KIP-689: Extend `StreamJoined` to allow more store configs

Status

Current state: Accepted

Discussion thread: *here*

Voting thread: *here*

JIRA: **KAFKA-9126** - Getting issue details... STATUS

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

Motivation

KIP-479, implemented in Kafka 2.4.0, added `StreamJoined` to Kafka Streams as a way to extend features of `Materialized` to stream-stream joins. During the KIP discussion, adding the option to disable logging was discussed but not implemented through KIP-479. Adding this feature allows users more flexibility over their store and fits with the original goal of extending `Materialized` features to stream-stream joins.

Public Interfaces

This KIP will add the following two methods as well as a `loggingEnabled` variable and a `topicConfig` variable to store any configs passed in when enabling logging.

Methods Added to StreamJoined

```
public StreamJoined<K, V1, V2> withLoggingEnabled(final Map<String, String> config) {}

public StreamJoined<K, V1, V2> withLoggingDisabled() {}
```

Proposed Changes

We will add two new methods to `StreamJoined` to allow users to determine whether they want logging for their stores. This config sets the logging decision for **both stores**, meaning that if logging is disabled for `thisWindowStore`, it will also be disabled for `otherWindowStore`. The default value for `loggingEnabled` will be `true`, enabling logging for both stores if the user does not set the values manually.

Compatibility, Deprecation, and Migration Plan

As this is not deprecating or changing default behavior there should be no compatibility issues

Rejected Alternatives

- Including `withRetentionPeriod()` skipped as there is no reason for a user to configure a certain retention time for joins
- Including withCachingEnabled/Disabled skipped because joins always retain duplicates which is incompatible with caching (see **KAFKA-9921** - Getting issue details... STATUS)