

KIP-626: Rename StreamsConfig config variable name


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Status

Current state: *Accepted*

Discussion thread: Discussion was skipped. [\[VOTE\] KIP-626: Rename StreamsConfig config variable name](#)

JIRA:

 Unable to render Jira issues macro, execution error.

Released: 2.7

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

Motivation

All Kafka Streams configuration parameter are exposed via public variables in `StreamsConfig` class and all end with `_CONFIG` suffix. However, we added the variable of `"topology.optimization"` as `TOPOLOGY_OPTIMIZATION` instead of `TOPOLOGY_OPTIMIZATION_CONFIG` and thus don't follow the commonly applied naming pattern.

Public Interfaces

We propose to update the variable name to match the common naming pattern. Note, that the parameter name itself is not affected.

```
public class StreamsConfig {
    @Deprecated
    public static final String TOPOLOGY_OPTIMIZATION = "topology.optimization";

    // new
    public static final String TOPOLOGY_OPTIMIZATION_CONFIG = "topology.optimization";
}
```

Proposed Changes

We rename the public variable to align it to the common naming schema by deprecating the existing variable, and adding a new one with the corrected name.

Compatibility, Deprecation, and Migration Plan

- Users using parameter name `"topology.optimization"` directly (ie, config scripts etc) are not affected
- Users using `StreamsConfig#TOPOLOGY_OPTIMIZATION` can update their code to `StreamsConfig#TOPOLOGY_OPTIMIZATION_CONFIG`

Test Plan

No additional testing is required.

Rejected Alternatives

None.