

Release Plan 1.1.0 (2018 Feb.)

Release Dates

- KIP Freeze: January 23, 2018 (a KIP must be accepted by this date in order to be considered for this release)
- Feature Freeze: January 30, 2018 (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: February 13, 2018 (first RC created now)
- Release: March 28, 2018 (Tentatively)

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 [Damian Guy](#).

Release Features

This is a list of key features/improvements/bugfixes that we can include with release notes (WIP):

- Significant Controller improvements (much faster and session expiration edge cases fixed)
- Data balancing across log directories (JBOD)
- More efficient replication when the number of partitions is large
- Dynamic Broker Configs
- Delegation tokens (KIP-48)
- Kafka Streams API improvements (KIP-205 / 210 / 220 / 224 / 239)

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	Committer
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KIP-86: Configurable SASL callback handlers	 Unable to render Jira issues macro, execution error.	Broker	Rajini Sivaram
KIP-145 - Expose Record Headers in Kafka Connect	 Unable to render Jira issues macro, execution error.	Connect	Ewen Cheslack-Postava
KIP-149: Enabling key access in ValueTransformer, ValueMapper, and ValueJoiner	 Unable to render Jira issues macro, execution error.  Unable to render Jira issues macro, execution error.  Unable to render Jira issues macro, execution error.	Streams	guozhang Wang
KIP-171 - Extend Consumer Group Reset Offset for Stream Application	 Unable to render Jira issues macro, execution error.	Streams	guozhang Wang
KIP-203: Add toLowerCase support to sasl.kerberos.principal.to.local.rule	 Unable to render Jira issues macro, execution error.	Security	Jason Gustafson
KIP-204 : Adding records deletion operation to the new Admin Client API	 Unable to render Jira issues macro, execution error.	Admin Client	guozhang Wang
KIP-205: Add all() and range() API to ReadOnlyWindowStore	 Unable to render Jira issues macro, execution error.	Streams	guozhang Wang

KIP-208: Add SSL support to Kafka Connect REST interface	 Unable to render Jira issues macro, execution error.	Connect	Ewen Cheslack-Postava
KIP-210 - Provide for custom error handling when Kafka Streams fails to produce	 Unable to render Jira issues macro, execution error.	Streams	Damian Guy
KIP-212: Enforce set of legal characters for connector names	 Unable to render Jira issues macro, execution error.	Connect	Ewen Cheslack-Postava
KIP-214: Add zookeeper.max.in.flight.requests config to the broker	 Unable to render Jira issues macro, execution error.	Broker	Jiangjie Qin
KIP-215: Add topic regex support for Connect sinks	 Unable to render Jira issues macro, execution error.	Connect	Ewen Cheslack-Postava
KIP-218: Make KafkaFuture.Function java 8 lambda compatible	 Unable to render Jira issues macro, execution error.	Client	Ewen Cheslack-Postava
KIP-220: Add AdminClient into Kafka Streams' ClientSupplier	 Unable to render Jira issues macro, execution error.	Streams	guozhang Wang
KIP-223 - Add per-topic min lead and per-partition lead metrics to KafkaConsumer	 Unable to render Jira issues macro, execution error.	Client	Jun Rao
KIP-224: Add configuration parameter `retries` to Streams API	 Unable to render Jira issues macro, execution error.	Streams	guozhang Wang

KIP-225 - Use tags for consumer "records.lag" metrics	 Unable to render Jira issues macro, execution error.	Client	Jiangjie Qin
KIP-226 - Dynamic Broker Configuration	 Unable to render Jira issues macro, execution error.	Broker	Rajini Sivaram
KIP-227 - Introduce Incremental FetchRequests to Increase Partition Scalability	 Unable to render Jira issues macro, execution error.	Broker	Jun Rao
KIP-229: DeleteGroups API	 Unable to render Jira issues macro, execution error.	Multiple	Jason Gustafson
KIP-233: Simplify StreamsBuilder#addGlobalStore	 Unable to render Jira issues macro, execution error.	Streams	Matthias Sax
KIP-237: More Controller Health Metrics	 Unable to render Jira issues macro, execution error.	Broker	Ismael Juma Juma
KIP-238: Expose Kafka cluster ID in Connect REST API	 Unable to render Jira issues macro, execution error.	Connect	Jason Gustafson
KIP-239 Add queryableStoreName() to GlobalKTable	 Unable to render Jira issues macro, execution error.	Streams	guozhang Wang
KIP-243: Make ProducerConfig and ConsumerConfig constructors public	 Unable to render Jira issues macro, execution error.	Client	Matthias Sax

KIP-247: Add public test utils for Kafka Streams	 Unable to render Jira issues macro, execution error.	Streams	guozhang Wang
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Postponed to subsequent release

KIP	JIRA	Component	Committer
KIP-48: Delegation token support for Kafka	 Unable to render Jira issues macro, execution error.	Broker	
KIP-91 Provide Intuitive User Timeouts in The Producer		Clients	
KIP-149: Enabling key access in ValueTransformer, ValueMapper, and ValueJoiner (only partially implemented in 1.1.0)	 Unable to render Jira issues macro, execution error.  Unable to render Jira issues macro, execution error.  Unable to render Jira issues macro, execution error.	Streams	?
KIP-183 - Change PreferredReplicaLeaderElectionCommand to use AdminClient	 Unable to render Jira issues macro, execution error.	Multiple	Ismael Juma Juma
KIP-150 - Kafka-Streams Cogroup	 Unable to render Jira issues macro, execution error.	Streams	?
KIP-245: Use Properties instead of StreamsConfig in KafkaStreams constructor	 Unable to render Jira issues macro, execution error.	Streams	?