

Release Plan 2.7.0 (Nov 2020)

Release Dates

- KIP Freeze: Sep 30, 2020 (a KIP must be accepted by this date in order to be considered for this release)
- Feature Freeze: Oct 7, 2020 (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: Oct 21, 2020
- Released Dec 21, 2020

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 target release date is fixed at ~2w after code freeze, RCs will roll out as needed until the release vote passes.

The release manager is [Bill Bejeck](#)

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 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 RCs. 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.

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-662: Throw Exception when Source Topics of a Streams App are Deleted	 Unable to render Jira issues macro, execution error.	Kafka Streams

KIP-654: Aborted transaction with non-flushed data should throw a non-fatal exception	 Unable to render Jira issues macro, execution error.	Kafka Clients
KIP-651 - Support PEM format for SSL certificates and private key	 Unable to render Jira issues macro, execution error.	Core
KIP-648: Renaming getter method for Interactive Queries	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-632: Add DirectoryConfigProvider	 Unable to render Jira issues macro, execution error.  Unable to render Jira issues macro, execution error.	
KIP-626: Rename StreamsConfig config variable name	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-620 Deprecate ConsumerConfig#addDeserializerToConfig and ProducerConfig#addSerializerToConfig	 Unable to render Jira issues macro, execution error.	Kafka Clients
KIP-617: Allow Kafka Streams State Stores to be iterated backwards	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-616: Rename implicit Serdes instances in kafka-streams-scala	 Unable to render Jira issues macro, execution error.	Kafka Streams

KIP-613: Add end-to-end latency metrics to Streams	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-612: Ability to Limit Connection Creation Rate on Brokers	 Unable to render Jira issues macro, execution error.	Core
KIP-607: Add Metrics to Kafka Streams to Report Properties of RocksDB	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-601: Configurable socket connection timeout in NetworkClient	 Unable to render Jira issues macro, execution error.	Core
KIP-599: Throttle Create Topic, Create Partition and Delete Topic Operations	 Unable to render Jira issues macro, execution error.	Core
KIP-597: MirrorMaker2 internal topics Formatters	 Unable to render Jira issues macro, execution error.	
KIP-584: Versioning scheme for features	 Unable to render Jira issues macro, execution error.	
KIP-572: Improve timeouts and retries in Kafka Streams	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-554: Add Broker-side SCRAM Config API	 Unable to render Jira issues macro, execution error.	Core

KIP-545: support automated consumer offset sync across clusters in MM 2.0	 Unable to render Jira issues macro, execution error.	Mirror Maker 2.0
KIP-497: Add inter-broker API to alter ISR	 Unable to render Jira issues macro, execution error.	Core
KIP-478 - Strongly typed Processor API	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-450: Sliding Window Aggregations in the DSL	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-431: Support of printing additional ConsumerRecord fields in DefaultMessageFormatter	 Unable to render Jira issues macro, execution error.	Kafka Tools

Postponed to subsequent release

KIP	JIRA	Component
KIP-671: Introduce Kafka Streams Specific Uncaught Exception Handler	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-653: Upgrade log4j to log4j2	 Unable to render Jira issues macro, execution error.	

KIP-623: Add "internal-topics" option to streams application reset tool	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-608 - Expose Kafka Metrics in Authorizer	 Unable to render Jira issues macro, execution error.	Core
KIP-590: Redirect Zookeeper Mutation Protocols to The Controller	 Unable to render Jira issues macro, execution error.	Core
KIP-589 Add API to update Replica state in Controller	 Unable to render Jira issues macro, execution error.	Core
KIP-588: Allow producers to recover gracefully from transaction timeouts	 Unable to render Jira issues macro, execution error.	Kafka Clients
KIP-580: Exponential Backoff for Kafka Clients	 Unable to render Jira issues macro, execution error.	Kafka Clients
KIP-508: Make Suppression State Queriable	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-466: Add support for List<T> serialization and deserialization	 Unable to render Jira issues macro, execution error.	
KIP-418: A method-chaining way to branch KStream	 Unable to render Jira issues macro, execution error.	Kafka Streams

KIP-373: Allow users to create delegation tokens for other users	 Unable to render Jira issues macro, execution error.	
KIP-359: Verify leader epoch in produce requests	 Unable to render Jira issues macro, execution error.	Core
KIP-280: Enhanced log compaction	 Unable to render Jira issues macro, execution error.	Core
KIP-216: IQ should throw different exceptions for different errors	 Unable to render Jira issues macro, execution error.	Kafka Streams
KIP-81: Bound Fetch memory usage in the consumer	 Unable to render Jira issues macro, execution error.	Kafka Clients