

KIP-743: Remove config value 0.10.0-2.4 of Streams built-in metrics version config

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Status

Current state: Under Discussion

Discussion thread: <https://lists.apache.org/x/thread.html/rb942356f03c4a1e3d313eb20548129f6c508777a327935af169c60d2@%3Cdev.kafka.apache.org%3E>

JIRA: [KAFKA-12519](#) - Getting issue details... STATUS

Please keep the discussion on the mailing list rather than commenting on the wiki (wiki discussions get unwieldy fast).

Motivation

In KIP-444 we refactored the structure of the built-in metrics in Streams. In order to allow users to still use the old metrics structure, we introduced the Streams config `built.in.metrics.version` with values `0.10.0-2.4` and `latest`. Maintaining the code for the old and the new structure of the built-in metrics is error-prone and probably not necessary anymore since enough time passed since KIP-444 was released. Moreover, new metrics that were added after KIP-444 only conform to the new structure, so that if users still rely on the old built-in metrics structure they have to deal with a mix of the old and the new structure.

We propose to remove the config value `0.10.0-2.4` for Streams config `built.in.metrics.version` in AK 3.0.0.

Public Interfaces

Remove

```
public static final String METRICS_0100_TO_24 = "0.10.0-2.4";
```

from `StreamsConfig.java`.

Proposed Changes

We plan to remove value `0.10.0-2.4` of config `built.in.metrics.version` in AK 3.0.0.

We remove the config value without first deprecating it in Java code because we effectively deprecated it 2.5 by choosing `latest` as the default value for `built.in.metrics.version` and stating in KIP-444 that `0.10.0-2.4` was introduced to allow users having a grace period of changing their corresponding monitoring. For future additions of new values to this config, we should improve by officially deprecating values other than `latest` right away when the values are introduced.

Compatibility, Deprecation, and Migration Plan

Config value `0.10.0-2.4` of config `built.in.metrics.version` will be removed in AK 3.0.0. Users that set `0.10.0-2.4` need to switch to config value `latest` and adapt their monitoring.

Rejected Alternatives

- **Removing the complete config `built.in.metrics.version`:** The config can still be used for future changes to the built-in metrics.
- **Deprecating config value `0.10.0-2.4`:** The config value was effectively deprecated when it was introduced, so that we think we can remove the config value right away without causing too much troubles.