

Release Plan 3.6.0

Release Dates

- KIP Freeze: 26th July 23 (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: 16th Aug (major features merged & working on stabilisation, minor features have PR, release branch cut; anything not in this state will be automatically moved to the next release in JIRA)
- Code Freeze: 30th Aug 23
- At least two weeks of stabilisation 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 [Satish Duggana](#)

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.
 - Ensure that release candidates include artifacts for the new Connect test-plugins module (see

 Unable to render Jira issues macro, execution error.

Open Issues





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








Also feel free to refer to the [3.6.0 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	Status
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KIP-405: Kafka Tiered Storage	 Unable to render Jira issues macro, execution error.	core	Majority is completed. Remaining to be done in 3.7.0
KIP-793: Allow sink connectors to be used with topic-mutating SMTs	 Unable to render Jira issues macro, execution error.	connect	Completed
KIP-797: Accept duplicate listener on port for IPv4/IPv6	 Unable to render Jira issues macro, execution error.	core	Completed
KIP-868 Metadata Transactions	 Unable to render Jira issues macro, execution error.	core	Completed
KIP-875: First-class offsets support in Kafka Connect	 Unable to render Jira issues macro, execution error.	connect	Completed In prior releases: connector STOPPED state, offsets read API In this release: Offsets alter and reset APIs
KIP-890: Transactions Server-Side Defense	 Unable to render Jira issues macro, execution error.	core	Part 1 Completed
KIP-898: Modernize Connect plugin discovery	 Unable to render Jira issues macro, execution error.	connect	Completed
KIP-902: Upgrade Zookeeper to 3.8.2	 Unable to render Jira issues macro, execution error.	core	Completed
KIP-917: Additional custom metadata for remote log segment	 Unable to render Jira issues macro, execution error.	core	Completed

KIP-923: Add A Grace Period to Stream Table Join	 Unable to render Jira issues macro, execution error.	streams	KIP Accepted Implementation seems to be completed but yet to be confirmed by author.
KIP-925: Rack aware task assignment in Kafka Streams	 Unable to render Jira issues macro, execution error.	streams	Partially implemented in 3.6
KIP-937: Improve Message Timestamp Validation	 Unable to render Jira issues macro, execution error.	core	Completed
KIP-938: Add more metrics for measuring KRaft performance	 Unable to render Jira issues macro, execution error.	core	KIP Accepted Majority is completed. Remaining to be done in 3.7.0
KIP-863: Reduce CompletedFetch#parseRecord() memory copy	 Unable to render Jira issues macro, execution error.	clients	Completed
KIP-930: Rename ambiguous Tiered Storage Metrics	 Unable to render Jira issues macro, execution error.	core	Completed
KIP-941: Range queries to accept null lower and upper bounds	 Unable to render Jira issues macro, execution error.	streams	Completed

Postponed to subsequent release

KIP	JIRA	Component	Status
KIP-580: Exponential Backoff for Kafka Clients	 Unable to render Jira issues macro, execution error.	clients	Implemented Plan to release it in 3.7.0

KIP-726: Make the "cooperative-sticky, range" as the default assignor	 Unable to render Jira issues macro, execution error.	clients	KIP Accepted Implementation not yet completed
KIP-770: Replace "buffered.records.per.partition" with "input.buffer.max.bytes"	 Unable to render Jira issues macro, execution error.	streams	KIP Accepted Implementation in progress, not yet reviewed.
KIP-813: Shareable State Stores	 Unable to render Jira issues macro, execution error.	streams	KIP Accepted Implementation not yet completed.
KIP-821: Connect Transforms support for nested structures	 Unable to render Jira issues macro, execution error.	connect	KIP Accepted Implementation in progress
KIP-852: Optimize calculation of size for log in remote tier	 Unable to render Jira issues macro, execution error.	core	KIP Accepted Partially completed
KIP-919: Allow AdminClient to Talk Directly with the KRaft Controller Quorum and add Controller Registration	 Unable to render Jira issues macro, execution error.	core	KIP Accepted Not yet completed
KIP-925: Rack aware task assignment in Kafka Streams	 Unable to render Jira issues macro, execution error.	streams	Partially implemented in 3.6
KIP-938: Add more metrics for measuring KRaft performance	 Unable to render Jira issues macro, execution error.	core	KIP Accepted Majority is completed. Remaining to be done in 3.7.0

<p>KIP-872: Add Serializer#serializeToByteBuffer() to reduce memory copying</p>	<div data-bbox="820 178 852 220"></div> <div data-bbox="820 193 1031 298"> <p>Unable to render Jira issues macro, execution error.</p> </div>
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