

KIP-331 Add default implementation to close() and configure() for Serializer, Deserializer and Serde

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Status

Current state: *adopt*

Discussion thread: [here](#)

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JIRA: [KAFKA-6161](#) - 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 most cases the method close() and configure() are useless for kafka users. Since kafka 2.x+ is up on jdk8, we can add the default implementation in order to enable kafka user to write less code to implement custom Serializer, Deserializer, and Serde.

Proposed Changes && Public Interfaces

// org.apache.kafka.common.serialization.Serde, org.apache.kafka.common.serialization.Serializer and org.apache.kafka.common.serialization.Deserializer, we will add empty implementations to close() and configure().

Serde.java

```
default void configure(Map<String, ?> configs, boolean isKey) {
    // intentionally left blank
}
default void close() {
    // intentionally left blank
}
```

Serializer

```
public interface Serializer<T> extends Closeable {
    default void configure(Map<String, ?> configs, boolean isKey) {
        // intentionally left blank
    }
    default void close() {
        // intentionally left blank
    }
}
```

Deserializer

```
public interface Deserializer<T> extends Closeable {
    default void configure(Map<String, ?> configs, boolean isKey) {
        // intentionally left blank
    }
    default void close() {
        // intentionally left blank
    }
}
```

Compatibility, Deprecation, and Migration Plan

- *The change of this KIP is backward compatible since the default implementation won't break the BC and SC*
- *No compiler error happens even if close() or configure() isn't implemented.*

Rejected Alternatives

None