Release Plan 3.0.0

Release Dates

- KIP Freeze: 09 Jun 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 (new date): 30 Jun 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 (new date): 14 Jul 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 Konstantine Karantasis

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

> ⚠ 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
KIP-751: Drop support for Scala 2.12 in Kafka 4.0 (deprecate in 3.0)	⚠ Unable to render Jira issues macro, execution error.	Documentation

KIP-750: Drop support for Java 8 in Kafka 4.0 (deprecate in 3.0)	⚠ Unable to render Jira issues macro, execution error.	Documentation
KIP-746: Revise KRaft Metadata Records	⚠ Unable to render Jira issues macro, execution error.	Core
KIP-745: Connect API to restart connector and tasks	⚠ Unable to render Jira issues macro, execution error.	Connect
KIP-744: Migrate TaskMetadata and ThreadMetadata to an interface with internal implementation	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-743: Remove config value 0.10.0-2.4 of Streams built-in metrics version config	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-741: Change default serde to be null	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-740: Clean up public API in TaskId and fix TaskMetadata#taskId()	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-738: Removal of Connect's internal converter properties	⚠ Unable to render Jira issues macro, execution error.	Connect
KIP-735: Increase default consumer session timeout	⚠ Unable to render Jira issues macro, execution error.	Clients

[KIP-734: Improve AdminClient.listOffsets to return timestamp and offset for the record with the largest timestamp](#)	⚠ Unable to render Jira issues macro, execution error.	Clients
[KIP-733: change Kafka Streams default replication factor config](#)	⚠ Unable to render Jira issues macro, execution error.	Streams
[KIP-732: Deprecate eos-alpha and replace eos-beta with eos-v2](#)	⚠ Unable to render Jira issues macro, execution error.	Streams
[KIP-730: Producer ID generation in KRaft mode](#)	⚠ Unable to render Jira issues macro, execution error.	Core, Clients
[KIP-725: Streamlining configurations for WindowedSerializer and WindowedDeserializer.](#)	⚠ Unable to render Jira issues macro, execution error.	Streams
[KIP-724: Drop support for message formats v0 and v1](#)	⚠ Unable to render Jira issues macro, execution error.	Core, Clients
[KIP-722: Enable connector client overrides by default](#)	⚠ Unable to render Jira issues macro, execution error.	Connect
[KIP-721: Enable connector log contexts in Connect Log4j configuration](#)	⚠ Unable to render Jira issues macro, execution error.	Connect
[KIP-720: Deprecate MirrorMaker v1](#)	⚠ Unable to render Jira issues macro, execution error.	Core

KIP-716: Allow configuring the location of the offset-syncs topic with MirrorMaker2	⚠ Unable to render Jira issues macro, execution error.	MirrorMaker
KIP-715: Expose Committed offset in streams	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-709: Extend OffsetFetch requests to accept multiple group ids.	⚠ Unable to render Jira issues macro, execution error.	Core, Clients
KIP-707: The future of KafkaFuture	⚠ Unable to render Jira issues macro, execution error.	Clients
KIP-699: Update FindCoordinator to resolve multiple Coordinators at a time	⚠ Unable to render Jira issues macro, execution error.	Core, Clients
KIP-695: Further Improve Kafka Streams Timestamp Synchronization	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-679: Producer will enable the strongest delivery guarantee by default	⚠ Unable to render Jira issues macro, execution error.	Clients
KIP-666: Add Instant-based methods to ReadOnlySessionStore	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-633: Drop 24 hour default of grace period in Streams	⚠ Unable to render Jira issues macro, execution error.	Streams

KIP-630: Kafka Raft Snapshot	⚠ Unable to render Jira issues macro, execution error.	Core
KIP-623: Add "internal-topics" option to streams application reset tool	⚠ Unable to render Jira issues macro, execution error.	Streams, Tools
KIP-622: Add currentSystemTimeMs and currentStreamTimeMs to ProcessorContext	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-466: Add support for List<T> serialization and deserialization	⚠ Unable to render Jira issues macro, execution error.	Clients, Streams

Postponed to subsequent release

KIP	JIRA	Component
KIP-726: Make the "cooperative-sticky, range" as the default assignor	⚠ Unable to render Jira issues macro, execution error.	Clients
KIP-708: Rack awareness for Kafka Streams	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-698: Add Explicit User Initialization of Broker-side State to Kafka Streams	⚠ Unable to render Jira issues macro, execution error.	Streams
KIP-691: Enhance Transactional Producer Exception Handling	⚠ Unable to render Jira issues macro, execution error.	Clients

[KIP-653: Upgrade log4j to log4j2](#)	⚠ Unable to render Jira issues macro, execution error.	Applies to almost all the components
[KIP-405: Kafka Tiered Storage](#)	⚠ Unable to render Jira issues macro, execution error.	Core
[KIP-390: Support Compression Level](#)	⚠ Unable to render Jira issues macro, execution error.	Clients