

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
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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
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