

# Release Plan 3.1.0

## Release Dates

- KIP Freeze: 15 Oct 2021 (A KIP must be accepted by this date in order to be considered for this release. Note, any KIP that may not be implemented in a week, or that might destabilize the release, should be deferred.)
- Feature Freeze: 29 Oct 2021 (major features merged & working on stabilization, minor features have PR, release branch cut; anything not in this state will be automatically moved to the next release in JIRA)
- Code Freeze: 12 Nov 2021
- At least two weeks of stabilization will follow Code Freeze.

These dates are goals and subject to change, but we expect to stay on the [Time Based Release Plan](#) unless unexpected critical issues come up. While the earliest possible release date is 2w after code freeze, release candidates (RCs) will roll out as needed until the release vote passes.

The release manager is [David Jacot](#)

## How to Contribute

### Before code freeze:

- Participate in votes and discussions to land or postpone the open KIPs.
- Review patches. We anticipate that this release, as it usually happens, will be bottlenecked mostly on reviews. The more reviewers, the more content we can fit in.
- Write unit/integration/system tests. We want to preserve the tradition of high-quality releases in Apache Kafka.

### After code freeze:

- Write more unit/integration/system tests. We want to preserve the tradition of high-quality releases in Apache Kafka.
- Improve documentation.
- Test the release candidates.
- Open blocker JIRAs on critical issues found. Open non-blocker JIRAs on any other issues found.
- Fix critical bugs.
- Review bug fixes.
- Vote on release candidates. Even though only PMC votes are binding, community votes are super important as we evaluate the readiness of the release.

## Open Issues

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution
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JQL and issue key arguments for this macro require at least one Jira application link to be configured


Also feel free to refer to this release [page](#) for more details of the included tickets (requires log in to the Apache Kafka Jira project).

## Planned KIP Content







Note: The planned content is not binding - final content will be based the features committed by branch-cutting date. See [Kafka Improvement Proposals](#) for the full list of KIPs.






KIP	JIRA	Component
<a href="#">KIP-775: Custom partitioners in foreign key joins</a>	<div> Unable to render Jira issues macro, execution error.</div>	Streams

KIP-783: Add TaskId field to StreamsException	 Unable to render Jira issues macro, execution error.	Streams
KIP-773: Differentiate consistently metric latency measured in millis and nanos	 Unable to render Jira issues macro, execution error.	Clients
KIP-768: Extend SASL/OAUTHBEARER with Support for OIDC	 Unable to render Jira issues macro, execution error.	Core/Clients
KIP-766: fetch/findSessions queries with open endpoints for SessionStore/WindowStore	 Unable to render Jira issues macro, execution error.	Streams
KIP-763: Range queries with open endpoints	 Unable to render Jira issues macro, execution error.	Streams
KIP-761: Add Total Blocked Time Metric to Streams	 Unable to render Jira issues macro, execution error.	Streams
KIP-748: Add Broker Count Metrics	 Unable to render Jira issues macro, execution error.	Core
KIP-690: Add additional configuration to control MirrorMaker 2 internal topics naming convention	 Unable to render Jira issues macro, execution error.	MirrorMaker

KIP-633: Deprecate 24-hour Default Grace Period for Windowed Operations in Streams	<div>  Unable to render Jira issues macro, execution error. </div> <div>  Unable to render Jira issues macro, execution error. </div>	Streams
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## Postponed to subsequent release

KIP	JIRA	Component
KIP-726: Make the "cooperative-sticky, range" as the default assignor	<div>  Unable to render Jira issues macro, execution error. </div>	Clients
KIP-709: Extend OffsetFetch requests to accept multiple group ids.	<div>  Unable to render Jira issues macro, execution error. </div>	Clients
KIP-708: Rack aware StandbyTask assignment for Kafka Streams	<div>  Unable to render Jira issues macro, execution error. </div>	Streams
KIP-698: Add Explicit User Initialization of Broker-side State to Kafka Streams	<div>  Unable to render Jira issues macro, execution error. </div>	Streams
KIP-691: Enhance Transactional Producer Exception Handling	<div>  Unable to render Jira issues macro, execution error. </div>	Clients
KIP-627: Expose Trogdor-specific JMX Metrics for Tasks and Agents	<div>  Unable to render Jira issues macro, execution error. </div>	Trogdor

<p>KIP-618: Exactly-Once Support for Source Connectors</p>	<div data-bbox="553 138 1195 306">  Unable to render Jira issues macro, execution error. /         </div> <div data-bbox="553 348 1195 516">  Unable to render Jira issues macro, execution error.         </div>	<p>Connect</p>
<p>KIP-653: Upgrade log4j to log4j2</p>	<div data-bbox="553 537 1195 705">  Unable to render Jira issues macro, execution error.         </div>	<p>Clients, Connect, Core, Streams</p>
<p>KIP-405: Kafka Tiered Storage</p>	<div data-bbox="553 730 1195 898">  Unable to render Jira issues macro, execution error.         </div>	<p>Core</p>
<p>KIP-390: Support Compression Level</p>	<div data-bbox="553 924 1195 1092">  Unable to render Jira issues macro, execution error.         </div>	<p>Core, Clients</p>