

# KIP-243: Make `ProducerConfig` and `ConsumerConfig` constructors public

- [Status](#)
- [Motivation](#)
- [Public Interfaces](#)
- [Proposed Changes](#)
- [Compatibility, Deprecation, and Migration Plan](#)
- [Test Plan](#)
- [Rejected Alternatives](#)

## Status

**Current state:** *Accepted*

**Discussion thread:** [\[VOTE\] KIP-243: Make `ProducerConfig` and `ConsumerConfig` constructors public](#) (no DISCUSS thread)

**JIRA:** [KAFKA-6382](#)

**Released:** 1.1.0

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

## Motivation

Constructors of `ProducerConfig` and `ConsumerConfig` are not public at the moment. This makes it hard to access default values for configurations. For Kafka Streams, we need access to those default value sometime and are forced to hardcode them via "copy and paste". Making constructors public allows programmatic access without the danger to forget updating Streams code in case a producer or consumer default value changes. (Note, `AdminConfig` constructor is already public.)

## Public Interfaces

This only affects `ProducerConfig` and `ConsumerConfig`

```
// old API
ProducerConfig(Map<?, ?> props);
ConsumerConfig(Map<?, ?> props);

// new API
public ProducerConfig(Properties props);
public ProducerConfig(Map<String, Object> props);
public ConsumerConfig(Properties props);
public ConsumerConfig(Map<String, Object> props);
```

## Proposed Changes

We suggest to make both constructors public.

## Compatibility, Deprecation, and Migration Plan

- We only add new public methods, thus, there is no compatibility issue.

## Test Plan

Existing tests have already access to the constructors and thus no new tests are required.

## Rejected Alternatives

None.