

KIP-959: Add BooleanConverter to Kafka Connect

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Status

Current state: *Accepted*

Discussion thread: [here](#)

Vote thread: [here](#)

JIRA: [KAFKA-15248](#)

Motivation

[KIP-907](#) introduced new SerDes for Booleans in the *org.apache.kafka.common.serialization* package. This small KIP proposes extending the new SerDes to Kafka Connect, by adding a new **org.apache.kafka.connect.converter.BooleanConverter** class to convert from/to *org.apache.kafka.connect.data.Schema.Type.BOOLEAN* types.

Public Interfaces

A new BooleanConverter class will be added to the *org.apache.kafka.connect.converter* package implementing the *org.apache.kafka.connect.storage.Converter* and *org.apache.kafka.connect.storage.HeaderConverter* interfaces.

Proposed Changes

Most of the Connect Schema [primitive types](#) have converters that are used for serialization. This KIP proposes using the newly added [BooleanSerializer](#) / [BooleanDeserializer](#) classes to add support for booleans as well. Just like the other converters for primitives, the schema type returned during deserialization will always be an **optional** boolean schema (a note will be added to the converter's JavaDoc).

Compatibility, Deprecation, and Migration Plan

- As this is a new converter, there's no impact on existing connect users.

Test Plan

- New BooleanConverterTest will be added to the connect/runtime test suite

Rejected Alternatives

Users who want to convert from/to Type.BOOLEAN can implement their own converter (the implementation is rather simple)