KIP-818: Introduce cache-size-bytes-total Task Level Metric

Status

Current state: Discussion

Discussion Thread: here

⚠ **Unable to render Jira issues macro, execution error.**

JIRA:

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

Motivation

KIP-770 introduced a new config called **input.buffer.max.bytes** and also a corresponding task level metric. While implementing the KIP, it was noticed that a similar metric to track the cache size in bytes at a task level is missing and would be a good addition. This KIP aims to introduce the same.

Proposed Changes

Add a new metric called **cache-size-bytes-total.** This would be a task level metric to track the cache size in bytes accumulated by this task.

Public Interfaces

- Adding new metric called **cache-size-bytes-total .**
  - type = stream-task-metrics
  - thread-id = [thread ID]
  - task-id = [task ID]
  - The recording level for all metrics will be **DEBUG**
  - **Description**: The cache size in bytes accumulated by this task.

Compatibility, Deprecation, and Migration Plan

- None. Since this is a net new metric.

Rejected Alternatives

- None