator-openwhisk/pull/4407/diff?src=pr&el=tree-more) | | -----
[Continue to review full report at Codecov](https://codecov.io/gh/apache/incubator-openwhisk/pull/4407?src=pr&el=continue). > **Legend** - [Click here to learn more](https://docs.codecov.io/docs/codecov-delta) > `Δ` = absolute <relative> (impact) , `ø` = not affected , `?` = missing data `> Powered by [Codecov](https://codecov.io/gh/apache/incubator-openwhisk/pull/4407?src=pr&el=lastupdated). Last update [13f542f...4119d20](https://codecov.io/gh/apache/incubator-openwhisk/pull/4407?src=pr&el=lastupdated). Read the [comment docs](https://docs.codecov.io/docs/pull-request-comments).
```

2. Thanks Cosmin. @SugandhaAgrawal do you have any comments before I merge?

3. @rabbah - I would need a day to check on this until then **please do not merge**.

4. @rabbah Thanks for the wait. Please feel free to ****merge****. I am good 🙌

github_pulls_reviews:

1. 👍 This would allow grouping by `invoker` in Datadog

jira_issues:

jira_issues_comments: