

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

KAFKA PROTOCOL GUIDE

This document covers the wire protocol implemented in Kafka. It is meant to give a readable guide to the protocol that covers the available requests, their binary format, and the proper way to make use of them to implement a client. This document assumes you understand the basic design and terminology described [here](#)

Preliminaries

[Network](#)[Partitioning and bootstrapping](#)[Partitioning Strategies](#)[Batching](#)[Versioning and Compatibility](#)[Retrieving Supported API versions](#)[SASL Authentication Sequence](#)

The Protocol

[Protocol Primitive Types](#)[Notes on reading the request format](#)[grammars](#)[Common Request and Response](#)[Structure](#)[Request and Response Headers](#)[Record Batch](#)

Constants

[Error Codes](#)[Api Keys](#)

The Messages

Some Common Philosophical Questions

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Kafka uses a binary protocol over TCP. The protocol defines all APIs as request response message pairs. All messages are size delimited and are made up of the following primitive types.

The client initiates a socket connection and then writes a sequence of request messages and reads back the corresponding response message. No handshake is required on connection or disconnection. TCP is happier if you maintain persistent connections used for many requests to amortize the cost of the TCP handshake, but beyond this penalty connecting is pretty cheap.

The client will likely need to maintain a connection to multiple brokers, as data is partitioned and the clients will need to talk to the server that has their data. However it should not generally be necessary to maintain multiple connections to a single broker from a single client instance (i.e. connection pooling).

The server guarantees that on a single TCP connection, requests will be processed in the order they are sent and responses will return in that order as well. The broker's request processing allows only a single in-flight request per connection in order to guarantee this ordering. Note that clients can (and ideally should) use non-blocking IO to implement request pipelining and achieve higher throughput. i.e., clients can send requests even while awaiting responses for preceding requests since the outstanding requests will be buffered in the underlying OS socket buffer. All requests are initiated by the client, and result in a corresponding response message from the server except where noted.

The server has a configurable maximum limit on request size and any request that exceeds this limit will result in the socket being disconnected.

Partitioning and bootstrapping

Kafka is a partitioned system so not all servers have the complete data set. Instead recall that topics are split into a pre-defined number of partitions, P , and each partition is replicated with some replication factor, N . Topic partitions themselves are just ordered "commit logs" numbered $0, 1, \dots, P-1$.

All systems of this nature have the question of how a particular piece of data is assigned to a particular partition. Kafka clients directly control this assignment, the brokers themselves enforce no particular semantics of which messages should be published to a particular partition. Rather, to publish messages

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

These requests to publish or fetch data must be sent to the broker that is currently acting as the leader for a given partition. This condition is enforced by the broker, so a request for a particular partition to the wrong broker will result in an the `NotLeaderForPartition` error code (described below).

How can the client find out which topics exist, what partitions they have, and which brokers currently host those partitions so that it can direct its requests to the right hosts? This information is dynamic, so you can't just configure each client with some static mapping file. Instead all Kafka brokers can answer a metadata request that describes the current state of the cluster: what topics there are, which partitions those topics have, which broker is the leader for those partitions, and the host and port information for these brokers.

In other words, the client needs to somehow find one broker and that broker will tell the client about all the other brokers that exist and what partitions they host. This first broker may itself go down so the best practice for a client implementation is to take a list of two or three URLs to bootstrap from. The user can then choose to use a load balancer or just statically configure two or three of their Kafka hosts in the clients.

The client does not need to keep polling to see if the cluster has changed; it can fetch metadata once when it is instantiated cache that metadata until it receives an error indicating that the metadata is out of date. This error can come in two forms: (1) a socket error indicating the client cannot communicate with a particular broker, (2) an error code in the response to a request indicating that this broker no longer hosts the partition for which data was requested.

1. Cycle through a list of "bootstrap" Kafka URLs until we find one we can connect to. Fetch cluster metadata.
2. Process fetch or produce requests, directing them to the appropriate broker based on the topic/partitions they send to or fetch from.
3. If we get an appropriate error, refresh the metadata and try again.

Partitioning Strategies

As mentioned above the assignment of messages to partitions is something the producing client controls. That said, how should this functionality be exposed to the end-user?

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

preserving order within the partition. We call this semantic partitioning.

For a given use case you may care about only one of these or both.

To accomplish simple load balancing a simple approach would be for the client to just round robin requests over all brokers. Another alternative, in an environment where there are many more producers than brokers, would be to have each client chose a single partition at random and publish to that. This later strategy will result in far fewer TCP connections.

Semantic partitioning means using some key in the message to assign messages to partitions. For example if you were processing a click message stream you might want to partition the stream by the user id so that all data for a particular user would go to a single consumer. To accomplish this the client can take a key associated with the message and use some hash of this key to choose the partition to which to deliver the message.

Batching

Our APIs encourage batching small things together for efficiency. We have found this is a very significant performance win. Both our API to send messages and our API to fetch messages always work with a sequence of messages not a single message to encourage this. A clever client can make use of this and support an "asynchronous" mode in which it batches together messages sent individually and sends them in larger clumps. We go even further with this and allow the batching across multiple topics and partitions, so a produce request may contain data to append to many partitions and a fetch request may pull data from many partitions all at once.

The client implementer can choose to ignore this and send everything one at a time if they like.

Compatibility

Kafka has a "bidirectional" client compatibility policy. In other words, new clients can talk to old servers, and old clients can talk to new servers. This allows users to upgrade either clients or servers without experiencing any downtime.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

when taken together, uniquely identify the schema of the message to follow.

The intention is that clients will support a range of API versions. When communicating with a particular broker, a given client should use the highest API version supported by both and indicate this version in their requests.

The server will reject requests with a version it does not support, and will always respond to the client with exactly the protocol format it expects based on the version it included in its request. The intended upgrade path is that new features would first be rolled out on the server (with the older clients not making use of them) and then as newer clients are deployed these new features would gradually be taken advantage of.

Note there is an exceptional case while [retrieving supported API versions](#) where the server can respond with a different version.

Note that [KIP-482 tagged fields](#) can be added to a request without incrementing the version number. This offers an additional way of evolving the message schema without breaking compatibility. Tagged fields do not take up any space when the field is not set. Therefore, if a field is rarely used, it is more efficient to make it a tagged field than to put it in the mandatory schema. However, tagged fields are ignored by recipients that don't know about them, which could pose a challenge if this is not the behavior that the sender wants. In such cases, a version bump may be more appropriate.

Retrieving Supported API versions

In order to work against multiple broker versions, clients need to know what versions of various APIs a broker supports. The broker exposes this information since 0.10.0.0 as described in [KIP-35](#). Clients should use the supported API versions information to choose the highest API version supported by both client and broker. If no such version exists, an error should be reported to the user.

The following sequence may be used by a client to obtain supported API versions from a broker.

1. Client sends `ApiVersionsRequest` to a broker after connection has been established with the broker. If SSL is enabled, this happens after SSL connection has been established.
2. On receiving `ApiVersionsRequest`, a broker returns its full list of supported ApiKeys and versions regardless of current authentication state (e.g., before SASL authentication on an SASL

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

older than 0.10.0.0 do not support this API and will either ignore the request or close connection in response to the request. Also note that if the client `ApiVersionsRequest` version is unsupported by the broker (client is ahead), and the broker version is 2.4.0 or greater, then the broker will respond with a version 0 `ApiVersionsResponse` with the [error code](#) set to

`UNSUPPORTED_VERSION` and the `api_versions` field populated with the supported version of the `ApiVersionsRequest`. It is then up to the client to retry, making another `ApiVersionsRequest` using the highest version supported by the client and broker. See [KIP-511: Collect and Expose Client's Name and Version in the Brokers](#)

3. If multiple versions of an API are supported by broker and client, clients are recommended to use the latest version supported by the broker and itself.
4. Deprecation of a protocol version is done by marking an API version as deprecated in the protocol documentation.
5. Supported API versions obtained from a broker are only valid for the connection on which that information is obtained. In the event of disconnection, the client should obtain the information from the broker again, as the broker might have been upgraded/downgraded in the mean time.

SASL Authentication Sequence

The following sequence is used for SASL authentication:

1. Kafka `ApiVersionsRequest` may be sent by the client to obtain the version ranges of requests supported by the broker. This is optional.
2. Kafka `SaslHandshakeRequest` containing the SASL mechanism for authentication is sent by the client. If the requested mechanism is not enabled in the server, the server responds with the list of supported mechanisms and closes the client connection. If the mechanism is enabled in the server, the server sends a successful response and continues with SASL authentication.
3. The actual SASL authentication is now performed. If `SaslHandshakeRequest` version is v0, a series of SASL client and server tokens corresponding to the mechanism are sent as opaque packets without wrapping the messages with Kafka protocol headers. If `SaslHandshakeRequest` version is v1, the `SaslAuthenticate` request/response are used, where the actual SASL tokens are wrapped in the Kafka protocol. The error code in the final

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

For interoperability with 0.9.0.x clients, the first packet received by the server is handled as a SASL/GSSAPI client token if it is not a valid Kafka request. SASL/GSSAPI authentication is performed starting with this packet, skipping the first two steps above.

The Protocol

Protocol Primitive Types

The protocol is built out of the following primitive types.

TYPE	DESCRIPTION
BOOLEAN	Represents a boolean value in a byte. Values 0 and 1 are used to represent false and true respectively. When reading a boolean value, any non-zero value is considered true.
INT8	Represents an integer between -2^7 and 2^7-1 inclusive.
INT16	Represents an integer between -2^{15} and $2^{15}-1$ inclusive. The values are encoded using two bytes in network byte order (big-endian).
INT32	Represents an integer between -2^{31} and $2^{31}-1$ inclusive. The values are encoded using four bytes in network byte order (big-endian).
INT64	Represents an integer between -2^{63} and $2^{63}-1$ inclusive. The values are encoded using eight bytes in network byte order (big-endian).
UINT16	Represents an integer between 0 and 65535 inclusive. The values are encoded using two

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

		bytes in network byte order (big-endian).
VARINT		Represents an integer between -2 ³¹ and 2 ³¹ -1 inclusive. Encoding follows the variable-length zig-zag encoding from Google Protocol Buffers .
VARLONG		Represents an integer between -2 ⁶³ and 2 ⁶³ -1 inclusive. Encoding follows the variable-length zig-zag encoding from Google Protocol Buffers .
UUID		Represents a type 4 immutable universally unique identifier (Uuid). The values are encoded using sixteen bytes in network byte order (big-endian).
FLOAT64		Represents a double-precision 64-bit format IEEE 754 value. The values are encoded using eight bytes in network byte order (big-endian).
STRING		Represents a sequence of characters. First the length N is given as an INT16. Then N bytes follow which are the UTF-8 encoding of the character sequence. Length must not be negative.
COMPACT_STRING		Represents a sequence of characters. First the length N + 1 is given as an UNSIGNED_VARINT . Then N bytes follow which are the UTF-8 encoding of the character sequence.
NULLABLE_STRING		Represents a sequence of characters or null. For non-null strings, first the length N is given as an INT16. Then N bytes follow which are the UTF-8 encoding of the character sequence. A null value is encoded with length of -1 and there are no following bytes.

BYTES	Represents a raw sequence of bytes. First the length N is given as an INT32. Then N bytes follow.
COMPACT_BYTES	Represents a raw sequence of bytes. First the length N+1 is given as an UNSIGNED_VARINT. Then N bytes follow.
NULLABLE_BYTES	Represents a raw sequence of bytes or null. For non-null values, first the length N is given as an INT32. Then N bytes follow. A null value is encoded with length of -1 and there are no following bytes.
COMPACT_NULLABLE_BYTES	Represents a raw sequence of bytes. First the length N+1 is given as an UNSIGNED_VARINT. Then N bytes follow. A null object is represented with a length of 0.
RECORDS	Represents a sequence of Kafka records as NULLABLE_BYTES. For a detailed description of records see Message Sets .
COMPACT_RECORDS	Represents a sequence of Kafka records as COMPACT_NULLABLE_BYTES. For a detailed description of records see Message Sets .
ARRAY	Represents a sequence of objects of a given type T. Type T can be either a primitive type (e.g. STRING) or a structure. First, the length N is given as an INT32. Then N instances of type T follow. A null array is represented with a length of -1. In protocol documentation an array of T instances is

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

COMPACT_ARRAY

STRUCTURE OF A STRUCTURE. FIRST, THE LENGTH IN T THIS
given as an UNSIGNED_VARINT. Then N
instances of type T follow. A null array is
represented with a length of 0. In protocol
documentation an array of T instances is referred
to as [T].

Notes on reading the request format grammars

The [BNFs](#) below give an exact context free grammar for the request and response binary format. The BNF is intentionally not compact in order to give human-readable name. As always in a BNF a sequence of productions indicates concatenation. When there are multiple possible productions these are separated with '|' and may be enclosed in parenthesis for grouping. The top-level definition is always given first and subsequent sub-parts are indented.

Common Request and Response Structure

All requests and responses originate from the following grammar which will be incrementally describe through the rest of this document:

```
RequestOrResponse => Size (RequestMessage | ResponseMessage)
Size => int32
```

FIELD	DESCRIPTION
message_size	The message_size field gives the size of the subsequent request or response message in bytes. The client can read requests by first reading this 4 byte size as an integer N, and then reading and parsing the subsequent N bytes of the request.



header versions are specified below together with API message descriptions.

Record Batch

A description of the record batch format can be found [here](#).

Constants

Error Codes

We use numeric codes to indicate what problem occurred on the server. These can be translated by the client into exceptions or whatever the appropriate error handling mechanism in the client language. Here is a table of the error codes currently in use:

ERROR	CODE	RETRIABLE	DESCRIPTION
UNKNOWN_SERVER_ERROR	-1	False	The server experienced an unexpected error when processing the request.
NONE	0	False	
OFFSET_OUT_OF_RANGE	1	False	The requested offset is not within the range of offsets maintained by the server.
CORRUPT_MESSAGE	2	True	This message has failed its CRC checksum, exceeds the valid size, has a null key for a compacted

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
_PARTITION	3		True		Most this topic-partition.	
INVALID_FETCH_SIZE	4		False		The requested fetch size is invalid.	
LEADER_NOT_AVAILABLE	5		True		There is no leader for this topic-partition as we are in the middle of a leadership election.	
NOT_LEADER_OR_FOLLOWER	6		True		For requests intended only for the leader, this error indicates that the broker is not the current leader. For requests intended for any replica, this error indicates that the broker is not a replica of the topic partition.	
REQUEST_TIMED_OUT	7		True		The request timed out.	
BROKER_NOT_AVAILABLE	8		False		The broker is not available.	
REPLICA_NOT_AVAILABLE	9		True		The replica is not available for the requested topic-partition. Produce/ Fetch requests and other requests intended only for the leader or follower	

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

			topic-partition.
MESSAGE_TOO_LARGE	10	False	The request included a message larger than the max message size the server will accept.
STALE_CONTROLLER_EPOCH	11	False	The controller moved to another broker.
OFFSET_METADATA_TOO_LARGE	12	False	The metadata field of the offset request was too large.
NETWORK_EXCEPTION	13	True	The server disconnected before a response was received.
COORDINATOR_LOAD_IN_PROGRESS	14	True	The coordinator is loading and hence can't process requests.
COORDINATOR_NOT_AVAILABLE	15	True	The coordinator is not available.
NOT_COORDINATOR	16	True	This is not the correct coordinator.
INVALID_TOPIC_EXCEPTION	17	False	The request attempted to perform an operation on an invalid topic.
RECORD_LIST_TOO_LARGE	18	False	The request included message batch larger than the configured

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
NOT_ENOUGH_REPLICAS	19		True		SINCE THERE ARE FEWER in-sync replicas than required.	
NOT_ENOUGH_REPLICAS_AFTER_APPEND	20		True		Messages are written to the log, but to fewer in-sync replicas than required.	
INVALID_REQUIRED_ACKS	21		False		Produce request specified an invalid value for required acks.	
ILLEGAL_GENERATION	22		False		Specified group generation id is not valid.	
INCONSISTENT_GROUP_PROTOCOL	23		False		The group member's supported protocols are incompatible with those of existing members or first group member tried to join with empty protocol type or empty protocol list.	
INVALID_GROUP_ID	24		False		The group id is invalid.	
UNKNOWN_MEMBER_ID	25		False		The coordinator is not aware of this member.	
INVALID_SESSION_TIMEOUT	26		False		The session timeout is not within the range allowed by the broker (as configured by	

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

REBALANCE_IN_PROGRESS	27	False	The group is rebalancing, so a rejoin is needed.
INVALID_COMMIT_OFFSET_SIZE	28	False	The committing offset data size is not valid.
TOPIC_AUTHORIZATION_FAILED	29	False	Topic authorization failed.
GROUP_AUTHORIZATION_FAILED	30	False	Group authorization failed.
CLUSTER_AUTHORIZATION_FAILED	31	False	Cluster authorization failed.
INVALID_TIMESTAMP	32	False	The timestamp of the message is out of acceptable range.
UNSUPPORTED_SASL_MECHANISM	33	False	The broker does not support the requested SASL mechanism.
ILLEGAL_SASL_STATE	34	False	Request is not valid given the current SASL state.
UNSUPPORTED_VERSION	35	False	The version of API is not supported.
TOPIC_ALREADY_EXISTS	36	False	Topic with this name already exists.
INVALID_PARTITIONS	37	False	Number of partitions is below 1.

CODE	DESCRIPTION	REASON	RECOMMENDATION
INVALID_REPLICA_ASSIGNMENT	39	False	Replica assignment is invalid.
INVALID_CONFIG	40	False	Configuration is invalid.
NOT_CONTROLLER	41	True	This is not the correct controller for this cluster.
INVALID_REQUEST	42	False	This most likely occurs because of a request being malformed by the client library or the message was sent to an incompatible broker. See the broker logs for more details.
UNSUPPORTED_MESSAGE_FORMAT	43	False	The message format version on the broker does not support the request.
POLICY_VIOLATION	44	False	Request parameters do not satisfy the configured policy.
OUT_OF_ORDER_SEQUENCE_NUMBER	45	False	The broker received an out of order sequence number.
DUPLICATE_SEQUENCE_NUMBER	46	False	The broker received a duplicate sequence number.

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
INVALID_TXN_STATE	48		False		The producer attempted a transactional operation in an invalid state.	
INVALID_PRODUCER_ID_MAPPING	49		False		The producer attempted to use a producer id which is not currently assigned to its transactional id.	
INVALID_TRANSACTION_TIMEOUT	50		False		The transaction timeout is larger than the maximum value allowed by the broker (as configured by transaction.max.timeout.ms).	
CONCURRENT_TRANSACTIONS	51		True		The producer attempted to update a transaction while another concurrent operation on the same transaction was ongoing.	
TRANSACTION_COORDINATOR_FENCED	52		False		Indicates that the transaction coordinator sending a WriteTxnMarker is no longer the current coordinator for a given producer.	

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

SECURITY_DISABLED	54	False	Security features are disabled.
OPERATION_NOT_ATTEMPTED	55	False	The broker did not attempt to execute this operation. This may happen for batched RPCs where some operations in the batch failed, causing the broker to respond without trying the rest.
KAFKA_STORAGE_ERR_OR	56	True	Disk error when trying to access log file on the disk.
LOG_DIR_NOT_FOUND	57	False	The user-specified log directory is not found in the broker config.
SASL_AUTHENTICATION_FAILED	58	False	SASL Authentication failed.
UNKNOWN_PRODUCER_ID	59	False	This exception is raised by the broker if it could not locate the producer metadata associated with the producerId in question. This could happen if, for instance, the producer's records were deleted because

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
					removed, the producer's metadata is removed from the broker, and future appends by the producer will return this exception.	
REASSIGNMENT_IN_PROGRESS	60		False		A partition reassignment is in progress.	
DELEGATION_TOKEN_AUTH_DISABLED	61		False		Delegation Token feature is not enabled.	
DELEGATION_TOKEN_NOT_FOUND	62		False		Delegation Token is not found on server.	
DELEGATION_TOKEN_OWNER_MISMATCH	63		False		Specified Principal is not valid Owner/Renewer.	
DELEGATION_TOKEN_REQUEST_NOT_ALLOWED	64		False		Delegation Token requests are not allowed on PLAINTEXT/1-way SSL channels and on delegation token authenticated channels.	
DELEGATION_TOKEN_AUTHORIZATION_FAILED	65		False		Delegation Token authorization failed.	

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

TYPE			is not supported.
NON_EMPTY_GROUP	68	False	The group is not empty.
GROUP_ID_NOT_FOUND	69	False	The group id does not exist.
FETCH_SESSION_ID_NOT_FOUND	70	True	The fetch session ID was not found.
INVALID_FETCH_SESSION_EPOCH	71	True	The fetch session epoch is invalid.
LISTENER_NOT_FOUND	72	True	There is no listener on the leader broker that matches the listener on which metadata request was processed.
TOPIC_DELETION_DISABLED	73	False	Topic deletion is disabled.
FENCED_LEADER_EPOCH	74	True	The leader epoch in the request is older than the epoch on the broker.
UNKNOWN_LEADER_EPOCH	75	True	The leader epoch in the request is newer than the epoch on the broker.
UNSUPPORTED_COMPRESSION_TYPE	76	False	The requesting client does not support the compression type of

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
OFFSET_NOT_AVAILABLE	78		True		The leader high watermark has not caught up from a recent leader election so the offsets cannot be guaranteed to be monotonically increasing.	
MEMBER_ID_REQUIRED	79		False		The group member needs to have a valid member id before actually entering a consumer group.	
PREFERRED_LEADER_NOT_AVAILABLE	80		True		The preferred leader was not available.	
GROUP_MAX_SIZE_REACHED	81		False		The group has reached its maximum size.	
FENCED_INSTANCE_ID	82		False		The broker rejected this static consumer since another consumer with the same group.instance.id has registered with a different member.id.	
ELIGIBLE_LEADERS_NOT_AVAILABLE	83		True		Eligible topic partition leaders are not available.	

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
NO_REASSIGNMENT_IN_PROGRESS	85		False		No partition reassignment is in progress.	
GROUP_SUBSCRIBED_TO_TOPIC	86		False		Deleting offsets of a topic is forbidden while the consumer group is actively subscribed to it.	
INVALID_RECORD	87		False		This record has failed the validation on broker and hence will be rejected.	
UNSTABLE_OFFSET_COMMIT	88		True		There are unstable offsets that need to be cleared.	
THROTTLING_QUOTA_EXCEEDED	89		True		The throttling quota has been exceeded.	
PRODUCER_FENCED	90		False		There is a newer producer with the same transactionalId which fences the current one.	
RESOURCE_NOT_FOUND	91		False		A request illegally referred to a resource that does not exist.	
DUPLICATE_RESOURCE	92		False		A request illegally referred to the same resource twice.	

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
INCONSISTENT_VOTE_R_SET	94		False		Indicates that the either the sender or recipient of a voter-only request is not one of the expected voters.	
INVALID_UPDATE_VERSION	95		False		The given update version was invalid.	
FEATURE_UPDATE FAILED	96		False		Unable to update finalized features due to an unexpected server error.	
PRINCIPAL_DESERIALIZATION_FAILURE	97		False		Request principal deserialization failed during forwarding. This indicates an internal error on the broker cluster security setup.	
SNAPSHOT_NOT_FOUND	98		False		Requested snapshot was not found.	
POSITION_OUT_OF_RANGE	99		False		Requested position is not greater than or equal to zero, and less than the size of the snapshot.	
UNKNOWN_TOPIC_ID	100		True		This server does not host this topic ID.	
DUPLICATE_BROKER_REGISTRATION	101		False		This broker ID is already in use.	

CODE	DOC ID	DESCRIPTION	REASON
_ID	103	True	not match the topic ID in the request.
INCONSISTENT_CLUSTER_ID	104	False	The clusterId in the request does not match that found on the server.
TRANSACTIONAL_ID_NOT_FOUND	105	False	The transactionalId could not be found.
FETCH_SESSION_TOPIC_ID_ERROR	106	True	The fetch session encountered inconsistent topic ID usage.
INELIGIBLE_REPLICA	107	False	The new ISR contains at least one ineligible replica.
NEW_LEADER_ELECTED	108	False	The AlterPartition request successfully updated the partition state but the leader has changed.
OFFSET_MOVED_TO_TIERED_STORAGE	109	False	The requested offset is moved to tiered storage.
FENCED_MEMBER_EPOCH	110	False	The member epoch is fenced by the group coordinator. The member must abandon all its partitions and rejoin.

CODE	DESCRIPTION	TYPE	REASON
-	-	-	member must leave first.
UNSUPPORTED_ASSIGNOR	112	False	The assignor or its version range is not supported by the consumer group.
STALE_MEMBER_EPOCH	113	False	The member epoch is stale. The member must retry after receiving its updated member epoch via the ConsumerGroupHeartbeat API.
MISMATCHED_ENDPOINT_TYPE	114	False	The request was sent to an endpoint of the wrong type.
UNSUPPORTED_ENDPOINT_TYPE	115	False	This endpoint type is not supported yet.
UNKNOWN_CONTROLLER_ID	116	False	This controller ID is not known.
UNKNOWN_SUBSCRIPTION_ID	117	False	Client sent a push telemetry request with an invalid or outdated subscription ID.
TELEMETRY_TOO_LARGE	118	False	Client sent a push telemetry request larger than the maximum size the

CODE	DESCRIPTION	REASON	RECOMMENDATION
TRANSACTION_ABORTABLE	120	False	The registration to be invalid.
INVALID_RECORD_STATE	121	False	The server encountered an error with the transaction. The client can abort the transaction to continue using this transactional ID.
SHARE_SESSION_NOT_FOUND	122	True	The record state is invalid. The acknowledgement of delivery could not be completed.
INVALID_SHARE_SESSION_EPOCH	123	True	The share session epoch is invalid.
FENCED_STATE_EPOCH	124	False	The share coordinator rejected the request because the share-group state epoch did not match.
INVALID_VOTER_KEY	125	False	The voter key doesn't match the receiving replica's key.
DUPLICATE_VOTER	126	False	The voter is already part of the set of voters.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

PRESSION			is not valid.
REBOOTSTRAP_REQUEST	129	False	Client metadata is stale. The client should rebootstrap to obtain new metadata.
STREAMS_INVALID_TOPOLOGY	130	False	The supplied topology is invalid.
STREAMS_INVALID_TOPOLOGY_EPOCH	131	False	The supplied topology epoch is invalid.
STREAMS_TOPOLOGY_FENCED	132	False	The supplied topology epoch is outdated.
SHARE_SESSION_LIMIT_REACHED	133	True	The limit of share sessions has been reached.

Api Keys

The following are the numeric codes that the stable ApiKey in the request can take for each of the below request types.

NAME	KEY
Produce	0
Fetch	1
ListOffsets	2
Metadata	3
OffsetCommit	8

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Heartbeat	12
LeaveGroup	13
SyncGroup	14
DescribeGroups	15
ListGroup s	16
SaslHandshake	17
ApiVersions	18
CreateTopics	19
DeleteTopics	20
DeleteRecords	21
InitProducerId	22
OffsetForLeaderEpoch	23
AddPartitionsToTxn	24
AddOffsetsToTxn	25
EndTxn	26
WriteTxnMarkers	27
TxnOffsetCommit	28
DescribeAcls	29
CreateAcls	30
DeleteAcls	31
DescribeConfigs	32
AlterConfigs	33

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

CreatePartitions	37
CreateDelegationToken	38
RenewDelegationToken	39
ExpireDelegationToken	40
DescribeDelegationToken	41
DeleteGroups	42
ElectLeaders	43
IncrementalAlterConfigs	44
AlterPartitionReassignments	45
ListPartitionReassignments	46
OffsetDelete	47
DescribeClientQuotas	48
AlterClientQuotas	49
DescribeUserScramCredentials	50
AlterUserScramCredentials	51
DescribeQuorum	55
UpdateFeatures	57
DescribeCluster	60
DescribeProducers	61
UnregisterBroker	64
DescribeTransactions	65
ListTransactions	66

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

PushTelemetry	72
ListConfigResources	74
DescribeTopicPartitions	75
ShareGroupHeartbeat	76
ShareGroupDescribe	77
ShareFetch	78
ShareAcknowledge	79
AddRaftVoter	80
RemoveRaftVoter	81
InitializeShareGroupState	83
ReadShareGroupState	84
WriteShareGroupState	85
DeleteShareGroupState	86
ReadShareGroupStateSummary	87
DescribeShareGroupOffsets	90
AlterShareGroupOffsets	91
DeleteShareGroupOffsets	92

The Messages

This section gives details on each of the individual API Messages, their usage, their binary format, and the meaning of their fields.

The message consists of the header and body:

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request or Response Header is the versioned request or response header. **Body** is the message-specific body.

Headers:

```
Request Header v1 => request_api_key request_api_version correlation_id client_id
request_api_key => INT16
request_api_version => INT16
correlation_id => INT32
client_id => NULLABLE_STRING
```

FIELD	DESCRIPTION
request_api_key	The API key of this request.
request_api_version	The API version of this request.
correlation_id	The correlation ID of this request.
client_id	The client ID string.

```
Request Header v2 => request_api_key request_api_version correlation_id client_id
request_api_key => INT16
request_api_version => INT16
correlation_id => INT32
client_id => NULLABLE_STRING
```

FIELD	DESCRIPTION
request_api_key	The API key of this request.
request_api_version	The API version of this request.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response Header v0 => correlation_id
correlation_id => INT32

FIELD	DESCRIPTION
correlation_id	The correlation ID of this response.

Response Header v1 => correlation_id _tagged_fields
correlation_id => INT32

FIELD	DESCRIPTION
correlation_id	The correlation ID of this response.
_tagged_fields	The tagged fields

Produce API (Key: 0):

Requests:

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```

timeout_ms => INT32
topic_data => name [partition_data]
  name => STRING
  partition_data => index records
    index => INT32
    records => RECORDS

```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.
acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.
name	The topic name.
partition_data	Each partition to produce to.
index	The partition index.
records	The record data to be produced.

```

Produce Request (Version: 4) => transactional_id acks timeout_ms [topic_dat
transactional_id => NULLABLE_STRING
acks => INT16

```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

```
index => INT32
records => RECORDS
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.
acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.
name	The topic name.
partition_data	Each partition to produce to.
index	The partition index.
records	The record data to be produced.

```
Produce Request (Version: 5) => transactional_id acks timeout_ms [topic_data]
transactional_id => NULLABLE_STRING
acks => INT16
timeout_ms => INT32
topic_data => name [partition_data]
name => STRING
partition_data => index records
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.
acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.
name	The topic name.
partition_data	Each partition to produce to.
index	The partition index.
records	The record data to be produced.

```
Produce Request (Version: 6) => transactional_id acks timeout_ms [topic_dat
transactional_id => NULLABLE_STRING
acks => INT16
timeout_ms => INT32
topic_data => name [partition_data]
name => STRING
partition_data => index records
index => INT32
records => RECORDS
```

Request header version: 1

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.
name	The topic name.
partition_data	Each partition to produce to.
index	The partition index.
records	The record data to be produced.

```
Produce Request (Version: 7) => transactional_id acks timeout_ms [topic_data]
transactional_id => NULLABLE_STRING
acks => INT16
timeout_ms => INT32
topic_data => name [partition_data]
name => STRING
partition_data => index records
index => INT32
records => RECORDS
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.
name	The topic name.
partition_data	Each partition to produce to.
index	The partition index.
records	The record data to be produced.

```
Produce Request (Version: 8) => transactional_id acks timeout_ms [topic_data]
transactional_id => NULLABLE_STRING
acks => INT16
timeout_ms => INT32
topic_data => name [partition_data]
name => STRING
partition_data => index records
index => INT32
records => RECORDS
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.
acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

name	The topic name.
partition_data	Each partition to produce to.
index	The partition index.
records	The record data to be produced.

```
Produce Request (Version: 9) => transactional_id acks timeout_ms [topic_data]
transactional_id => COMPACT_NULLABLE_STRING
acks => INT16
timeout_ms => INT32
topic_data => name [partition_data] _tagged_fields
    name => COMPACT_STRING
    partition_data => index records _tagged_fields
        index => INT32
        records => COMPACT_RECORDS
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.
acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

records	The record data to be produced.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
Produce Request (Version: 10) => transactional_id acks timeout_ms [topic_data]
transactional_id => COMPACT_NULLABLE_STRING
acks => INT16
timeout_ms => INT32
topic_data => name [partition_data] _tagged_fields
name => COMPACT_STRING
partition_data => index records _tagged_fields
index => INT32
records => COMPACT_RECORDS
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.
acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

records	The record data to be produced.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
Produce Request (Version: 11) => transactional_id acks timeout_ms [topic_data]
transactional_id => COMPACT_NULLABLE_STRING
acks => INT16
timeout_ms => INT32
topic_data => name [partition_data] _tagged_fields
name => COMPACT_STRING
partition_data => index records _tagged_fields
index => INT32
records => COMPACT_RECORDS
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.
acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

records	The record data to be produced.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
Produce Request (Version: 12) => transactional_id acks timeout_ms [topic_data]
transactional_id => COMPACT_NULLABLE_STRING
acks => INT16
timeout_ms => INT32
topic_data => name [partition_data] _tagged_fields
name => COMPACT_STRING
partition_data => index records _tagged_fields
index => INT32
records => COMPACT_RECORDS
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.
acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

records	The record data to be produced.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
Produce Request (Version: 13) => transactional_id acks timeout_ms [topic_data]
transactional_id => COMPACT_NULLABLE_STRING
acks => INT16
timeout_ms => INT32
topic_data => topic_id [partition_data] _tagged_fields
topic_id => UUID
partition_data => index records _tagged_fields
index => INT32
records => COMPACT_RECORDS
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional ID, or null if the producer is not transactional.
acks	The number of acknowledgments the producer requires the leader to have received before considering a request complete. Allowed values: 0 for no acknowledgments, 1 for only the leader and -1 for the full ISR.
timeout_ms	The timeout to await a response in milliseconds.
topic_data	Each topic to produce to.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

records	The record data to be produced.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
Produce Response (Version: 3) => [responses] throttle_time_ms
responses => name [partition_responses]
  name => STRING
  partition_responses => index error_code base_offset log_append_time_ms
    index => INT32
    error_code => INT16
    base_offset => INT64
    log_append_time_ms => INT64
  throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION
responses	Each produce response.
name	The topic name.
partition_responses	Each partition that we produced to within the topic.
index	The partition index.
error_code	The error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

log_append_time_ms

for the topic, the timestamp will be -1. If LogAppendTime is used for the topic, the timestamp will be the broker local time when the messages are appended.

throttle_time_ms

The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

Produce Response (Version: 4) => [responses] throttle_time_ms

responses => name [partition_responses]

name => STRING

partition_responses => index error_code base_offset log_append_time_ms

index => INT32

error_code => INT16

base_offset => INT64

log_append_time_ms => INT64

throttle_time_ms => INT32

Response header version: 0

FIELD	DESCRIPTION
responses	Each produce response.
name	The topic name.
partition_responses	Each partition that we produced to within the topic.
index	The partition index.
error_code	The error code, or 0 if there was no error.
base_offset	The base offset.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

timestamp will be the broker local time when the messages are appended.

throttle_time_ms

The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

```
Produce Response (Version: 5) => [responses] throttle_time_ms
    responses => name [partition_responses]
        name => STRING
        partition_responses => index error_code base_offset log_append_time_ms
            index => INT32
            error_code => INT16
            base_offset => INT64
            log_append_time_ms => INT64
            log_start_offset => INT64
        throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION
responses	Each produce response.
name	The topic name.
partition_responses	Each partition that we produced to within the topic.
index	The partition index.
error_code	The error code, or 0 if there was no error.
base_offset	The base offset.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	timestamp will be the broker local time when the messages are appended.
log_start_offset	The log start offset.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

Produce Response (Version: 6) => [responses] throttle_time_ms

```

responses => name [partition_responses]
  name => STRING
  partition_responses => index error_code base_offset log_append_time_ms
    index => INT32
    error_code => INT16
    base_offset => INT64
    log_append_time_ms => INT64
    log_start_offset => INT64
    throttle_time_ms => INT32

```

Response header version: 0

FIELD	DESCRIPTION
responses	Each produce response.
name	The topic name.
partition_responses	Each partition that we produced to within the topic.
index	The partition index.
error_code	The error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

log_append_time_ms

for the topic, the timestamp will be -1. If LogAppendTime is used for the topic, the timestamp will be the broker local time when the messages are appended.

log_start_offset

The log start offset.

throttle_time_ms

The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

```
Produce Response (Version: 7) => [responses] throttle_time_ms
    responses => name [partition_responses]
        name => STRING
        partition_responses => index error_code base_offset log_append_time_ms
            index => INT32
            error_code => INT16
            base_offset => INT64
            log_append_time_ms => INT64
            log_start_offset => INT64
            throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION
responses	Each produce response.
name	The topic name.
partition_responses	Each partition that we produced to within the topic.
index	The partition index.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

log_append_time_ms

appending the messages. If CreateTime is used for the topic, the timestamp will be -1. If LogAppendTime is used for the topic, the timestamp will be the broker local time when the messages are appended.

log_start_offset

The log start offset.

throttle_time_ms

The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

```
Produce Response (Version: 8) => [responses] throttle_time_ms
  responses => name [partition_responses]
    name => STRING
    partition_responses => index error_code base_offset log_append_time_ms
      index => INT32
      error_code => INT16
      base_offset => INT64
      log_append_time_ms => INT64
      log_start_offset => INT64
      record_errors => batch_index batch_index_error_message
        batch_index => INT32
        batch_index_error_message => NULLABLE_STRING
        error_message => NULLABLE_STRING
      throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION
responses	Each produce response.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

index	The partition index.
error_code	The error code, or 0 if there was no error.
base_offset	The base offset.
log_append_time_ms	The timestamp returned by broker after appending the messages. If CreateTime is used for the topic, the timestamp will be -1. If LogAppendTime is used for the topic, the timestamp will be the broker local time when the messages are appended.
log_start_offset	The log start offset.
record_errors	The batch indices of records that caused the batch to be dropped.
batch_index	The batch index of the record that caused the batch to be dropped.
batch_index_error_message	The error message of the record that caused the batch to be dropped.
error_message	The global error message summarizing the common root cause of the records that caused the batch to be dropped.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

```
Produce Response (Version: 9) => [responses] throttle_time_ms _tagged_field
responses => name [partition_responses] _tagged_fields
  name => COMPACT_STRING
  partition_responses => index error_code base_offset log_append_time_ms
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
log_start_offset => INT64
record_errors => batch_index batch_index_error_message _tagged_fields
batch_index => INT32
batch_index_error_message => COMPACT_NULLABLE_STRING
error_message => COMPACT_NULLABLE_STRING
throttle_time_ms => INT32
```

Response header version: 1

FIELD	DESCRIPTION
responses	Each produce response.
name	The topic name.
partition_responses	Each partition that we produced to within the topic.
index	The partition index.
error_code	The error code, or 0 if there was no error.
base_offset	The base offset.
log_append_time_ms	The timestamp returned by broker after appending the messages. If CreateTime is used for the topic, the timestamp will be -1. If LogAppendTime is used for the topic, the timestamp will be the broker local time when the messages are appended.
log_start_offset	The log start offset.
record_errors	The batch indices of records that caused the batch to be dropped.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	batch to be dropped.
_tagged_fields	The tagged fields
error_message	The global error message summarizing the common root cause of the records that caused the batch to be dropped.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
_tagged_fields	The tagged fields

```
Produce Response (Version: 10) => [responses] throttle_time_ms _tagged_field
responses => name [partition_responses] _tagged_fields
    name => COMPACT_STRING
    partition_responses => index error_code base_offset log_append_time_ms
        index => INT32
        error_code => INT16
        base_offset => INT64
        log_append_time_ms => INT64
        log_start_offset => INT64
        record_errors => batch_index batch_index_error_message _tagged_fields
            batch_index => INT32
            batch_index_error_message => COMPACT_NULLABLE_STRING
            error_message => COMPACT_NULLABLE_STRING
        throttle_time_ms => INT32
```

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

NAME	DESCRIPTION													
partition_responses	Each partition that we produced to within the topic.													
index	The partition index.													
error_code	The error code, or 0 if there was no error.													
base_offset	The base offset.													
log_append_time_ms	The timestamp returned by broker after appending the messages. If CreateTime is used for the topic, the timestamp will be -1. If LogAppendTime is used for the topic, the timestamp will be the broker local time when the messages are appended.													
log_start_offset	The log start offset.													
record_errors	The batch indices of records that caused the batch to be dropped.													
batch_index	The batch index of the record that caused the batch to be dropped.													
batch_index_error_message	The error message of the record that caused the batch to be dropped.													
_tagged_fields	The tagged fields													
error_message	The global error message summarizing the common root cause of the records that caused the batch to be dropped.													
_tagged_fields	<table border="1"> <thead> <tr> <th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td>0</td><td>current_leader</td><td>The leader broker that the producer should use for future requests.</td></tr> <tr> <td></td><td></td><td> <table border="1"> <thead> <tr> <th>FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td></td><td></td></tr> </tbody> </table> </td></tr> </tbody> </table>	TAG	TAGGED FIELD	DESCRIPTION	0	current_leader	The leader broker that the producer should use for future requests.			<table border="1"> <thead> <tr> <th>FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td></td><td></td></tr> </tbody> </table>	FIELD	DESCRIPTION		
TAG	TAGGED FIELD	DESCRIPTION												
0	current_leader	The leader broker that the producer should use for future requests.												
		<table border="1"> <thead> <tr> <th>FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td></td><td></td></tr> </tbody> </table>	FIELD	DESCRIPTION										
FIELD	DESCRIPTION													

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD										
					is unknown.											
				leader_epoch	The latest known leader epoch.											
				_tagged_fields	The tagged fields											
_tagged_fields					The tagged fields											
throttle_time_ms					The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.											
_tagged_fields			<table border="1"> <thead> <tr> <th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td>0</td><td>node_endpoints</td><td>Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.</td></tr> </tbody> </table>	TAG	TAGGED FIELD	DESCRIPTION	0	node_endpoints	Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.		<table border="1"> <thead> <tr> <th>FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td>node_id</td><td>The ID of the associated node.</td></tr> </tbody> </table>	FIELD	DESCRIPTION	node_id	The ID of the associated node.	
TAG	TAGGED FIELD	DESCRIPTION														
0	node_endpoints	Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.														
FIELD	DESCRIPTION															
node_id	The ID of the associated node.															

FIELD	DESCRIPTION
port.	The port of the node, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields

```
Produce Response (Version: 11) => [responses] throttle_time_ms _tagged_fields
responses => name [partition_responses] _tagged_fields
  name => COMPACT_STRING
  partition_responses => index error_code base_offset log_append_time_ms
    index => INT32
    error_code => INT16
    base_offset => INT64
    log_append_time_ms => INT64
    log_start_offset => INT64
    record_errors => batch_index batch_index_error_message _tagged_fields
      batch_index => INT32
      batch_index_error_message => COMPACT_NULLABLE_STRING
      error_message => COMPACT_NULLABLE_STRING
    throttle_time_ms => INT32
```

Response header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

index	The partition index.															
error_code	The error code, or 0 if there was no error.															
base_offset	The base offset.															
log_append_time_ms	The timestamp returned by broker after appending the messages. If CreateTime is used for the topic, the timestamp will be -1. If LogAppendTime is used for the topic, the timestamp will be the broker local time when the messages are appended.															
log_start_offset	The log start offset.															
record_errors	The batch indices of records that caused the batch to be dropped.															
batch_index	The batch index of the record that caused the batch to be dropped.															
batch_index_error_message	The error message of the record that caused the batch to be dropped.															
_tagged_fields	The tagged fields															
error_message	The global error message summarizing the common root cause of the records that caused the batch to be dropped.															
_tagged_fields	<table border="1"> <thead> <tr> <th>TAG</th> <th>TAGGED FIELD</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>current_leader</td> <td>The leader broker that the producer should use for future requests.</td> </tr> <tr> <td></td> <td></td> <td> <table border="1"> <thead> <tr> <th>FIELD</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>leader_id</td> <td>The ID of the current</td> </tr> </tbody> </table> </td> </tr> </tbody> </table>			TAG	TAGGED FIELD	DESCRIPTION	0	current_leader	The leader broker that the producer should use for future requests.			<table border="1"> <thead> <tr> <th>FIELD</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>leader_id</td> <td>The ID of the current</td> </tr> </tbody> </table>	FIELD	DESCRIPTION	leader_id	The ID of the current
TAG	TAGGED FIELD	DESCRIPTION														
0	current_leader	The leader broker that the producer should use for future requests.														
		<table border="1"> <thead> <tr> <th>FIELD</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>leader_id</td> <td>The ID of the current</td> </tr> </tbody> </table>	FIELD	DESCRIPTION	leader_id	The ID of the current										
FIELD	DESCRIPTION															
leader_id	The ID of the current															

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)[THE LATEST](#)

leader_epoch
h

known
leader
epoch.

_tagged_fields

The tagged fields

_tagged_fields

The tagged fields

throttle_time_ms

The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

_tagged_fields

TAG	TAGGED FIELD	DESCRIPTION
0	node_endpoint	Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.

0
node_endpoint
Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors
NOT_LEADER_OR_FOLLOWER.

FIELD	DESCRIPTION
node_id	The ID of the associated node.
host	The node's hostname.

node_id
The ID of the associated node.

host
The node's hostname.

FIELD	DESCRIPTION
rack	the node, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields

```
Produce Response (Version: 12) => [responses] throttle_time_ms _tagged_fields
responses => name [partition_responses] _tagged_fields
    name => COMPACT_STRING
    partition_responses => index error_code base_offset log_append_time_ms
        index => INT32
        error_code => INT16
        base_offset => INT64
        log_append_time_ms => INT64
        log_start_offset => INT64
        record_errors => batch_index batch_index_error_message _tagged_fields
            batch_index => INT32
            batch_index_error_message => COMPACT_NULLABLE_STRING
            error_message => COMPACT_NULLABLE_STRING
        throttle_time_ms => INT32
```

Response header version: 1

FIELD	DESCRIPTION
responses	Each produce response.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The error code, or 0 if there was no error.															
base_offset	The base offset.															
log_append_time_ms	The timestamp returned by broker after appending the messages. If CreateTime is used for the topic, the timestamp will be -1. If LogAppendTime is used for the topic, the timestamp will be the broker local time when the messages are appended.															
log_start_offset	The log start offset.															
record_errors	The batch indices of records that caused the batch to be dropped.															
batch_index	The batch index of the record that caused the batch to be dropped.															
batch_index_error_message	The error message of the record that caused the batch to be dropped.															
_tagged_fields	The tagged fields															
error_message	The global error message summarizing the common root cause of the records that caused the batch to be dropped.															
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>current_leader</td><td>The leader broker that the producer should use for future requests.</td></tr><tr><td></td><td></td><td><table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>leader_id</td><td>The ID of the current leader or -1 if the leader</td></tr></tbody></table></td></tr></tbody></table>			TAG	TAGGED FIELD	DESCRIPTION	0	current_leader	The leader broker that the producer should use for future requests.			<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>leader_id</td><td>The ID of the current leader or -1 if the leader</td></tr></tbody></table>	FIELD	DESCRIPTION	leader_id	The ID of the current leader or -1 if the leader
TAG	TAGGED FIELD	DESCRIPTION														
0	current_leader	The leader broker that the producer should use for future requests.														
		<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>leader_id</td><td>The ID of the current leader or -1 if the leader</td></tr></tbody></table>	FIELD	DESCRIPTION	leader_id	The ID of the current leader or -1 if the leader										
FIELD	DESCRIPTION															
leader_id	The ID of the current leader or -1 if the leader															

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD														
				II Leader epoch.																
				_tagged_fields	The tagged fields															
_tagged_fields																				
throttle_time_ms					The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.															
_tagged_fields			<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>node_endpoint_s</td><td>Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.</td></tr></tbody></table>	TAG	TAGGED FIELD	DESCRIPTION	0	node_endpoint_s	Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.		<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>node_id</td><td>The ID of the associated node.</td></tr><tr><td>host</td><td>The node's hostname.</td></tr><tr><td>port</td><td>The node's port.</td></tr></tbody></table>	FIELD	DESCRIPTION	node_id	The ID of the associated node.	host	The node's hostname.	port	The node's port.	
TAG	TAGGED FIELD	DESCRIPTION																		
0	node_endpoint_s	Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.																		
FIELD	DESCRIPTION																			
node_id	The ID of the associated node.																			
host	The node's hostname.																			
port	The node's port.																			

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
					assigned to a rack.	
				_tagged_fields	The tagged fields	

```
Produce Response (Version: 13) => [responses] throttle_time_ms _tagged_fields
responses => topic_id [partition_responses] _tagged_fields
topic_id => UUID
partition_responses => index error_code base_offset log_append_time_ms
index => INT32
error_code => INT16
base_offset => INT64
log_append_time_ms => INT64
log_start_offset => INT64
record_errors => batch_index batch_index_error_message _tagged_fields
batch_index => INT32
batch_index_error_message => COMPACT_NULLABLE_STRING
error_message => COMPACT_NULLABLE_STRING
throttle_time_ms => INT32
```

Response header version: 1

FIELD	DESCRIPTION
responses	Each produce response.
topic_id	The unique topic ID
partition_responses	Each partition that we produced to within the topic.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

log_append_time_ms	The timestamp returned by broker after appending the messages. If CreateTime is used for the topic, the timestamp will be -1. If LogAppendTime is used for the topic, the timestamp will be the broker local time when the messages are appended.											
log_start_offset	The log start offset.											
record_errors	The batch indices of records that caused the batch to be dropped.											
batch_index	The batch index of the record that caused the batch to be dropped.											
batch_index_error_message	The error message of the record that caused the batch to be dropped.											
_tagged_fields	The tagged fields											
error_message	The global error message summarizing the common root cause of the records that caused the batch to be dropped.											
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>current_leader</td><td>The leader broker that the producer should use for future requests.</td></tr><tr><td></td><td>leader_id</td><td>The ID of the current leader or -1 if the leader is unknown.</td></tr></tbody></table>			TAG	TAGGED FIELD	DESCRIPTION	0	current_leader	The leader broker that the producer should use for future requests.		leader_id	The ID of the current leader or -1 if the leader is unknown.
TAG	TAGGED FIELD	DESCRIPTION										
0	current_leader	The leader broker that the producer should use for future requests.										
	leader_id	The ID of the current leader or -1 if the leader is unknown.										

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD																	
					_tagged_fields	The tagged fields																	
_tagged_fields																							
throttle_time_ms						The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.																	
_tagged_fields				<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>node_endpoints</td><td>Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.</td></tr><tr><td></td><td><table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>node_id</td><td>The ID of the associated node.</td></tr><tr><td>host</td><td>The node's hostname.</td></tr><tr><td>port</td><td>The node's port.</td></tr></tbody></table></td><td></td></tr></tbody></table>	TAG	TAGGED FIELD	DESCRIPTION	0	node_endpoints	Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.		<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>node_id</td><td>The ID of the associated node.</td></tr><tr><td>host</td><td>The node's hostname.</td></tr><tr><td>port</td><td>The node's port.</td></tr></tbody></table>	FIELD	DESCRIPTION	node_id	The ID of the associated node.	host	The node's hostname.	port	The node's port.			
TAG	TAGGED FIELD	DESCRIPTION																					
0	node_endpoints	Endpoints for all current-leaders enumerated in PartitionProduceResponses, with errors NOT_LEADER_OR_FOLLOWER.																					
	<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>node_id</td><td>The ID of the associated node.</td></tr><tr><td>host</td><td>The node's hostname.</td></tr><tr><td>port</td><td>The node's port.</td></tr></tbody></table>	FIELD	DESCRIPTION	node_id	The ID of the associated node.	host	The node's hostname.	port	The node's port.														
FIELD	DESCRIPTION																						
node_id	The ID of the associated node.																						
host	The node's hostname.																						
port	The node's port.																						

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
					assigned to a rack.	
				_tagged_fields	The tagged fields	

Fetch API (Key: 1):

Requests:

```
Fetch Request (Version: 4) => replica_id max_wait_ms min_bytes max_bytes is
replica_id => INT32
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
topics => topic [partitions]
topic => STRING
partitions => partition fetch_offset partition_max_bytes
partition => INT32
fetch_offset => INT64
partition_max_bytes => INT32
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	response.
max_bytes	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
topics	The topics to fetch.
topic	The name of the topic to fetch.
partitions	The partitions to fetch.
partition	The partition index.
fetch_offset	The message offset.
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.

```
Fetch Request (Version: 5) => replica_id max_wait_ms min_bytes max_bytes is
replica_id => INT32
max_wait_ms => INT32
min_bytes => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
partitions => partition fetch_offset log_start_offset partition_max_byt
partition => INT32
fetch_offset => INT64
log_start_offset => INT64
partition_max_bytes => INT32
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.
max_bytes	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

partitions	The partitions to fetch.
partition	The partition index.
fetch_offset	The message offset.
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.

```

Fetch Request (Version: 6) => replica_id max_wait_ms min_bytes max_bytes is
replica_id => INT32
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
topics => topic [partitions]
topic => STRING
partitions => partition fetch_offset log_start_offset partition_max_byt
partition => INT32
fetch_offset => INT64
log_start_offset => INT64
partition_max_bytes => INT32

```

Request header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	response.
min_bytes	The minimum bytes to accumulate in the response.
max_bytes	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
topics	The topics to fetch.
topic	The name of the topic to fetch.
partitions	The partitions to fetch.
partition	The partition index.
fetch_offset	The message offset.
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
Fetch Request (Version: 7) => replica_id max_wait_ms min_bytes max_bytes is
replica_id => INT32
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
session_id => INT32
session_epoch => INT32
topics => topic [partitions]
topic => STRING
partitions => partition fetch_offset log_start_offset partition_max_byt
partition => INT32
fetch_offset => INT64
log_start_offset => INT64
partition_max_bytes => INT32
forgotten_topics_data => topic [partitions]
topic => STRING
partitions => INT32
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

isolation_level	records. Using READ_UNCOMMITTED (<code>isolation_level = 0</code>) makes all records visible. With READ_COMMITTED (<code>isolation_level = 1</code>), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
session_id	The fetch session ID.
session_epoch	The fetch session epoch, which is used for ordering requests in a session.
topics	The topics to fetch.
topic	The name of the topic to fetch.
partitions	The partitions to fetch.
partition	The partition index.
fetch_offset	The message offset.
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.
forgotten_topics_data	In an incremental fetch request, the partitions to remove.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
Fetch Request (Version: 8) => replica_id max_wait_ms min_bytes max_bytes is
replica_id => INT32
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
session_id => INT32
session_epoch => INT32
topics => topic [partitions]
topic => STRING
partitions => partition fetch_offset log_start_offset partition_max_byt
partition => INT32
fetch_offset => INT64
log_start_offset => INT64
partition_max_bytes => INT32
forgotten_topics_data => topic [partitions]
topic => STRING
partitions => INT32
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

isolation_level	records. Using READ_UNCOMMITTED (<code>isolation_level = 0</code>) makes all records visible. With READ_COMMITTED (<code>isolation_level = 1</code>), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
session_id	The fetch session ID.
session_epoch	The fetch session epoch, which is used for ordering requests in a session.
topics	The topics to fetch.
topic	The name of the topic to fetch.
partitions	The partitions to fetch.
partition	The partition index.
fetch_offset	The message offset.
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.
forgotten_topics_data	In an incremental fetch request, the partitions to remove.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
Fetch Request (Version: 9) => replica_id max_wait_ms min_bytes max_bytes is
replica_id => INT32
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
session_id => INT32
session_epoch => INT32
topics => topic [partitions]
topic => STRING
partitions => partition current_leader_epoch fetch_offset log_start_offset
partition => INT32
current_leader_epoch => INT32
fetch_offset => INT64
log_start_offset => INT64
partition_max_bytes => INT32
forgotten_topics_data => topic [partitions]
topic => STRING
partitions => INT32
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

isolation_level	records. Using READ_UNCOMMITTED (<code>isolation_level = 0</code>) makes all records visible. With READ_COMMITTED (<code>isolation_level = 1</code>), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
session_id	The fetch session ID.
session_epoch	The fetch session epoch, which is used for ordering requests in a session.
topics	The topics to fetch.
topic	The name of the topic to fetch.
partitions	The partitions to fetch.
partition	The partition index.
current_leader_epoch	The current leader epoch of the partition.
fetch_offset	The message offset.
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partitions

The partitions indexes to forget.

```
Fetch Request (Version: 10) => replica_id max_wait_ms min_bytes max_bytes i
replica_id => INT32
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
session_id => INT32
session_epoch => INT32
topics => topic [partitions]
topic => STRING
partitions => partition current_leader_epoch fetch_offset log_start_offset
partition => INT32
current_leader_epoch => INT32
fetch_offset => INT64
log_start_offset => INT64
partition_max_bytes => INT32
forgotten_topics_data => topic [partitions]
topic => STRING
partitions => INT32
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.
max_wait_ms	The maximum time in milliseconds to wait for the response.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	cases where this limit may not be honored.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (<code>isolation_level = 0</code>) makes all records visible. With READ_COMMITTED (<code>isolation_level = 1</code>), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
session_id	The fetch session ID.
session_epoch	The fetch session epoch, which is used for ordering requests in a session.
topics	The topics to fetch.
topic	The name of the topic to fetch.
partitions	The partitions to fetch.
partition	The partition index.
current_leader_epoch	The current leader epoch of the partition.
fetch_offset	The message offset.
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topic	The topic name.
partitions	The partitions indexes to forget.

```
Fetch Request (Version: 11) => replica_id max_wait_ms min_bytes max_bytes i
replica_id => INT32
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
session_id => INT32
session_epoch => INT32
topics => topic [partitions]
topic => STRING
partitions => partition current_leader_epoch fetch_offset log_start_offset
partition => INT32
current_leader_epoch => INT32
fetch_offset => INT64
log_start_offset => INT64
partition_max_bytes => INT32
forgotten_topics_data => topic [partitions]
topic => STRING
partitions => INT32
rack_id => STRING
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	OAD KAFKA
					response.
max_bytes					The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.
isolation_level					This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
session_id					The fetch session ID.
session_epoch					The fetch session epoch, which is used for ordering requests in a session.
topics					The topics to fetch.
topic					The name of the topic to fetch.
partitions					The partitions to fetch.
partition					The partition index.
current_leader_epoch					The current leader epoch of the partition.
fetch_offset					The message offset.
log_start_offset					The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

forgotten_topics_data	In an incremental fetch request, the partitions to remove.
topic	The topic name.
partitions	The partitions indexes to forget.
rack_id	Rack ID of the consumer making this request.

```
Fetch Request (Version: 12) => replica_id max_wait_ms min_bytes max_bytes i
    replica_id => INT32
    max_wait_ms => INT32
    min_bytes => INT32
    max_bytes => INT32
    isolation_level => INT8
    session_id => INT32
    session_epoch => INT32
    topics => topic [partitions] _tagged_fields
        topic => COMPACT_STRING
        partitions => partition current_leader_epoch fetch_offset last_fetched_
            partition => INT32
            current_leader_epoch => INT32
            fetch_offset => INT64
            last_fetched_epoch => INT32
            log_start_offset => INT64
            partition_max_bytes => INT32
    forgotten_topics_data => topic [partitions] _tagged_fields
        topic => COMPACT_STRING
        partitions => INT32
    rack_id => COMPACT_STRING
```

Request header version: 2

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.
max_bytes	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
session_id	The fetch session ID.
session_epoch	The fetch session epoch, which is used for ordering requests in a session.
topics	The topics to fetch.
topic	The name of the topic to fetch.
partitions	The partitions to fetch.
partition	The partition index.
current_leader_epoch	The current leader epoch of the partition.
fetch_offset	The message offset.
last_fetched_epoch	The epoch of the last fetched record or -1 if there is none.
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields								
forgotten_topics_data	In an incremental fetch request, the partitions to remove.								
topic	The topic name.								
partitions	The partitions indexes to forget.								
_tagged_fields	The tagged fields								
rack_id	Rack ID of the consumer making this request.								
	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>cluster_id</td><td>The clusterId if known. This is used to validate metadata fetches prior to broker registration.</td></tr></tbody></table>			TAG	TAGGED FIELD	DESCRIPTION	0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.
TAG	TAGGED FIELD	DESCRIPTION							
0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.							

```
Fetch Request (Version: 13) => replica_id max_wait_ms min_bytes max_bytes i  
replica_id => INT32  
max_wait_ms => INT32  
min_bytes => INT32  
max_bytes => INT32  
isolation_level => INT8  
session_id => INT32  
session_epoch => INT32  
topics => topic_id [partitions] _tagged_fields  
topic_id => UUID  
partitions => partition current_leader_epoch fetch_offset last_fetched_
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
log_start_offset => INT64
partition_max_bytes => INT32
forgotten_topics_data => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => INT32
rack_id => COMPACT_STRING
```

Request header version: 2

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.
max_bytes	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
session_id	The fetch session ID.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topic_id	The unique topic ID.								
partitions	The partitions to fetch.								
partition	The partition index.								
current_leader_epoch	The current leader epoch of the partition.								
fetch_offset	The message offset.								
last_fetched_epoch	The epoch of the last fetched record or -1 if there is none.								
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.								
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.								
_tagged_fields	The tagged fields								
_tagged_fields	The tagged fields								
forgotten_topics_data	In an incremental fetch request, the partitions to remove.								
topic_id	The unique topic ID.								
partitions	The partitions indexes to forget.								
_tagged_fields	The tagged fields								
rack_id	Rack ID of the consumer making this request.								
_tagged_fields	<table border="1"> <thead> <tr> <th>TAG</th> <th>TAGGED FIELD</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>cluster_id</td> <td>The clusterId if known. This is used to validate metadata fetches prior to</td> </tr> </tbody> </table>			TAG	TAGGED FIELD	DESCRIPTION	0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to
TAG	TAGGED FIELD	DESCRIPTION							
0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to							

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
Fetch Request (Version: 14) => replica_id max_wait_ms min_bytes max_bytes i
    replica_id => INT32
    max_wait_ms => INT32
    min_bytes => INT32
    max_bytes => INT32
    isolation_level => INT8
    session_id => INT32
    session_epoch => INT32
    topics => topic_id [partitions] _tagged_fields
        topic_id => UUID
        partitions => partition current_leader_epoch fetch_offset last_fetched_
            partition => INT32
            current_leader_epoch => INT32
            fetch_offset => INT64
            last_fetched_epoch => INT32
            log_start_offset => INT64
            partition_max_bytes => INT32
    forgotten_topics_data => topic_id [partitions] _tagged_fields
        topic_id => UUID
        partitions => INT32
    rack_id => COMPACT_STRING
```

Request header version: 2

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

isolation_level	Using READ_UNCOMMITTED (<code>isolation_level = 0</code>) makes all records visible. With READ_COMMITTED (<code>isolation_level = 1</code>), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
session_id	The fetch session ID.
session_epoch	The fetch session epoch, which is used for ordering requests in a session.
topics	The topics to fetch.
topic_id	The unique topic ID.
partitions	The partitions to fetch.
partition	The partition index.
current_leader_epoch	The current leader epoch of the partition.
fetch_offset	The message offset.
last_fetched_epoch	The epoch of the last fetched record or -1 if there is none.
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
forgotten_topics_data	In an incremental fetch request, the partitions to remove.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

rack_id	Rack ID of the consumer making this request.		
	TAG	TAGGED FIELD	DESCRIPTION
_tagged_fields	0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.

```
Fetch Request (Version: 15) => max_wait_ms min_bytes max_bytes isolation_level
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
session_id => INT32
session_epoch => INT32
topics => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition current_leader_epoch fetch_offset last_fetched_
partition => INT32
current_leader_epoch => INT32
fetch_offset => INT64
last_fetched_epoch => INT32
log_start_offset => INT64
partition_max_bytes => INT32
forgotten_topics_data => topic_id [partitions] _tagged_fields
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)**Request header version: 2**

FIELD	DESCRIPTION
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.
max_bytes	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
session_id	The fetch session ID.
session_epoch	The fetch session epoch, which is used for ordering requests in a session.
topics	The topics to fetch.
topic_id	The unique topic ID.
partitions	The partitions to fetch.
partition	The partition index.
current_leader_epoch	The current leader epoch of the partition.
fetch_offset	The message offset.
last_fetched_epoch	The epoch of the last fetched record or -1 if there is none.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

		where this limit may not be honored.																										
_tagged_fields		The tagged fields																										
_tagged_fields		The tagged fields																										
forgotten_topics_data		In an incremental fetch request, the partitions to remove.																										
topic_id		The unique topic ID.																										
partitions		The partitions indexes to forget.																										
_tagged_fields		The tagged fields																										
rack_id		Rack ID of the consumer making this request.																										
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>cluster_id</td><td>The clusterId if known. This is used to validate metadata fetches prior to broker registration.</td></tr><tr><td>1</td><td>replica_state</td><td><table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a</td></tr></tbody></table></td></tr></tbody></table>	TAG	TAGGED FIELD	DESCRIPTION	0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.	1	replica_state	<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a</td></tr></tbody></table>	FIELD	DESCRIPTION	replica_id	The replica ID of the follower, or -1 if this request is from a	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>cluster_id</td><td>The clusterId if known. This is used to validate metadata fetches prior to broker registration.</td></tr><tr><td>1</td><td>replica_state</td><td><table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a</td></tr></tbody></table></td></tr></tbody></table>	TAG	TAGGED FIELD	DESCRIPTION	0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.	1	replica_state	<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a</td></tr></tbody></table>	FIELD	DESCRIPTION	replica_id	The replica ID of the follower, or -1 if this request is from a
TAG	TAGGED FIELD	DESCRIPTION																										
0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.																										
1	replica_state	<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a</td></tr></tbody></table>	FIELD	DESCRIPTION	replica_id	The replica ID of the follower, or -1 if this request is from a																						
FIELD	DESCRIPTION																											
replica_id	The replica ID of the follower, or -1 if this request is from a																											
TAG	TAGGED FIELD	DESCRIPTION																										
0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.																										
1	replica_state	<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a</td></tr></tbody></table>	FIELD	DESCRIPTION	replica_id	The replica ID of the follower, or -1 if this request is from a																						
FIELD	DESCRIPTION																											
replica_id	The replica ID of the follower, or -1 if this request is from a																											

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
				ch	TOMORROW, OR -1 if not available.	
				_tagged_fields	The tagged fields	

```
Fetch Request (Version: 16) => max_wait_ms min_bytes max_bytes isolation_level
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
session_id => INT32
session_epoch => INT32
topics => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition current_leader_epoch fetch_offset last_fetched_
partition => INT32
current_leader_epoch => INT32
fetch_offset => INT64
last_fetched_epoch => INT32
log_start_offset => INT64
partition_max_bytes => INT32
forgotten_topics_data => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => INT32
rack_id => COMPACT_STRING
```

Request header version: 2

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>min_bytes</code>	The minimum bytes to accumulate in the response.
<code>max_bytes</code>	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.
<code>isolation_level</code>	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (<code>isolation_level = 0</code>) makes all records visible. With READ_COMMITTED (<code>isolation_level = 1</code>), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
<code>session_id</code>	The fetch session ID.
<code>session_epoch</code>	The fetch session epoch, which is used for ordering requests in a session.
<code>topics</code>	The topics to fetch.
<code>topic_id</code>	The unique topic ID.
<code>partitions</code>	The partitions to fetch.
<code>partition</code>	The partition index.
<code>current_leader_epoch</code>	The current leader epoch of the partition.
<code>fetch_offset</code>	The message offset.
<code>last_fetched_epoch</code>	The epoch of the last fetched record or -1 if there is none.
<code>log_start_offset</code>	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.
<code>partition_max_bytes</code>	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.
<code>_tagged_fields</code>	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partitions	The partitions indexes to forget.																	
_tagged_fields	The tagged fields																	
rack_id	Rack ID of the consumer making this request.																	
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>cluster_id</td><td>The clusterId if known. This is used to validate metadata fetches prior to broker registration.</td></tr><tr><td>1</td><td>replica_state</td><td><table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a consumer.</td></tr><tr><td>replica_epoch</td><td>The epoch of this follower, or -1 if not available.</td></tr></tbody></table></td></tr></tbody></table>			TAG	TAGGED FIELD	DESCRIPTION	0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.	1	replica_state	<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a consumer.</td></tr><tr><td>replica_epoch</td><td>The epoch of this follower, or -1 if not available.</td></tr></tbody></table>	FIELD	DESCRIPTION	replica_id	The replica ID of the follower, or -1 if this request is from a consumer.	replica_epoch	The epoch of this follower, or -1 if not available.
TAG	TAGGED FIELD	DESCRIPTION																
0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.																
1	replica_state	<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a consumer.</td></tr><tr><td>replica_epoch</td><td>The epoch of this follower, or -1 if not available.</td></tr></tbody></table>	FIELD	DESCRIPTION	replica_id	The replica ID of the follower, or -1 if this request is from a consumer.	replica_epoch	The epoch of this follower, or -1 if not available.										
FIELD	DESCRIPTION																	
replica_id	The replica ID of the follower, or -1 if this request is from a consumer.																	
replica_epoch	The epoch of this follower, or -1 if not available.																	

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
Fetch Request (Version: 17) => max_wait_ms min_bytes max_bytes isolation_level
max_wait_ms => INT32
min_bytes => INT32
max_bytes => INT32
isolation_level => INT8
session_id => INT32
session_epoch => INT32
topics => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition current_leader_epoch fetch_offset last_fetched_
partition => INT32
current_leader_epoch => INT32
fetch_offset => INT64
last_fetched_epoch => INT32
log_start_offset => INT64
partition_max_bytes => INT32
forgotten_topics_data => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => INT32
rack_id => COMPACT_STRING
```

Request header version: 2

FIELD	DESCRIPTION
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.
max_bytes	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

isolation_level	READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.								
session_id	The fetch session ID.								
session_epoch	The fetch session epoch, which is used for ordering requests in a session.								
topics	The topics to fetch.								
topic_id	The unique topic ID.								
partitions	The partitions to fetch.								
partition	The partition index.								
current_leader_epoch	The current leader epoch of the partition.								
fetch_offset	The message offset.								
last_fetched_epoch	The epoch of the last fetched record or -1 if there is none.								
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.								
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.								
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>replica_directory_id</td><td>The directory id of the follower fetching.</td></tr></tbody></table>			TAG	TAGGED FIELD	DESCRIPTION	0	replica_directory_id	The directory id of the follower fetching.
TAG	TAGGED FIELD	DESCRIPTION							
0	replica_directory_id	The directory id of the follower fetching.							
The tagged fields									

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields																			
rack_id	Rack ID of the consumer making this request.																			
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>cluster_id</td><td>The clusterId if known. This is used to validate metadata fetches prior to broker registration.</td></tr><tr><td>1</td><td>replica_state</td><td>The state of the replica in the follower.<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a consumer.</td></tr><tr><td>replica_epoch</td><td>The epoch of this follower, or -1 if not available.</td></tr><tr><td>_tagged_fiel</td><td>The tagged</td></tr></tbody></table></td></tr></tbody></table>			TAG	TAGGED FIELD	DESCRIPTION	0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.	1	replica_state	The state of the replica in the follower. <table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a consumer.</td></tr><tr><td>replica_epoch</td><td>The epoch of this follower, or -1 if not available.</td></tr><tr><td>_tagged_fiel</td><td>The tagged</td></tr></tbody></table>	FIELD	DESCRIPTION	replica_id	The replica ID of the follower, or -1 if this request is from a consumer.	replica_epoch	The epoch of this follower, or -1 if not available.	_tagged_fiel	The tagged
TAG	TAGGED FIELD	DESCRIPTION																		
0	cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.																		
1	replica_state	The state of the replica in the follower. <table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>replica_id</td><td>The replica ID of the follower, or -1 if this request is from a consumer.</td></tr><tr><td>replica_epoch</td><td>The epoch of this follower, or -1 if not available.</td></tr><tr><td>_tagged_fiel</td><td>The tagged</td></tr></tbody></table>	FIELD	DESCRIPTION	replica_id	The replica ID of the follower, or -1 if this request is from a consumer.	replica_epoch	The epoch of this follower, or -1 if not available.	_tagged_fiel	The tagged										
FIELD	DESCRIPTION																			
replica_id	The replica ID of the follower, or -1 if this request is from a consumer.																			
replica_epoch	The epoch of this follower, or -1 if not available.																			
_tagged_fiel	The tagged																			

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
Fetch Request (Version: 18) => max_wait_ms min_bytes max_bytes isolation_level
    max_wait_ms => INT32
    min_bytes => INT32
    max_bytes => INT32
    isolation_level => INT8
    session_id => INT32
    session_epoch => INT32
    topics => topic_id [partitions] _tagged_fields
        topic_id => UUID
        partitions => partition current_leader_epoch fetch_offset last_fetched_
            partition => INT32
            current_leader_epoch => INT32
            fetch_offset => INT64
            last_fetched_epoch => INT32
            log_start_offset => INT64
            partition_max_bytes => INT32
    forgotten_topics_data => topic_id [partitions] _tagged_fields
        topic_id => UUID
        partitions => INT32
    rack_id => COMPACT_STRING
```

Request header version: 2

FIELD	DESCRIPTION
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.
max_bytes	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

isolation_level	READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.											
session_id	The fetch session ID.											
session_epoch	The fetch session epoch, which is used for ordering requests in a session.											
topics	The topics to fetch.											
topic_id	The unique topic ID.											
partitions	The partitions to fetch.											
partition	The partition index.											
current_leader_epoch	The current leader epoch of the partition.											
fetch_offset	The message offset.											
last_fetched_epoch	The epoch of the last fetched record or -1 if there is none.											
log_start_offset	The earliest available offset of the follower replica. The field is only used when the request is sent by the follower.											
partition_max_bytes	The maximum bytes to fetch from this partition. See KIP-74 for cases where this limit may not be honored.											
_tagged_fields	<table border="1"> <thead> <tr> <th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td>0</td><td>replica_directory_id</td><td>The directory id of the follower fetching.</td></tr> <tr> <td>1</td><td>high_watermark</td><td>The high-watermark known by the</td></tr> </tbody> </table>			TAG	TAGGED FIELD	DESCRIPTION	0	replica_directory_id	The directory id of the follower fetching.	1	high_watermark	The high-watermark known by the
TAG	TAGGED FIELD	DESCRIPTION										
0	replica_directory_id	The directory id of the follower fetching.										
1	high_watermark	The high-watermark known by the										

				807 if the feature is not supported.	
_tagged_fields	The tagged fields				
forgotten_topics_data	In an incremental fetch request, the partitions to remove.				
topic_id	The unique topic ID.				
partitions	The partitions indexes to forget.				
_tagged_fields	The tagged fields				
rack_id	Rack ID of the consumer making this request.				
_tagged_fields		TAG	TAGGED FIELD	DESCRIPTION	
	0		cluster_id	The clusterId if known. This is used to validate metadata fetches prior to broker registration.	
	1		replica_state	The state of the replica in the follower.	
				FIELD	DESCRIPTION
				replica_id	The replica ID of the follower, or -1 if this request is from a

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
				ch	TOMORROW, OR -1 if not available.	
				_tagged_fields	The tagged fields	

Responses:

```
Fetch Response (Version: 4) => throttle_time_ms [responses]
    throttle_time_ms => INT32
    responses => topic [partitions]
        topic => STRING
        partitions => partition_index error_code high_watermark last_stable_offset
            partition_index => INT32
            error_code => INT16
            high_watermark => INT64
            last_stable_offset => INT64
            aborted_transactions => producer_id first_offset
                producer_id => INT64
                first_offset => INT64
    records => RECORDS
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_index	The partition index.
error_code	The error code, or 0 if there was no fetch error.
high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
aborted_transactions	The aborted transactions.
producer_id	The producer id associated with the aborted transaction.
first_offset	The first offset in the aborted transaction.
records	The record data.

Fetch Response (Version: 5) => throttle_time_ms [responses]

throttle_time_ms => INT32

responses => topic [partitions]

topic => STRING

partitions => partition_index error_code high_watermark last_stable_offset

partition_index => INT32

error_code => INT16

high_watermark => INT64

last_stable_offset => INT64

log_start_offset => INT64

aborted_transactions => producer_id first_offset

producer_id => INT64

first_offset => INT64

records => RECORDS

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The response topics.
topic	The topic name.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The error code, or 0 if there was no fetch error.
high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
log_start_offset	The current log start offset.
aborted_transactions	The aborted transactions.
producer_id	The producer id associated with the aborted transaction.
first_offset	The first offset in the aborted transaction.
records	The record data.

```
Fetch Response (Version: 6) => throttle_time_ms [responses]
    throttle_time_ms => INT32
    responses => topic [partitions]
        topic => STRING
        partitions => partition_index error_code high_watermark last_stable_offset
            partition_index => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
aborted_transactions => producer_id first_offset  
producer_id => INT64  
first_offset => INT64  
records => RECORDS
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The response topics.
topic	The topic name.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The error code, or 0 if there was no fetch error.
high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
log_start_offset	The current log start offset.
aborted_transactions	The aborted transactions.
producer_id	The producer id associated with the aborted transaction.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
Fetch Response (Version: 7) => throttle_time_ms error_code session_id [responses]
    throttle_time_ms => INT32
    error_code => INT16
    session_id => INT32
    responses => topic [partitions]
        topic => STRING
        partitions => partition_index error_code high_watermark last_stable_offset
            partition_index => INT32
            error_code => INT16
            high_watermark => INT64
            last_stable_offset => INT64
            log_start_offset => INT64
            aborted_transactions => producer_id first_offset
                producer_id => INT64
                first_offset => INT64
    records => RECORDS
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.
responses	The response topics.
topic	The topic name.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
log_start_offset	The current log start offset.
aborted_transactions	The aborted transactions.
producer_id	The producer id associated with the aborted transaction.
first_offset	The first offset in the aborted transaction.
records	The record data.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
session_id => INT32
responses => topic [partitions]
topic => STRING
partitions => partition_index error_code high_watermark last_stable_offset
partition_index => INT32
error_code => INT16
high_watermark => INT64
last_stable_offset => INT64
log_start_offset => INT64
aborted_transactions => producer_id first_offset
producer_id => INT64
first_offset => INT64
records => RECORDS
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.
responses	The response topics.
topic	The topic name.
partitions	The topic partitions.
partition_index	The partition index.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

last_stable_offset	This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
log_start_offset	The current log start offset.
aborted_transactions	The aborted transactions.
producer_id	The producer id associated with the aborted transaction.
first_offset	The first offset in the aborted transaction.
records	The record data.

```
Fetch Response (Version: 9) => throttle_time_ms error_code session_id [responses]
    throttle_time_ms => INT32
    error_code => INT16
    session_id => INT32
    responses => topic [partitions]
        topic => STRING
        partitions => partition_index error_code high_watermark last_stable_offset
            partition_index => INT32
            error_code => INT16
            high_watermark => INT64
            last_stable_offset => INT64
            log_start_offset => INT64
            aborted_transactions => producer_id first_offset
                producer_id => INT64
                first_offset => INT64
            records => RECORDS
```

Response header version: 0

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.
responses	The response topics.
topic	The topic name.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The error code, or 0 if there was no fetch error.
high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
log_start_offset	The current log start offset.
aborted_transactions	The aborted transactions.
producer_id	The producer id associated with the aborted transaction.
first_offset	The first offset in the aborted transaction.
records	The record data.

```
Fetch Response (Version: 10) => throttle_time_ms error_code session_id [res
throttle_time_ms => INT32
error_code => INT16
session_id => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_code => INT16
high_watermark => INT64
last_stable_offset => INT64
log_start_offset => INT64
aborted_transactions => producer_id first_offset
producer_id => INT64
first_offset => INT64
records => RECORDS
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.
responses	The response topics.
topic	The topic name.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The error code, or 0 if there was no fetch error.
high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

aborted_transactions	The aborted transactions.
producer_id	The producer id associated with the aborted transaction.
first_offset	The first offset in the aborted transaction.
records	The record data.

```

Fetch Response (Version: 11) => throttle_time_ms error_code session_id [res
    throttle_time_ms => INT32
    error_code => INT16
    session_id => INT32
    responses => topic [partitions]
        topic => STRING
        partitions => partition_index error_code high_watermark last_stable_offset
            partition_index => INT32
            error_code => INT16
            high_watermark => INT64
            last_stable_offset => INT64
            log_start_offset => INT64
            aborted_transactions => producer_id first_offset
                producer_id => INT64
                first_offset => INT64
            preferred_read_replica => INT32
            records => RECORDS

```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>responses</code>	fetch session.
<code>topic</code>	The topic name.
<code>partitions</code>	The topic partitions.
<code>partition_index</code>	The partition index.
<code>error_code</code>	The error code, or 0 if there was no fetch error.
<code>high_watermark</code>	The current high water mark.
<code>last_stable_offset</code>	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
<code>log_start_offset</code>	The current log start offset.
<code>aborted_transactions</code>	The aborted transactions.
<code>producer_id</code>	The producer id associated with the aborted transaction.
<code>first_offset</code>	The first offset in the aborted transaction.
<code>preferred_read_replica</code>	The preferred read replica for the consumer to use on its next fetch request.
<code>records</code>	The record data.

```
Fetch Response (Version: 12) => throttle_time_ms error_code session_id [res
    throttle_time_ms => INT32
    error_code => INT16
    session_id => INT32
    responses => topic [partitions] _tagged_fields
        topic => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
last_stable_offset => INT64
log_start_offset => INT64
aborted_transactions => producer_id first_offset _tagged_fields
producer_id => INT64
first_offset => INT64
preferred_read_replica => INT32
records => COMPACT_RECORDS
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.
responses	The response topics.
topic	The topic name.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The error code, or 0 if there was no fetch error.
high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
log_start_offset	The current log start offset.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields										
preferred_read_replica	The preferred read replica for the consumer to use on its next fetch request.										
records	The record data.										
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>diverging_epoch</td><td>In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.</td></tr></tbody></table>			TAG	TAGGED FIELD	DESCRIPTION	0	diverging_epoch	In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.		
TAG	TAGGED FIELD	DESCRIPTION									
0	diverging_epoch	In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.									
	0	diverging_epoch	<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>epoch</td><td>The largest epoch.</td></tr><tr><td>end_offset</td><td>The end offset of the epoch.</td></tr><tr><td>_tagged_fields</td><td>The tagged fields</td></tr></tbody></table>	FIELD	DESCRIPTION	epoch	The largest epoch.	end_offset	The end offset of the epoch.	_tagged_fields	The tagged fields
FIELD	DESCRIPTION										
epoch	The largest epoch.										
end_offset	The end offset of the epoch.										
_tagged_fields	The tagged fields										

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

		FIELDS		DESCRIPTION
1	current_leader	leader_id	The ID of the current leader or -1 if the leader is unknown.	
		leader_epoch	The latest known leader epoch.	
		_tagged_fields	The tagged fields	
2	snapshot_id	In the case of fetching an offset less than the LogStartOffset, this is the end offset and epoch that should be used in the FetchSnapshot request.		
		end_offset	The end offset of the epoch.	
	epoch	epoch	The largest epoch.	

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
Fetch Response (Version: 13) => throttle_time_ms error_code session_id [responses]
throttle_time_ms => INT32
error_code => INT16
session_id => INT32
responses => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition_index error_code high_watermark last_stable_offset
partition_index => INT32
error_code => INT16
high_watermark => INT64
last_stable_offset => INT64
log_start_offset => INT64
aborted_transactions => producer_id first_offset _tagged_fields
producer_id => INT64
first_offset => INT64
preferred_read_replica => INT32
records => COMPACT_RECORDS
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

partition_index	The partition index.								
error_code	The error code, or 0 if there was no fetch error.								
high_watermark	The current high water mark.								
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).								
log_start_offset	The current log start offset.								
aborted_transactions	The aborted transactions.								
producer_id	The producer id associated with the aborted transaction.								
first_offset	The first offset in the aborted transaction.								
_tagged_fields	The tagged fields								
preferred_read_replica	The preferred read replica for the consumer to use on its next fetch request.								
records	The record data.								
_tagged_fields	<table border="1"> <thead> <tr> <th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td>0</td><td>diverging_epoch</td><td>In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.</td></tr> </tbody> </table>			TAG	TAGGED FIELD	DESCRIPTION	0	diverging_epoch	In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.
TAG	TAGGED FIELD	DESCRIPTION							
0	diverging_epoch	In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.							

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

			<table border="1"><tr><td>epoch</td><td>The largest epoch.</td></tr><tr><td>end_offset</td><td>The end offset of the epoch.</td></tr><tr><td>_tagged_fields</td><td>The tagged fields</td></tr></table>	epoch	The largest epoch.	end_offset	The end offset of the epoch.	_tagged_fields	The tagged fields		
epoch	The largest epoch.										
end_offset	The end offset of the epoch.										
_tagged_fields	The tagged fields										
1	current_leader	The current leader of the partition.	<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>leader_id</td><td>The ID of the current leader or -1 if the leader is unknown.</td></tr><tr><td>leader_epoch</td><td>The latest known leader epoch.</td></tr><tr><td>_tagged_fields</td><td>The tagged fields</td></tr></tbody></table>	FIELD	DESCRIPTION	leader_id	The ID of the current leader or -1 if the leader is unknown.	leader_epoch	The latest known leader epoch.	_tagged_fields	The tagged fields
FIELD	DESCRIPTION										
leader_id	The ID of the current leader or -1 if the leader is unknown.										
leader_epoch	The latest known leader epoch.										
_tagged_fields	The tagged fields										
2	snapshot_id	In the case of fetching an offset less than the LogStartOffset, this is the end									

FIELD	DESCRIPTION
end_offset	The end offset of the epoch.
epoch	The largest epoch.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
Fetch Response (Version: 14) => throttle_time_ms error_code session_id [responses]
throttle_time_ms => INT32
error_code => INT16
session_id => INT32
responses => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition_index error_code high_watermark last_stable_offset
partition_index => INT32
error_code => INT16
high_watermark => INT64
last_stable_offset => INT64
log_start_offset => INT64
aborted_transactions => producer_id first_offset _tagged_fields
producer_id => INT64
first_offset => INT64
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response Header Version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.
responses	The response topics.
topic_id	The unique topic ID.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The error code, or 0 if there was no fetch error.
high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
log_start_offset	The current log start offset.
aborted_transactions	The aborted transactions.
producer_id	The producer id associated with the aborted transaction.
first_offset	The first offset in the aborted transaction.
_tagged_fields	The tagged fields
preferred_read_replica	The preferred read replica for the consumer to use on its next fetch request.
records	The record data.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.

0

diverging_epoch

FIELD	DESCRIPTION
epoch	The largest epoch.
end_offset	The end offset of the epoch.
_tagged_fields	The tagged fields

1

current_leader

The current leader of the partition.

FIELD	DESCRIPTION

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD								
					is unknown.									
				leader_epoch	The latest known leader epoch.									
				_tagged_fields	The tagged fields									
			In the case of fetching an offset less than the LogStartOffset, this is the end offset and epoch that should be used in the FetchSnapshot request.											
2		snapshot_id		<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>end_offset</td><td>The end offset of the epoch.</td></tr><tr><td>epoch</td><td>The largest epoch.</td></tr><tr><td>_tagged_fields</td><td>The tagged fields</td></tr></tbody></table>	FIELD	DESCRIPTION	end_offset	The end offset of the epoch.	epoch	The largest epoch.	_tagged_fields	The tagged fields		
FIELD	DESCRIPTION													
end_offset	The end offset of the epoch.													
epoch	The largest epoch.													
_tagged_fields	The tagged fields													
_tagged_fields	The tagged fields													

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
throttle_time_ms => INT32
error_code => INT16
session_id => INT32
responses => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition_index error_code high_watermark last_stable_offset
partition_index => INT32
error_code => INT16
high_watermark => INT64
last_stable_offset => INT64
log_start_offset => INT64
aborted_transactions => producer_id first_offset _tagged_fields
producer_id => INT64
first_offset => INT64
preferred_read_replica => INT32
records => COMPACT_RECORDS
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.
responses	The response topics.
topic_id	The unique topic ID.
partitions	The topic partitions.
partition_index	The partition index.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

last_stable_offset	such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).															
log_start_offset	The current log start offset.															
aborted_transactions	The aborted transactions.															
producer_id	The producer id associated with the aborted transaction.															
first_offset	The first offset in the aborted transaction.															
_tagged_fields	The tagged fields															
preferred_read_replica	The preferred read replica for the consumer to use on its next fetch request.															
records	The record data.															
_tagged_fields	<table border="1"> <thead> <tr> <th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td>0</td><td>diverging_epoch</td><td>In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.</td></tr> <tr> <td></td><td></td><td> <table border="1"> <thead> <tr> <th>FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td>epoch</td><td>The largest epoch.</td></tr> </tbody> </table> </td></tr> </tbody> </table>			TAG	TAGGED FIELD	DESCRIPTION	0	diverging_epoch	In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.			<table border="1"> <thead> <tr> <th>FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td>epoch</td><td>The largest epoch.</td></tr> </tbody> </table>	FIELD	DESCRIPTION	epoch	The largest epoch.
TAG	TAGGED FIELD	DESCRIPTION														
0	diverging_epoch	In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.														
		<table border="1"> <thead> <tr> <th>FIELD</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr> <td>epoch</td><td>The largest epoch.</td></tr> </tbody> </table>	FIELD	DESCRIPTION	epoch	The largest epoch.										
FIELD	DESCRIPTION															
epoch	The largest epoch.															

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

			<table border="1"><tr><td>_tagged_fields</td><td>The tagged fields</td></tr></table>	_tagged_fields	The tagged fields						
_tagged_fields	The tagged fields										
			<p>The current leader of the partition.</p> <table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>leader_id</td><td>The ID of the current leader or -1 if the leader is unknown.</td></tr><tr><td>leader_epoch</td><td>The latest known leader epoch.</td></tr><tr><td>_tagged_fields</td><td>The tagged fields</td></tr></tbody></table>	FIELD	DESCRIPTION	leader_id	The ID of the current leader or -1 if the leader is unknown.	leader_epoch	The latest known leader epoch.	_tagged_fields	The tagged fields
FIELD	DESCRIPTION										
leader_id	The ID of the current leader or -1 if the leader is unknown.										
leader_epoch	The latest known leader epoch.										
_tagged_fields	The tagged fields										
1	current_leader		<p>In the case of fetching an offset less than the LogStartOffset, this is the end offset and epoch that should be used in the FetchSnapshot request.</p> <table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead></table>	FIELD	DESCRIPTION						
FIELD	DESCRIPTION										
2	snapshot_id										

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
				epoch	The largest epoch.	
				_tagged_fields	The tagged fields	
_tagged_fields						
_tagged_fields						

```
Fetch Response (Version: 16) => throttle_time_ms error_code session_id [res
throttle_time_ms => INT32
error_code => INT16
session_id => INT32
responses => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition_index error_code high_watermark last_stable_offset
partition_index => INT32
error_code => INT16
high_watermark => INT64
last_stable_offset => INT64
log_start_offset => INT64
aborted_transactions => producer_id first_offset _tagged_fields
producer_id => INT64
first_offset => INT64
preferred_read_replica => INT32
records => COMPACT_RECORDS
```

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The top level response error code.		
session_id	The fetch session ID, or 0 if this is not part of a fetch session.		
responses	The response topics.		
topic_id	The unique topic ID.		
partitions	The topic partitions.		
partition_index	The partition index.		
error_code	The error code, or 0 if there was no fetch error.		
high_watermark	The current high water mark.		
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).		
log_start_offset	The current log start offset.		
aborted_transactions	The aborted transactions.		
producer_id	The producer id associated with the aborted transaction.		
first_offset	The first offset in the aborted transaction.		
_tagged_fields	The tagged fields		
preferred_read_replica	The preferred read replica for the consumer to use on its next fetch request.		
records	The record data.		
_tagged_fields	TAG	TAGGED FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.

0

diverging_epoch

FIELD	DESCRIPTION
epoch	The largest epoch.
end_offset	The end offset of the epoch.
_tagged_fields	The tagged fields

1

current_leader

The current leader of the partition.

FIELD	DESCRIPTION
leader_id	The ID of the current leader or -1 if the leader is unknown.
leader_epoch	The latest known leader

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

				In the case of fetching an offset less than the LogStartOffset, this is the end offset and epoch that should be used in the FetchSnapshot request.								
	2	snapshot_id		<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>end_offset</td><td>The end offset of the epoch.</td></tr><tr><td>epoch</td><td>The largest epoch.</td></tr><tr><td>_tagged_fields</td><td>The tagged fields</td></tr></tbody></table>	FIELD	DESCRIPTION	end_offset	The end offset of the epoch.	epoch	The largest epoch.	_tagged_fields	The tagged fields
FIELD	DESCRIPTION											
end_offset	The end offset of the epoch.											
epoch	The largest epoch.											
_tagged_fields	The tagged fields											
_tagged_fields				The tagged fields								
_tagged_fields				<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>node_endpoints</td><td>Endpoints for all current-leaders enumerated in PartitionData, with errors NOT_LEADER_OR_FOLLOWER & FENCED LEADER_EPOCH.</td></tr></tbody></table>	TAG	TAGGED FIELD	DESCRIPTION	0	node_endpoints	Endpoints for all current-leaders enumerated in PartitionData, with errors NOT_LEADER_OR_FOLLOWER & FENCED LEADER_EPOCH.		
TAG	TAGGED FIELD	DESCRIPTION										
0	node_endpoints	Endpoints for all current-leaders enumerated in PartitionData, with errors NOT_LEADER_OR_FOLLOWER & FENCED LEADER_EPOCH.										

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
					node_id	The ID of the associated node.
					host	The node's hostname.
					port	The node's port.
					rack	The rack of the node, or null if it has not been assigned to a rack.
					_tagged_fields	The tagged fields

```
Fetch Response (Version: 17) => throttle_time_ms error_code session_id [responses]
throttle_time_ms => INT32
error_code => INT16
session_id => INT32
responses => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition_index error_code high_watermark last_stable_offset
partition_index => INT32
error_code => INT16
high_watermark => INT64
last_stable_offset => INT64
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

preferred_read_replica => INT32
records => COMPACT_RECORDS

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.
responses	The response topics.
topic_id	The unique topic ID.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The error code, or 0 if there was no fetch error.
high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset such that the state of all transactional records prior to this offset have been decided (ABORTED or COMMITTED).
log_start_offset	The current log start offset.
aborted_transactions	The aborted transactions.
producer_id	The producer id associated with the aborted transaction.
first_offset	The first offset in the aborted transaction.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields

TAG	TAGGED FIELD	DESCRIPTION								
0	diverging_epoch	<p>In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.</p> <table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>epoch</td><td>The largest epoch.</td></tr><tr><td>end_offset</td><td>The end offset of the epoch.</td></tr><tr><td>_tagged_fields</td><td>The tagged fields</td></tr></tbody></table>	FIELD	DESCRIPTION	epoch	The largest epoch.	end_offset	The end offset of the epoch.	_tagged_fields	The tagged fields
FIELD	DESCRIPTION									
epoch	The largest epoch.									
end_offset	The end offset of the epoch.									
_tagged_fields	The tagged fields									
1	current_leader	<p>The current leader of the partition.</p> <table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead></table>	FIELD	DESCRIPTION						
FIELD	DESCRIPTION									

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD								
					is unknown.									
				leader_epoch	The latest known leader epoch.									
				_tagged_fields	The tagged fields									
			In the case of fetching an offset less than the LogStartOffset, this is the end offset and epoch that should be used in the FetchSnapshot request.											
2		snapshot_id		<table border="1"><thead><tr><th>FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>end_offset</td><td>The end offset of the epoch.</td></tr><tr><td>epoch</td><td>The largest epoch.</td></tr><tr><td>_tagged_fields</td><td>The tagged fields</td></tr></tbody></table>	FIELD	DESCRIPTION	end_offset	The end offset of the epoch.	epoch	The largest epoch.	_tagged_fields	The tagged fields		
FIELD	DESCRIPTION													
end_offset	The end offset of the epoch.													
epoch	The largest epoch.													
_tagged_fields	The tagged fields													
_tagged_fields	The tagged fields													

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Endpoints for all current-leaders enumerated in PartitionData, with errors NOT_LEADER_OR_FOLLOWER & FENCED_LEADER_EPOCH.

FIELD	DESCRIPTION
node_id	The ID of the associated node.
host	The node's hostname.
port	The node's port.
rack	The rack of the node, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields

_tagged_fields

0

node_endpoints

Fetch Response (Version: 18) => throttle_time_ms error_code session_id [res
throttle_time_ms => INT32

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
partitions => partition_index error_code high_watermark last_stable_offset
partition_index => INT32
error_code => INT16
high_watermark => INT64
last_stable_offset => INT64
log_start_offset => INT64
aborted_transactions => producer_id first_offset _tagged_fields
producer_id => INT64
first_offset => INT64
preferred_read_replica => INT32
records => COMPACT_RECORDS
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top level response error code.
session_id	The fetch session ID, or 0 if this is not part of a fetch session.
responses	The response topics.
topic_id	The unique topic ID.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The error code, or 0 if there was no fetch error.
high_watermark	The current high water mark.
last_stable_offset	The last stable offset (or LSO) of the partition. This is the last offset

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

aborted_transactions	The aborted transactions.															
producer_id	The producer id associated with the aborted transaction.															
first_offset	The first offset in the aborted transaction.															
_tagged_fields	The tagged fields															
preferred_read_replica	The preferred read replica for the consumer to use on its next fetch request.															
records	The record data.															
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>diverging_epoch</td><td>In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.</td></tr><tr><th>FIELD</th><th>DESCRIPTION</th><td></td></tr><tr><td>epoch</td><td>The largest epoch.</td></tr><tr><td>end_offset</td><td>The end offset of the epoch.</td></tr></tbody></table>			TAG	TAGGED FIELD	DESCRIPTION	0	diverging_epoch	In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.	FIELD	DESCRIPTION		epoch	The largest epoch.	end_offset	The end offset of the epoch.
TAG	TAGGED FIELD	DESCRIPTION														
0	diverging_epoch	In case divergence is detected based on the `LastFetchedEpoch` and `FetchOffset` in the request, this field indicates the largest epoch and its end offset such that subsequent records are known to diverge.														
FIELD	DESCRIPTION															
epoch	The largest epoch.															
end_offset	The end offset of the epoch.															

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

The current leader of the partition.

FIELD	DESCRIPTION
leader_id	The ID of the current leader or -1 if the leader is unknown.
leader_epoch	The latest known leader epoch.
_tagged_fields	The tagged fields

1

current_leader

2

snapshot_id

In the case of fetching an offset less than the LogStartOffset, this is the end offset and epoch that should be used in the FetchSnapshot request.

FIELD	DESCRIPTION
end_offset	The end offset of the epoch.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

ds

fields

[_tagged_fields](#)

The tagged fields

[_tagged_fields](#)

TAG	TAGGED FIELD	DESCRIPTION	
0	node_endpoints	Endpoints for all current-leaders enumerated in PartitionData, with errors NOT_LEADER_OR_FOLLOWER & FENCED_LEADER_EPOCH.	
FIELD	DESCRIPTION		
node_id	The ID of the associated node.		
host	The node's hostname.		
port	The node's port.		
rack	The rack of the node, or null if it has not been assigned to		



ListOffsets API (Key: 2):

Requests:

```
ListOffsets Request (Version: 1) => replica_id [topics]
replica_id => INT32
topics => name [partitions]
name => STRING
partitions => partition_index timestamp
partition_index => INT32
timestamp => INT64
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the requester, or -1 if this request is being made by a normal consumer.
topics	Each topic in the request.
name	The topic name.
partitions	Each partition in the request.
partition_index	The partition index.
timestamp	The current timestamp.

```
ListOffsets Request (Version: 2) => replica_id isolation_level [topics]
replica_id => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_index => INT32
timestamp => INT64

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the requester, or -1 if this request is being made by a normal consumer.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
topics	Each topic in the request.
name	The topic name.
partitions	Each partition in the request.
partition_index	The partition index.
timestamp	The current timestamp.

ListOffsets Request (Version: 3) => replica_id isolation_level [topics]

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
partitions => partition_index timestamp
partition_index => INT32
timestamp => INT64
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the requester, or -1 if this request is being made by a normal consumer.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
topics	Each topic in the request.
name	The topic name.
partitions	Each partition in the request.
partition_index	The partition index.
timestamp	The current timestamp.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
topics => name [partitions]
  name => STRING
  partitions => partition_index current_leader_epoch timestamp
    partition_index => INT32
    current_leader_epoch => INT32
    timestamp => INT64
```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the requester, or -1 if this request is being made by a normal consumer.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
topics	Each topic in the request.
name	The topic name.
partitions	Each partition in the request.
partition_index	The partition index.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

ListOffsets Request (Version: 5) => replica_id isolation_level [topics]

replica_id => INT32

isolation_level => INT8

topics => name [partitions]

name => STRING

partitions => partition_index current_leader_epoch timestamp

partition_index => INT32

current_leader_epoch => INT32

timestamp => INT64

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the requester, or -1 if this request is being made by a normal consumer.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
topics	Each topic in the request.
name	The topic name.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

timestamp

The current timestamp.

```
ListOffsets Request (Version: 6) => replica_id isolation_level [topics] _ta
replica_id => INT32
isolation_level => INT8
topics => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => partition_index current_leader_epoch timestamp _tagged_fi
partition_index => INT32
current_leader_epoch => INT32
timestamp => INT64
```

Request header version: 2

FIELD	DESCRIPTION
replica_id	The broker ID of the requester, or -1 if this request is being made by a normal consumer.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

partition_index	The partition index.
current_leader_epoch	The current leader epoch.
timestamp	The current timestamp.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ListOffsets Request (Version: 7) => replica_id isolation_level [topics] _ta
replica_id => INT32
isolation_level => INT8
topics => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => partition_index current_leader_epoch timestamp _tagged_fi
partition_index => INT32
current_leader_epoch => INT32
timestamp => INT64
```

Request header version: 2

FIELD	DESCRIPTION
replica_id	The broker ID of the requester, or -1 if this request is being made by a normal consumer.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	transactions in the result, which allows consumers to discard ABORTED transactional records.
topics	Each topic in the request.
name	The topic name.
partitions	Each partition in the request.
partition_index	The partition index.
current_leader_epoch	The current leader epoch.
timestamp	The current timestamp.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ListOffsets Request (Version: 8) => replica_id isolation_level [topics] _ta
replica_id => INT32
isolation_level => INT8
topics => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => partition_index current_leader_epoch timestamp _tagged_fi
partition_index => INT32
current_leader_epoch => INT32
timestamp => INT64
```

Request header version: 2

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

isolation_level

records. Using READ_UNCOMMITTED (`isolation_level = 0`) makes all records visible. With READ_COMMITTED (`isolation_level = 1`), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.

topics	Each topic in the request.
name	The topic name.
partitions	Each partition in the request.
partition_index	The partition index.
current_leader_epoch	The current leader epoch.
timestamp	The current timestamp.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ListOffsets Request (Version: 9) => replica_id isolation_level [topics] _ta
replica_id => INT32
isolation_level => INT8
topics => name [partitions] _tagged_fields
    name => COMPACT_STRING
    partitions => partition_index current_leader_epoch timestamp _tagged_fi
        partition_index => INT32
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 2

FIELD	DESCRIPTION
replica_id	The broker ID of the requester, or -1 if this request is being made by a normal consumer.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
topics	Each topic in the request.
name	The topic name.
partitions	Each partition in the request.
partition_index	The partition index.
current_leader_epoch	The current leader epoch.
timestamp	The current timestamp.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
topics => name [partitions] _tagged_fields
  name => COMPACT_STRING
  partitions => partition_index current_leader_epoch timestamp _tagged_fields
    partition_index => INT32
    current_leader_epoch => INT32
    timestamp => INT64
  timeout_ms => INT32
```

Request header version: 2

FIELD	DESCRIPTION
replica_id	The broker ID of the requester, or -1 if this request is being made by a normal consumer.
isolation_level	This setting controls the visibility of transactional records. Using READ_UNCOMMITTED (isolation_level = 0) makes all records visible. With READ_COMMITTED (isolation_level = 1), non-transactional and COMMITTED transactional records are visible. To be more concrete, READ_COMMITTED returns all data from offsets smaller than the current LSO (last stable offset), and enables the inclusion of the list of aborted transactions in the result, which allows consumers to discard ABORTED transactional records.
topics	Each topic in the request.
name	The topic name.
partitions	Each partition in the request.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
timeout_ms	The timeout to await a response in milliseconds for requests that require reading from remote storage for topics enabled with tiered storage.
_tagged_fields	The tagged fields

Responses:

```
ListOffsets Response (Version: 1) => [topics]
  topics => name [partitions]
    name => STRING
    partitions => partition_index error_code timestamp offset
      partition_index => INT32
      error_code => INT16
      timestamp => INT64
      offset => INT64
```

Response header version: 0

FIELD	DESCRIPTION
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

ListOffsets Response (Version: 2) => throttle_time_ms [topics]

throttle_time_ms => INT32

topics => name [partitions]

name => STRING

partitions => partition_index error_code timestamp offset

partition_index => INT32

error_code => INT16

timestamp => INT64

offset => INT64

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
timestamp	The timestamp associated with the returned offset.
offset	The returned offset.

ListOffsets Response (Version: 3) => throttle_time_ms [topics]

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
partition_index => INT32
error_code => INT16
timestamp => INT64
offset => INT64
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
timestamp	The timestamp associated with the returned offset.
offset	The returned offset.

```
ListOffsets Response (Version: 4) => throttle_time_ms [topics]
    throttle_time_ms => INT32
    topics => name [partitions]
        name => STRING
        partitions => partition_index error_code timestamp offset leader_epoch
            partition_index => INT32
            error_code => INT16
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)**Response header version: 0**

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
timestamp	The timestamp associated with the returned offset.
offset	The returned offset.
leader_epoch	The leader epoch associated with the returned offset.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
name => STRING
partitions => partition_index error_code timestamp offset leader_epoch
partition_index => INT32
error_code => INT16
timestamp => INT64
offset => INT64
leader_epoch => INT32
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
timestamp	The timestamp associated with the returned offset.
offset	The returned offset.
leader_epoch	The leader epoch associated with the returned offset.

ListOffsets Response (Version: 6) => throttle_time_ms [topics] _tagged_field

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_index => INT32
error_code => INT16
timestamp => INT64
offset => INT64
leader_epoch => INT32

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
timestamp	The timestamp associated with the returned offset.
offset	The returned offset.
leader_epoch	The leader epoch associated with the returned offset.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
name => COMPACT_STRING
partitions => partition_index error_code timestamp offset leader_epoch
partition_index => INT32
error_code => INT16
timestamp => INT64
offset => INT64
leader_epoch => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
timestamp	The timestamp associated with the returned offset.
offset	The returned offset.
leader_epoch	The leader epoch associated with the returned offset.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
throttle_time_ms => INT32
topics => name [partitions] _tagged_fields
    name => COMPACT_STRING
    partitions => partition_index error_code timestamp offset leader_epoch
        partition_index => INT32
        error_code => INT16
        timestamp => INT64
        offset => INT64
        leader_epoch => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
timestamp	The timestamp associated with the returned offset.
offset	The returned offset.
leader_epoch	The leader epoch associated with the returned offset.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
ListOffsets Response (Version: 9) => throttle_time_ms [topics] _tagged_fields
throttle_time_ms => INT32
topics => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => partition_index error_code timestamp offset leader_epoch
partition_index => INT32
error_code => INT16
timestamp => INT64
offset => INT64
leader_epoch => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
timestamp	The timestamp associated with the returned offset.
offset	The returned offset.
leader_epoch	The leader epoch associated with the returned offset.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
ListOffsets Response (Version: 10) => throttle_time_ms [topics] _tagged_file  
throttle_time_ms => INT32  
topics => name [partitions] _tagged_fields  
name => COMPACT_STRING  
partitions => partition_index error_code timestamp offset leader_epoch  
partition_index => INT32  
error_code => INT16  
timestamp => INT64  
offset => INT64  
leader_epoch => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
timestamp	The timestamp associated with the returned offset.
offset	The returned offset.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)[_tagged_fields](#)

The tagged fields

[_tagged_fields](#)

The tagged fields

Metadata API (Key: 3):

Requests:

Metadata Request (Version: 0) => [topics]

topics => name

name => STRING

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
name	The topic name.

Metadata Request (Version: 1) => [topics]

topics => name

name => STRING

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
name	The topic name.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
name	The topic name.

Metadata Request (Version: 3) => [topics]

topics => name

name => STRING

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
name	The topic name.

Metadata Request (Version: 4) => [topics] allow_auto_topic_creation

topics => name

name => STRING

allow_auto_topic_creation => BOOLEAN

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

is configured to do so.

Metadata Request (Version: 5) => [topics] allow_auto_topic_creation
topics => name
name => STRING
allow_auto_topic_creation => BOOLEAN

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
name	The topic name.
allow_auto_topic_creation	If this is true, the broker may auto-create topics that we requested which do not already exist, if it is configured to do so.

Metadata Request (Version: 6) => [topics] allow_auto_topic_creation
topics => name
name => STRING
allow_auto_topic_creation => BOOLEAN

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
name	The topic name.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
Metadata Request (Version: 7) => [topics] allow_auto_topic_creation
topics => name
name => STRING
allow_auto_topic_creation => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
name	The topic name.
allow_auto_topic_creation	If this is true, the broker may auto-create topics that we requested which do not already exist, if it is configured to do so.

```
Metadata Request (Version: 8) => [topics] allow_auto_topic_creation include
topics => name
name => STRING
allow_auto_topic_creation => BOOLEAN
include_cluster_authorized_operations => BOOLEAN
include_topic_authorized_operations => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
name	The topic name.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

include_cluster_authorized_operations

Whether to include cluster authorized operations.

include_topic_authorized_operations

Whether to include topic authorized operations.

```
Metadata Request (Version: 9) => [topics] allow_auto_topic_creation include
topics => name _tagged_fields
name => COMPACT_STRING
allow_auto_topic_creation => BOOLEAN
include_cluster_authorized_operations => BOOLEAN
include_topic_authorized_operations => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
name	The topic name.
_tagged_fields	The tagged fields
allow_auto_topic_creation	If this is true, the broker may auto-create topics that we requested which do not already exist, if it is configured to do so.
include_cluster_authorized_operations	Whether to include cluster authorized operations.
include_topic_authorized_operations	Whether to include topic authorized operations.
_tagged_fields	The tagged fields

```
Metadata Request (Version: 10) => [topics] allow_auto_topic_creation includ
topics => topic_id name _tagged_fields
topic_id => UUID
name => COMPACT_NULLABLE_STRING
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
topic_id	The topic id.
name	The topic name.
_tagged_fields	The tagged fields
allow_auto_topic_creation	If this is true, the broker may auto-create topics that we requested which do not already exist, if it is configured to do so.
include_cluster_authorized_operations	Whether to include cluster authorized operations.
include_topic_authorized_operations	Whether to include topic authorized operations.
_tagged_fields	The tagged fields

```
Metadata Request (Version: 11) => [topics] allow_auto_topic_creation includ
topics => topic_id name _tagged_fields
topic_id => UUID
name => COMPACT_NULLABLE_STRING
allow_auto_topic_creation => BOOLEAN
include_topic_authorized_operations => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

allow_auto_topic_creation	If this is true, the broker may auto-create topics that we requested which do not already exist, if it is configured to do so.
include_topicAuthorizedOperations	Whether to include topic authorized operations.
_tagged_fields	The tagged fields

```
Metadata Request (Version: 12) => [topics] allow_auto_topic_creation includ
topics => topic_id name _tagged_fields
topic_id => UUID
name => COMPACT_NULLABLE_STRING
allow_auto_topic_creation => BOOLEAN
include_topicAuthorizedOperations => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
topic_id	The topic id.
name	The topic name.
_tagged_fields	The tagged fields
allow_auto_topic_creation	If this is true, the broker may auto-create topics that we requested which do not already exist, if it is configured to do so.
include_topicAuthorizedOperations	Whether to include topic authorized operations.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
name => COMPACT_NULLABLE_STRING  
allow_auto_topic_creation => BOOLEAN  
include_topic_authorized_operations => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to fetch metadata for.
topic_id	The topic id.
name	The topic name.
_tagged_fields	The tagged fields
allow_auto_topic_creation	If this is true, the broker may auto-create topics that we requested which do not already exist, if it is configured to do so.
include_topic_authorized_operations	Whether to include topic authorized operations.
_tagged_fields	The tagged fields

Responses:

Metadata Response (Version: 0) => [brokers] [topics]

brokers => node_id host port

node_id => INT32

host => STRING

port => INT32

topics => error_code name [partitions]

error_code => INT16

name => STRING

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
replica_nodes => INT32
isr_nodes => INT32
```

Response header version: 0

FIELD	DESCRIPTION
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.

Metadata Response (Version: 1) => [brokers] controller_id [topics]

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
rack => NULLABLE_STRING
controller_id => INT32
topics => error_code name is_internal [partitions]
    error_code => INT16
    name => STRING
    is_internal => BOOLEAN
partitions => error_code partition_index leader_id [replica_nodes] [isr]
    error_code => INT16
    partition_index => INT32
    leader_id => INT32
    replica_nodes => INT32
    isr_nodes => INT32
```

Response header version: 0

FIELD	DESCRIPTION
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.

```
Metadata Response (Version: 2) => [brokers] cluster_id controller_id [topic
brokers => node_id host port rack
    node_id => INT32
    host => STRING
    port => INT32
    rack => NULLABLE_STRING
cluster_id => NULLABLE_STRING
controller_id => INT32
topics => error_code name is_internal [partitions]
    error_code => INT16
    name => STRING
    is_internal => BOOLEAN
partitions => error_code partition_index leader_id [replica_nodes] [isr
    error_code => INT16
    partition_index => INT32
    leader_id => INT32
    replica_nodes => INT32
    isr_nodes => INT32
```

Response header version: 0

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

node_id	THE BROKER ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.

```
Metadata Response (Version: 3) => throttle_time_ms [brokers] cluster_id
throttle_time_ms => INT32
brokers => node_id host port rack
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
cluster_id => NULLABLE_STRING
controller_id => INT32
topics => error_code name is_internal [partitions]
    error_code => INT16
    name => STRING
    is_internal => BOOLEAN
partitions => error_code partition_index leader_id [replica_nodes] [isr]
    error_code => INT16
    partition_index => INT32
    leader_id => INT32
    replica_nodes => INT32
    isr_nodes => INT32
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

name	queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.

```
Metadata Response (Version: 4) => throttle_time_ms [brokers] cluster_id con
throttle_time_ms => INT32
brokers => node_id host port rack
    node_id => INT32
    host => STRING
    port => INT32
    rack => NULLABLE_STRING
cluster_id => NULLABLE_STRING
controller_id => INT32
topics => error_code name is_internal [partitions]
    error_code => INT16
    name => STRING
    is_internal => BOOLEAN
partitions => error_code partition_index leader_id [replica_nodes] [isr
    error_code => INT16
    partition_index => INT32
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)**Response header version: 0**

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

isr_nodes

for this partition.

```
Metadata Response (Version: 5) => throttle_time_ms [brokers] cluster_id con
    throttle_time_ms => INT32
    brokers => node_id host port rack
        node_id => INT32
        host => STRING
        port => INT32
        rack => NULLABLE_STRING
    cluster_id => NULLABLE_STRING
    controller_id => INT32
    topics => error_code name is_internal [partitions]
        error_code => INT16
        name => STRING
        is_internal => BOOLEAN
    partitions => error_code partition_index leader_id [replica_nodes] [isr
        error_code => INT16
        partition_index => INT32
        leader_id => INT32
        replica_nodes => INT32
        isr_nodes => INT32
        offline_replicas => INT32
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.
offline_replicas	The set of offline replicas of this partition.

```
Metadata Response (Version: 6) => throttle_time_ms [brokers] cluster_id con
throttle_time_ms => INT32
brokers => node_id host port rack
node_id => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
controller_id => INT32
topics => error_code name is_internal [partitions]
error_code => INT16
name => STRING
is_internal => BOOLEAN
partitions => error_code partition_index leader_id [replica_nodes] [isr]
error_code => INT16
partition_index => INT32
leader_id => INT32
replica_nodes => INT32
isr_nodes => INT32
offline_replicas => INT32
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

name	queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.
offline_replicas	The set of offline replicas of this partition.

```
Metadata Response (Version: 7) => throttle_time_ms [brokers] cluster_id con
throttle_time_ms => INT32
brokers => node_id host port rack
    node_id => INT32
    host => STRING
    port => INT32
    rack => NULLABLE_STRING
cluster_id => NULLABLE_STRING
controller_id => INT32
topics => error_code name is_internal [partitions]
    error_code => INT16
    name => STRING
    is_internal => BOOLEAN
partitions => error_code partition_index leader_id leader_epoch [replic
    error_code => INT16
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
isr_nodes => INT32  
offline_replicas => INT32
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

leader_epoch	The leader epoch of this partition.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.
offline_replicas	The set of offline replicas of this partition.

```
Metadata Response (Version: 8) => throttle_time_ms [brokers] cluster_id con
throttle_time_ms => INT32
brokers => node_id host port rack
node_id => INT32
host => STRING
port => INT32
rack => NULLABLE_STRING
cluster_id => NULLABLE_STRING
controller_id => INT32
topics => error_code name is_internal [partitions] topic_authorized_operations
error_code => INT16
name => STRING
is_internal => BOOLEAN
partitions => error_code partition_index leader_id leader_epoch [replicas]
error_code => INT16
partition_index => INT32
leader_id => INT32
leader_epoch => INT32
replica_nodes => INT32
isr_nodes => INT32
offline_replicas => INT32
topic_authorized_operations => INT32
cluster_authorized_operations => INT32
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
leader_epoch	The leader epoch of this partition.
replica_nodes	The set of all nodes that host this partition.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topic_authorized_operations

32-bit bitfield to represent authorized operations for this topic.

cluster_authorized_operations

32-bit bitfield to represent authorized operations for this cluster.

```
Metadata Response (Version: 9) => throttle_time_ms [brokers] cluster_id con
throttle_time_ms => INT32
brokers => node_id host port rack _tagged_fields
node_id => INT32
host => COMPACT_STRING
port => INT32
rack => COMPACT_NULLABLE_STRING
cluster_id => COMPACT_NULLABLE_STRING
controller_id => INT32
topics => error_code name is_internal [partitions] topic_authorized_operations
error_code => INT16
name => COMPACT_STRING
is_internal => BOOLEAN
partitions => error_code partition_index leader_id leader_epoch [replicas]
error_code => INT16
partition_index => INT32
leader_id => INT32
leader_epoch => INT32
replica_nodes => INT32
isr_nodes => INT32
offline_replicas => INT32
topic_authorized_operations => INT32
cluster_authorized_operations => INT32
```

Response header version: 1

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
leader_epoch	The leader epoch of this partition.
replica_nodes	The set of all nodes that host this partition.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields
topic_authorized_operations	32-bit bitfield to represent authorized operations for this topic.
_tagged_fields	The tagged fields
cluster_authorized_operations	32-bit bitfield to represent authorized operations for this cluster.
_tagged_fields	The tagged fields

```
Metadata Response (Version: 10) => throttle_time_ms [brokers] cluster_id co
throttle_time_ms => INT32
brokers => node_id host port rack _tagged_fields
node_id => INT32
host => COMPACT_STRING
port => INT32
rack => COMPACT_NULLABLE_STRING
cluster_id => COMPACT_NULLABLE_STRING
controller_id => INT32
topics => error_code name topic_id is_internal [partitions] topic_authori
error_code => INT16
name => COMPACT_STRING
topic_id => UUID
is_internal => BOOLEAN
partitions => error_code partition_index leader_id leader_epoch [replic
error_code => INT16
partition_index => INT32
leader_id => INT32
leader_epoch => INT32
replica_nodes => INT32
isr_nodes => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)**Response header version: 1**

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
topic_id	The topic id. Zero for non-existing topics queried by name. This is never zero when ErrorCode is zero. One of Name and TopicId is always populated.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_index	The partition index.
leader_id	The ID of the leader broker.
leader_epoch	The leader epoch of this partition.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.
offline_replicas	The set of offline replicas of this partition.
_tagged_fields	The tagged fields
topic_authorized_operations	32-bit bitfield to represent authorized operations for this topic.
_tagged_fields	The tagged fields
cluster_authorized_operations	32-bit bitfield to represent authorized operations for this cluster.
_tagged_fields	The tagged fields

```
Metadata Response (Version: 11) => throttle_time_ms [brokers] cluster_id co
throttle_time_ms => INT32
brokers => node_id host port rack _tagged_fields
    node_id => INT32
    host => COMPACT_STRING
    port => INT32
    rack => COMPACT_NULLABLE_STRING
cluster_id => COMPACT_NULLABLE_STRING
controller_id => INT32
topics => error_code name topic_id is_internal [partitions] topic_authori
error_code => INT16
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_code => INT16
partition_index => INT32
leader_id => INT32
leader_epoch => INT32
replica_nodes => INT32
isr_nodes => INT32
offline_replicas => INT32
topic_authorized_operations => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

topic_id	The topic id. Zero for non-existing topics queried by name. This is never zero when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
leader_epoch	The leader epoch of this partition.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.
offline_replicas	The set of offline replicas of this partition.
_tagged_fields	The tagged fields
topicAuthorizedOperations	32-bit bitfield to represent authorized operations for this topic.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
Metadata Response (Version: 12) => throttle_time_ms [brokers] cluster_id co
    throttle_time_ms => INT32
    brokers => node_id host port rack _tagged_fields
        node_id => INT32
        host => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
topics => error_code name topic_id is_internal [partitions] topic_authorization  
error_code => INT16  
name => COMPACT_NULLABLE_STRING  
topic_id => UUID  
is_internal => BOOLEAN  
partitions => error_code partition_index leader_id leader_epoch [replicas]  
error_code => INT16  
partition_index => INT32  
leader_id => INT32  
leader_epoch => INT32  
replica_nodes => INT32  
isr_nodes => INT32  
offline_replicas => INT32  
topicAuthorizedOperations => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
brokers	A list of brokers present in the cluster.
node_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
topic_id	The topic id. Zero for non-existing topics queried by name. This is never zero when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
leader_epoch	The leader epoch of this partition.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.
offline_replicas	The set of offline replicas of this partition.
_tagged_fields	The tagged fields
topic_authorized_operations	32-bit bitfield to represent authorized operations for this topic.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
throttle_time_ms => INT32
brokers => node_id host port rack _tagged_fields
    node_id => INT32
    host => COMPACT_STRING
    port => INT32
    rack => COMPACT_NULLABLE_STRING
cluster_id => COMPACT_NULLABLE_STRING
controller_id => INT32
topics => error_code name topic_id is_internal [partitions] topic_authori
    error_code => INT16
    name => COMPACT_NULLABLE_STRING
    topic_id => UUID
    is_internal => BOOLEAN
    partitions => error_code partition_index leader_id leader_epoch [replic
        error_code => INT16
        partition_index => INT32
        leader_id => INT32
        leader_epoch => INT32
        replica_nodes => INT32
        isr_nodes => INT32
        offline_replicas => INT32
    topic_authorized_operations => INT32
    error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name. Null for non-existing topics queried by ID. This is never null when ErrorCode is zero. One of Name and TopicId is always populated.
topic_id	The topic id. Zero for non-existing topics queried by name. This is never zero when ErrorCode is zero. One of Name and TopicId is always populated.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.
partition_index	The partition index.
leader_id	The ID of the leader broker.
leader_epoch	The leader epoch of this partition.
replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

topic_authorized_operations	32-bit bitfield to represent authorized operations for this topic.
_tagged_fields	The tagged fields
error_code	The top-level error code, or 0 if there was no error.
_tagged_fields	The tagged fields

OffsetCommit API (Key: 8):**Requests:**

```
OffsetCommit Request (Version: 2) => group_id generation_id_or_member_epoch
group_id => STRING
generation_id_or_member_epoch => INT32
member_id => STRING
retention_time_ms => INT64
topics => name [partitions]
name => STRING
partitions => partition_index committed_offset committed_metadata
partition_index => INT32
committed_offset => INT64
committed_metadata => NULLABLE_STRING
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id_or_member_epoch	The generation of the group if using the classic group protocol or the member epoch if using the

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

retention_time_ms	The time period in ms to retain the offset.
topics	The topics to commit offsets for.
name	The topic name.
partitions	Each partition to commit offsets for.
partition_index	The partition index.
committed_offset	The message offset to be committed.
committed_metadata	Any associated metadata the client wants to keep.

```

OffsetCommit Request (Version: 3) => group_id generation_id_or_member_epoch
group_id => STRING
generation_id_or_member_epoch => INT32
member_id => STRING
retention_time_ms => INT64
topics => name [partitions]
name => STRING
partitions => partition_index committed_offset committed_metadata
partition_index => INT32
committed_offset => INT64
committed_metadata => NULLABLE_STRING

```

Request header version: 1

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id_or_member_epoch	The generation of the group if using the classic group protocol or the member epoch if using the

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

retention_time_ms	The time period in ms to retain the offset.
topics	The topics to commit offsets for.
name	The topic name.
partitions	Each partition to commit offsets for.
partition_index	The partition index.
committed_offset	The message offset to be committed.
committed_metadata	Any associated metadata the client wants to keep.

```
OffsetCommit Request (Version: 4) => group_id generation_id_or_member_epoch
group_id => STRING
generation_id_or_member_epoch => INT32
member_id => STRING
retention_time_ms => INT64
topics => name [partitions]
name => STRING
partitions => partition_index committed_offset committed_metadata
partition_index => INT32
committed_offset => INT64
committed_metadata => NULLABLE_STRING
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id_or_member_epoch	The generation of the group if using the classic group protocol or the member epoch if using the

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

retention_time_ms	The time period in ms to retain the offset.
topics	The topics to commit offsets for.
name	The topic name.
partitions	Each partition to commit offsets for.
partition_index	The partition index.
committed_offset	The message offset to be committed.
committed_metadata	Any associated metadata the client wants to keep.

```

OffsetCommit Request (Version: 5) => group_id generation_id_or_member_epoch
group_id => STRING
generation_id_or_member_epoch => INT32
member_id => STRING
topics => name [partitions]
name => STRING
partitions => partition_index committed_offset committed_metadata
partition_index => INT32
committed_offset => INT64
committed_metadata => NULLABLE_STRING

```

Request header version: 1

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id_or_member_epoch	The generation of the group if using the classic group protocol or the member epoch if using the consumer protocol.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>name</code>	The topic name.
<code>partitions</code>	Each partition to commit offsets for.
<code>partition_index</code>	The partition index.
<code>committed_offset</code>	The message offset to be committed.
<code>committed_metadata</code>	Any associated metadata the client wants to keep.

```
OffsetCommit Request (Version: 6) => group_id generation_id_or_member_epoch
    group_id => STRING
    generation_id_or_member_epoch => INT32
    member_id => STRING
    topics => name [partitions]
        name => STRING
        partitions => partition_index committed_offset committed_leader_epoch c
            partition_index => INT32
            committed_offset => INT64
            committed_leader_epoch => INT32
            committed_metadata => NULLABLE_STRING
```

Request header version: 1

FIELD	DESCRIPTION
<code>group_id</code>	The unique group identifier.
<code>generation_id_or_member_epoch</code>	The generation of the group if using the classic group protocol or the member epoch if using the consumer protocol.
<code>member_id</code>	The member ID assigned by the group

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partitions	Each partition to commit offsets for.
partition_index	The partition index.
committed_offset	The message offset to be committed.
committed_leader_epoch	The leader epoch of this partition.
committed_metadata	Any associated metadata the client wants to keep.

```
OffsetCommit Request (Version: 7) => group_id generation_id_or_member_epoch
    group_id => STRING
    generation_id_or_member_epoch => INT32
    member_id => STRING
    group_instance_id => NULLABLE_STRING
    topics => name [partitions]
        name => STRING
        partitions => partition_index committed_offset committed_leader_epoch c
            partition_index => INT32
            committed_offset => INT64
            committed_leader_epoch => INT32
            committed_metadata => NULLABLE_STRING
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id_or_member_epoch	The generation of the group if using the classic group protocol or the member epoch if using the consumer protocol.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	provided by end user.
topics	The topics to commit offsets for.
name	The topic name.
partitions	Each partition to commit offsets for.
partition_index	The partition index.
committed_offset	The message offset to be committed.
committed_leader_epoch	The leader epoch of this partition.
committed_metadata	Any associated metadata the client wants to keep.

```
OffsetCommit Request (Version: 8) => group_id generation_id_or_member_epoch
group_id => COMPACT_STRING
generation_id_or_member_epoch => INT32
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
topics => name [partitions] _tagged_fields
    name => COMPACT_STRING
    partitions => partition_index committed_offset committed_leader_epoch c
        partition_index => INT32
        committed_offset => INT64
        committed_leader_epoch => INT32
        committed_metadata => COMPACT_NULLABLE_STRING
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The unique group identifier.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

member_id	The member ID assigned by the group coordinator.
group_instance_id	The unique identifier of the consumer instance provided by end user.
topics	The topics to commit offsets for.
name	The topic name.
partitions	Each partition to commit offsets for.
partition_index	The partition index.
committed_offset	The message offset to be committed.
committed_leader_epoch	The leader epoch of this partition.
committed_metadata	Any associated metadata the client wants to keep.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```

OffsetCommit Request (Version: 9) => group_id generation_id_or_member_epoch
group_id => COMPACT_STRING
generation_id_or_member_epoch => INT32
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
topics => name [partitions] _tagged_fields
    name => COMPACT_STRING
    partitions => partition_index committed_offset committed_leader_epoch c
        partition_index => INT32
        committed_offset => INT64
        committed_leader_epoch => INT32

```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id_or_member_epoch	The generation of the group if using the classic group protocol or the member epoch if using the consumer protocol.
member_id	The member ID assigned by the group coordinator.
group_instance_id	The unique identifier of the consumer instance provided by end user.
topics	The topics to commit offsets for.
name	The topic name.
partitions	Each partition to commit offsets for.
partition_index	The partition index.
committed_offset	The message offset to be committed.
committed_leader_epoch	The leader epoch of this partition.
committed_metadata	Any associated metadata the client wants to keep.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
OffsetCommit Request (Version: 10) => group_id generation_id_or_member_epoch
group_id => COMPACT_STRING
generation_id_or_member_epoch => INT32
member_id => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
partition_index => INT32
committed_offset => INT64
committed_leader_epoch => INT32
committed_metadata => COMPACT_NULLABLE_STRING
```

This version of the request is unstable.

Request header version: 2

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id_or_member_epoch	The generation of the group if using the classic group protocol or the member epoch if using the consumer protocol.
member_id	The member ID assigned by the group coordinator.
group_instance_id	The unique identifier of the consumer instance provided by end user.
topics	The topics to commit offsets for.
topic_id	The topic ID.
partitions	Each partition to commit offsets for.
partition_index	The partition index.
committed_offset	The message offset to be committed.
committed_leader_epoch	The leader epoch of this partition.
committed_metadata	Any associated metadata the client wants to keep.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Responses:

OffsetCommit Response (Version: 2) => [topics]

```
topics => name [partitions]
  name => STRING
  partitions => partition_index error_code
    partition_index => INT32
    error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

OffsetCommit Response (Version: 3) => throttle_time_ms [topics]

```
throttle_time_ms => INT32
topics => name [partitions]
  name => STRING
  partitions => partition_index error_code
    partition_index => INT32
    error_code => INT16
```

Response header version: 0

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

```
OffsetCommit Response (Version: 4) => throttle_time_ms [topics]
    throttle_time_ms => INT32
    topics => name [partitions]
        name => STRING
        partitions => partition_index error_code
            partition_index => INT32
            error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
name => STRING
partitions => partition_index error_code
partition_index => INT32
error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

```
OffsetCommit Response (Version: 6) => throttle_time_ms [topics]
throttle_time_ms => INT32
topics => name [partitions]
name => STRING
partitions => partition_index error_code
partition_index => INT32
error_code => INT16
```

Response header version: 0

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

```
OffsetCommit Response (Version: 7) => throttle_time_ms [topics]
    throttle_time_ms => INT32
    topics => name [partitions]
        name => STRING
        partitions => partition_index error_code
            partition_index => INT32
            error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
name => COMPACT_STRING
partitions => partition_index error_code _tagged_fields
partition_index => INT32
error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
OffsetCommit Response (Version: 9) => throttle_time_ms [topics] _tagged_file
throttle_time_ms => INT32
topics => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => partition_index error_code _tagged_fields
partition_index => INT32
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```

OffsetCommit Response (Version: 10) => throttle_time_ms [topics] _tagged_fields
    throttle_time_ms => INT32
    topics => topic_id [partitions] _tagged_fields
        topic_id => UUID
        partitions => partition_index error_code _tagged_fields
            partition_index => INT32
            error_code => INT16

```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topic_id	The topic ID.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

OffsetFetch API (Key: 9):

Requests:

```
OffsetFetch Request (Version: 1) => group_id [topics]
  group_id => STRING
  topics => name [partition_indexes]
    name => STRING
    partition_indexes => INT32
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The group to fetch offsets for.
topics	Each topic we would like to fetch offsets for, or null to fetch offsets for all topics.
name	The topic name.
partition_indexes	The partition indexes we would like to fetch

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
group_id --> STRING  
topics => name [partition_indexes]  
name => STRING  
partition_indexes => INT32
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The group to fetch offsets for.
topics	Each topic we would like to fetch offsets for, or null to fetch offsets for all topics.
name	The topic name.
partition_indexes	The partition indexes we would like to fetch offsets for.

```
OffsetFetch Request (Version: 3) => group_id [topics]
```

```
group_id => STRING  
topics => name [partition_indexes]  
name => STRING  
partition_indexes => INT32
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The group to fetch offsets for.
topics	Each topic we would like to fetch offsets for, or null to fetch offsets for all topics.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

OffsetFetch Request (Version: 4) => group_id [topics]

group_id => STRING

topics => name [partition_indexes]

name => STRING

partition_indexes => INT32

Request header version: 1

FIELD	DESCRIPTION
group_id	The group to fetch offsets for.
topics	Each topic we would like to fetch offsets for, or null to fetch offsets for all topics.
name	The topic name.
partition_indexes	The partition indexes we would like to fetch offsets for.

OffsetFetch Request (Version: 5) => group_id [topics]

group_id => STRING

topics => name [partition_indexes]

name => STRING

partition_indexes => INT32

Request header version: 1

FIELD	DESCRIPTION
group_id	The group to fetch offsets for.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_indexes

The partition indexes we would like to fetch offsets for.

```
OffsetFetch Request (Version: 6) => group_id [topics] _tagged_fields
    group_id => COMPACT_STRING
    topics => name [partition_indexes] _tagged_fields
        name => COMPACT_STRING
        partition_indexes => INT32
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group to fetch offsets for.
topics	Each topic we would like to fetch offsets for, or null to fetch offsets for all topics.
name	The topic name.
partition_indexes	The partition indexes we would like to fetch offsets for.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
OffsetFetch Request (Version: 7) => group_id [topics] require_stable _tagge
    group_id => COMPACT_STRING
    topics => name [partition_indexes] _tagged_fields
        name => COMPACT_STRING
        partition_indexes => INT32
    require_stable => BOOLEAN
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

group_id	The group to fetch offsets for.
topics	Each topic we would like to fetch offsets for, or null to fetch offsets for all topics.
name	The topic name.
partition_indexes	The partition indexes we would like to fetch offsets for.
_tagged_fields	The tagged fields
require_stable	Whether broker should hold on returning unstable offsets but set a retriable error code for the partitions.
_tagged_fields	The tagged fields

```
OffsetFetch Request (Version: 8) => [groups] require_stable _tagged_fields
groups => group_id [topics] _tagged_fields
    group_id => COMPACT_STRING
    topics => name [partition_indexes] _tagged_fields
        name => COMPACT_STRING
        partition_indexes => INT32
    require_stable => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
groups	Each group we would like to fetch offsets for.
group_id	The group ID.
topics	Each topic we would like to fetch offsets for, or null to fetch offsets for all topics.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
require_stable	Whether broker should hold on returning unstable offsets but set a retriable error code for the partitions.
_tagged_fields	The tagged fields

```
OffsetFetch Request (Version: 9) => [groups] require_stable _tagged_fields
    groups => group_id member_id member_epoch [topics] _tagged_fields
        group_id => COMPACT_STRING
        member_id => COMPACT_NULLABLE_STRING
        member_epoch => INT32
        topics => name [partition_indexes] _tagged_fields
            name => COMPACT_STRING
            partition_indexes => INT32
    require_stable => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
groups	Each group we would like to fetch offsets for.
group_id	The group ID.
member_id	The member id.
member_epoch	The member epoch if using the new consumer protocol (KIP-848).
topics	Each topic we would like to fetch offsets for, or null to fetch offsets for all topics.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
require_stable	Whether broker should hold on returning unstable offsets but set a retriable error code for the partitions.
_tagged_fields	The tagged fields

```
OffsetFetch Request (Version: 10) => [groups] require_stable _tagged_fields
  groups => group_id member_id member_epoch [topics] _tagged_fields
    group_id => COMPACT_STRING
    member_id => COMPACT_NULLABLE_STRING
    member_epoch => INT32
    topics => topic_id [partition_indexes] _tagged_fields
      topic_id => UUID
      partition_indexes => INT32
  require_stable => BOOLEAN
```

This version of the request is unstable.

Request header version: 2

FIELD	DESCRIPTION
groups	Each group we would like to fetch offsets for.
group_id	The group ID.
member_id	The member id.
member_epoch	The member epoch if using the new consumer protocol (KIP-848).

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_indexes	The partition indexes we would like to fetch offsets for.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
require_stable	Whether broker should hold on returning unstable offsets but set a retriable error code for the partitions.
_tagged_fields	The tagged fields

Responses:

```
OffsetFetch Response (Version: 1) => [topics]
  topics => name [partitions]
    name => STRING
    partitions => partition_index committed_offset metadata error_code
      partition_index => INT32
      committed_offset => INT64
      metadata => NULLABLE_STRING
      error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
topics	The responses per topic.
name	The topic name.
partitions	The responses per partition.
partition_index	The partition index.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
OffsetFetch Response (Version: 2) => [topics] error_code
topics => name [partitions]
    name => STRING
    partitions => partition_index committed_offset metadata error_code
        partition_index => INT32
        committed_offset => INT64
        metadata => NULLABLE_STRING
        error_code => INT16
    error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
topics	The responses per topic.
name	The topic name.
partitions	The responses per partition.
partition_index	The partition index.
committed_offset	The committed message offset.
metadata	The partition metadata.
error_code	The error code, or 0 if there was no error.
error_code	The top-level error code, or 0 if there was no error.

```
OffsetFetch Response (Version: 3) => throttle_time_ms [topics] error_code
throttle_time_ms => INT32
topics => name [partitions]
    name => STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_code => INT16  
error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses per topic.
name	The topic name.
partitions	The responses per partition.
partition_index	The partition index.
committed_offset	The committed message offset.
metadata	The partition metadata.
error_code	The error code, or 0 if there was no error.
error_code	The top-level error code, or 0 if there was no error.

```
OffsetFetch Response (Version: 4) => throttle_time_ms [topics] error_code  
throttle_time_ms => INT32  
topics => name [partitions]  
name => STRING  
partitions => partition_index committed_offset metadata error_code  
partition_index => INT32  
committed_offset => INT64  
metadata => NULLABLE_STRING  
error_code => INT16
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses per topic.
name	The topic name.
partitions	The responses per partition.
partition_index	The partition index.
committed_offset	The committed message offset.
metadata	The partition metadata.
error_code	The error code, or 0 if there was no error.
error_code	The top-level error code, or 0 if there was no error.

```

OffsetFetch Response (Version: 5) => throttle_time_ms [topics] error_code
    throttle_time_ms => INT32
    topics => name [partitions]
        name => STRING
        partitions => partition_index committed_offset committed_leader_epoch m
            partition_index => INT32
            committed_offset => INT64
            committed_leader_epoch => INT32
            metadata => NULLABLE_STRING
            error_code => INT16
            error_code => INT16

```

Response header version: 0

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	zero if the request did not violate any quota.
topics	The responses per topic.
name	The topic name.
partitions	The responses per partition.
partition_index	The partition index.
committed_offset	The committed message offset.
committed_leader_epoch	The leader epoch.
metadata	The partition metadata.
error_code	The error code, or 0 if there was no error.
error_code	The top-level error code, or 0 if there was no error.

```
OffsetFetch Response (Version: 6) => throttle_time_ms [topics] error_code _  

    throttle_time_ms => INT32  

    topics => name [partitions] _tagged_fields  

        name => COMPACT_STRING  

        partitions => partition_index committed_offset committed_leader_epoch m  

            partition_index => INT32  

            committed_offset => INT64  

            committed_leader_epoch => INT32  

            metadata => COMPACT_NULLABLE_STRING  

            error_code => INT16  

        error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topics	The responses per topic.
name	The topic name.
partitions	The responses per partition.
partition_index	The partition index.
committed_offset	The committed message offset.
committed_leader_epoch	The leader epoch.
metadata	The partition metadata.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
error_code	The top-level error code, or 0 if there was no error.
_tagged_fields	The tagged fields

```
OffsetFetch Response (Version: 7) => throttle_time_ms [topics] error_code _  
throttle_time_ms => INT32  
topics => name [partitions] _tagged_fields  
    name => COMPACT_STRING  
    partitions => partition_index committed_offset committed_leader_epoch m  
        partition_index => INT32  
        committed_offset => INT64  
        committed_leader_epoch => INT32  
        metadata => COMPACT_NULLABLE_STRING  
        error_code => INT16  
    error_code => INT16
```

Response header version: 1

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	zero if the request did not violate any quota.
topics	The responses per topic.
name	The topic name.
partitions	The responses per partition.
partition_index	The partition index.
committed_offset	The committed message offset.
committed_leader_epoch	The leader epoch.
metadata	The partition metadata.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
error_code	The top-level error code, or 0 if there was no error.
_tagged_fields	The tagged fields

```

OffsetFetch Response (Version: 8) => throttle_time_ms [groups] _tagged_field
    throttle_time_ms => INT32
    groups => group_id [topics] error_code _tagged_fields
        group_id => COMPACT_STRING
        topics => name [partitions] _tagged_fields
            name => COMPACT_STRING
            partitions => partition_index committed_offset committed_leader_epoch
                partition_index => INT32
                committed_offset => INT64
                committed_leader_epoch => INT32
                metadata => COMPACT_NULLABLE_STRING
                error_code => INT16

```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	The responses per group id.
group_id	The group ID.
topics	The responses per topic.
name	The topic name.
partitions	The responses per partition.
partition_index	The partition index.
committed_offset	The committed message offset.
committed_leader_epoch	The leader epoch.
metadata	The partition metadata.
error_code	The partition-level error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
error_code	The group-level error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
OffsetFetch Response (Version: 9) => throttle_time_ms [groups] _tagged_field
throttle_time_ms => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
partitions => partition_index committed_offset committed_leader_epoch
partition_index => INT32
committed_offset => INT64
committed_leader_epoch => INT32
metadata => COMPACT_NULLABLE_STRING
error_code => INT16
error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	The responses per group id.
group_id	The group ID.
topics	The responses per topic.
name	The topic name.
partitions	The responses per partition.
partition_index	The partition index.
committed_offset	The committed message offset.
committed_leader_epoch	The leader epoch.
metadata	The partition metadata.
error_code	The partition-level error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```

OffsetFetch Response (Version: 10) => throttle_time_ms [groups] _tagged_fields
    throttle_time_ms => INT32
    groups => group_id [topics] error_code _tagged_fields
        group_id => COMPACT_STRING
        topics => topic_id [partitions] _tagged_fields
            topic_id => UUID
            partitions => partition_index committed_offset committed_leader_epoch
                partition_index => INT32
                committed_offset => INT64
                committed_leader_epoch => INT32
                metadata => COMPACT_NULLABLE_STRING
                error_code => INT16
                error_code => INT16

```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	The responses per group id.
group_id	The group ID.
topics	The responses per topic.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

committed_offset	The committed message offset.
committed_leader_epoch	The leader epoch.
metadata	The partition metadata.
error_code	The partition-level error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
error_code	The group-level error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

FindCoordinator API (Key: 10):

Requests:

```
FindCoordinator Request (Version: 0) => key
```

```
key => STRING
```

Request header version: 1

FIELD	DESCRIPTION
key	The coordinator key.

```
FindCoordinator Request (Version: 1) => key key_type
```

```
key => STRING
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

FIELD	DESCRIPTION
key	The coordinator key.
key_type	The coordinator key type. (group, transaction, share).

FindCoordinator Request (Version: 2) => key key_type

key => STRING

key_type => INT8

Request header version: 1

FIELD	DESCRIPTION
key	The coordinator key.
key_type	The coordinator key type. (group, transaction, share).

FindCoordinator Request (Version: 3) => key key_type _tagged_fields

key => COMPACT_STRING

key_type => INT8

Request header version: 2

FIELD	DESCRIPTION
key	The coordinator key.
key_type	The coordinator key type. (group, transaction, share).

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

key_type => INT8
coordinator_keys => COMPACT_STRING

Request header version: 2

FIELD	DESCRIPTION
key_type	The coordinator key type. (group, transaction, share).
coordinator_keys	The coordinator keys.
_tagged_fields	The tagged fields

FindCoordinator Request (Version: 5) => key_type [coordinator_keys] _tagged
key_type => INT8
coordinator_keys => COMPACT_STRING

Request header version: 2

FIELD	DESCRIPTION
key_type	The coordinator key type. (group, transaction, share).
coordinator_keys	The coordinator keys.
_tagged_fields	The tagged fields

FindCoordinator Request (Version: 6) => key_type [coordinator_keys] _tagged
key_type => INT8
coordinator_keys => COMPACT_STRING

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

key_type	The coordinator key type. (group, transaction, share).
coordinator_keys	The coordinator keys.
_tagged_fields	The tagged fields

Responses:

```
FindCoordinator Response (Version: 0) => error_code node_id host port
    error_code => INT16
    node_id => INT32
    host => STRING
    port => INT32
```

Response header version: 0

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
node_id	The node id.
host	The host name.
port	The port.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

—
error_message => Nullable_String
node_id => INT32
host => STRING
port => INT32

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
node_id	The node id.
host	The host name.
port	The port.

FindCoordinator Response (Version: 2) => throttle_time_ms error_code error_throttle_time_ms => INT32
error_code => INT16
error_message => Nullable_String
node_id => INT32
host => STRING
port => INT32

Response header version: 0

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
node_id	The node id.
host	The host name.
port	The port.

```
FindCoordinator Response (Version: 3) => throttle_time_ms error_code error_
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
node_id => INT32
host => COMPACT_STRING
port => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
node_id	The node id.
host	The host name.
port	The port.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
throttle_time_ms => INT32
coordinators => key node_id host port error_code error_message _tagged_fields
key => COMPACT_STRING
node_id => INT32
host => COMPACT_STRING
port => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
coordinators	Each coordinator result in the response.
key	The coordinator key.
node_id	The node id.
host	The host name.
port	The port.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
FindCoordinator Response (Version: 5) => throttle_time_ms [coordinators] _tagged_fields
throttle_time_ms => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
port => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
coordinators	Each coordinator result in the response.
key	The coordinator key.
node_id	The node id.
host	The host name.
port	The port.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
FindCoordinator Response (Version: 6) => throttle_time_ms [coordinators] _t
throttle_time_ms => INT32
coordinators => key node_id host port error_code error_message _tagged_fi
key => COMPACT_STRING
node_id => INT32
host => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
coordinators	Each coordinator result in the response.
key	The coordinator key.
node_id	The node id.
host	The host name.
port	The port.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

JoinGroup API (Key: 11):

Requests:

```
JoinGroup Request (Version: 0) => group_id session_timeout_ms member_id pro
group_id => STRING
session_timeout_ms => INT32
member_id => STRING
protocol_type => STRING
protocols => name metadata
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 1

FIELD	DESCRIPTION
group_id	The group identifier.
session_timeout_ms	The coordinator considers the consumer dead if it receives no heartbeat after this timeout in milliseconds.
member_id	The member id assigned by the group coordinator.
protocol_type	The unique name the for class of protocols implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.

```

JoinGroup Request (Version: 1) => group_id session_timeout_ms rebalance_time
group_id => STRING
session_timeout_ms => INT32
rebalance_timeout_ms => INT32
member_id => STRING
protocol_type => STRING
protocols => name metadata
    name => STRING
    metadata => BYTES

```

Request header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

session_timeout_ms	THE COORDINATOR CONSIDERS THE CONSUMER DEAD IF IT RECEIVES NO HEARTBEAT AFTER THIS TIMEOUT IN MILLISECONDS.
rebalance_timeout_ms	The maximum time in milliseconds that the coordinator will wait for each member to rejoin when rebalancing the group.
member_id	The member id assigned by the group coordinator.
protocol_type	The unique name the for class of protocols implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.

```

JoinGroup Request (Version: 2) => group_id session_timeout_ms rebalance_time
group_id => STRING
session_timeout_ms => INT32
rebalance_timeout_ms => INT32
member_id => STRING
protocol_type => STRING
protocols => name metadata
name => STRING
metadata => BYTES

```

Request header version: 1

FIELD	DESCRIPTION
group_id	The group identifier.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

rebalance_timeout_ms	The maximum time in milliseconds that the coordinator will wait for each member to rejoin when rebalancing the group.
member_id	The member id assigned by the group coordinator.
protocol_type	The unique name the for class of protocols implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.

```

JoinGroup Request (Version: 3) => group_id session_timeout_ms rebalance_time
group_id => STRING
session_timeout_ms => INT32
rebalance_timeout_ms => INT32
member_id => STRING
protocol_type => STRING
protocols => name metadata
    name => STRING
    metadata => BYTES

```

Request header version: 1

FIELD	DESCRIPTION
group_id	The group identifier.
session_timeout_ms	The coordinator considers the consumer dead if it receives no heartbeat after this timeout in milliseconds.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

member_id	The member id assigned by the group coordinator.
protocol_type	The unique name the for class of protocols implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.

```

JoinGroup Request (Version: 4) => group_id session_timeout_ms rebalance_time
group_id => STRING
session_timeout_ms => INT32
rebalance_timeout_ms => INT32
member_id => STRING
protocol_type => STRING
protocols => name metadata
    name => STRING
    metadata => BYTES

```

Request header version: 1

FIELD	DESCRIPTION
group_id	The group identifier.
session_timeout_ms	The coordinator considers the consumer dead if it receives no heartbeat after this timeout in milliseconds.
rebalance_timeout_ms	The maximum time in milliseconds that the coordinator will wait for each member to rejoin when rebalancing the group.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.

```
JoinGroup Request (Version: 5) => group_id session_timeout_ms rebalance_time
group_id => STRING
session_timeout_ms => INT32
rebalance_timeout_ms => INT32
member_id => STRING
group_instance_id => NULLABLE_STRING
protocol_type => STRING
protocols => name metadata
    name => STRING
    metadata => BYTES
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The group identifier.
session_timeout_ms	The coordinator considers the consumer dead if it receives no heartbeat after this timeout in milliseconds.
rebalance_timeout_ms	The maximum time in milliseconds that the coordinator will wait for each member to rejoin when rebalancing the group.
member_id	The member id assigned by the group coordinator.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.

```
JoinGroup Request (Version: 6) => group_id session_timeout_ms rebalance_time
group_id => COMPACT_STRING
session_timeout_ms => INT32
rebalance_timeout_ms => INT32
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
protocol_type => COMPACT_STRING
protocols => name metadata _tagged_fields
    name => COMPACT_STRING
    metadata => COMPACT_BYTES
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
session_timeout_ms	The coordinator considers the consumer dead if it receives no heartbeat after this timeout in milliseconds.
rebalance_timeout_ms	The maximum time in milliseconds that the coordinator will wait for each member to rejoin when rebalancing the group.
member_id	The member id assigned by the group coordinator.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```

JoinGroup Request (Version: 7) => group_id session_timeout_ms rebalance_time
    group_id => COMPACT_STRING
    session_timeout_ms => INT32
    rebalance_timeout_ms => INT32
    member_id => COMPACT_STRING
    group_instance_id => COMPACT_NULLABLE_STRING
    protocol_type => COMPACT_STRING
    protocols => name metadata _tagged_fields
        name => COMPACT_STRING
        metadata => COMPACT_BYTES

```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
session_timeout_ms	The coordinator considers the consumer dead if it receives no heartbeat after this timeout in milliseconds.
rebalance_timeout_ms	The maximum time in milliseconds that the coordinator will wait for each member to rejoin

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

group_instance_id	The unique identifier of the consumer instance provided by end user.
protocol_type	The unique name the for class of protocols implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```

JoinGroup Request (Version: 8) => group_id session_timeout_ms rebalance_time
    group_id => COMPACT_STRING
    session_timeout_ms => INT32
    rebalance_timeout_ms => INT32
    member_id => COMPACT_STRING
    group_instance_id => COMPACT_NULLABLE_STRING
    protocol_type => COMPACT_STRING
    protocols => name metadata _tagged_fields
        name => COMPACT_STRING
        metadata => COMPACT_BYTES
    reason => COMPACT_NULLABLE_STRING

```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

rebalance_timeout_ms	The maximum time in milliseconds that the coordinator will wait for each member to rejoin when rebalancing the group.
member_id	The member id assigned by the group coordinator.
group_instance_id	The unique identifier of the consumer instance provided by end user.
protocol_type	The unique name the for class of protocols implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.
_tagged_fields	The tagged fields
reason	The reason why the member (re-)joins the group.
_tagged_fields	The tagged fields

```
JoinGroup Request (Version: 9) => group_id session_timeout_ms rebalance_time
group_id => COMPACT_STRING
session_timeout_ms => INT32
rebalance_timeout_ms => INT32
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
protocol_type => COMPACT_STRING
protocols => name metadata _tagged_fields
    name => COMPACT_STRING
    metadata => COMPACT_BYTES
reason => COMPACT_NULLABLE_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

group_id	The group identifier.
session_timeout_ms	The coordinator considers the consumer dead if it receives no heartbeat after this timeout in milliseconds.
rebalance_timeout_ms	The maximum time in milliseconds that the coordinator will wait for each member to rejoin when rebalancing the group.
member_id	The member id assigned by the group coordinator.
group_instance_id	The unique identifier of the consumer instance provided by end user.
protocol_type	The unique name the for class of protocols implemented by the group we want to join.
protocols	The list of protocols that the member supports.
name	The protocol name.
metadata	The protocol metadata.
_tagged_fields	The tagged fields
reason	The reason why the member (re-)joins the group.
_tagged_fields	The tagged fields

Responses:

```
JoinGroup Response (Version: 0) => error_code generation_id protocol_name l
    error_code => INT16
    generation_id => INT32
    protocol_name => STRING
    leader => STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response header version: 0

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
generation_id	The generation ID of the group.
protocol_name	The group protocol selected by the coordinator.
leader	The leader of the group.
member_id	The member ID assigned by the group coordinator.
members	The group members.
member_id	The group member ID.
metadata	The group member metadata.

```
JoinGroup Response (Version: 1) => error_code generation_id protocol_name l  
error_code => INT16  
generation_id => INT32  
protocol_name => STRING  
leader => STRING  
member_id => STRING  
members => member_id metadata  
member_id => STRING  
metadata => BYTES
```

Response header version: 0

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>generation_id</code>	The generation ID of the group.
<code>protocol_name</code>	The group protocol selected by the coordinator.
<code>leader</code>	The leader of the group.
<code>member_id</code>	The member ID assigned by the group coordinator.
<code>members</code>	The group members.
<code>member_id</code>	The group member ID.
<code>metadata</code>	The group member metadata.

```

JoinGroup Response (Version: 2) => throttle_time_ms error_code generation_id
    throttle_time_ms => INT32
    error_code => INT16
    generation_id => INT32
    protocol_name => STRING
    leader => STRING
    member_id => STRING
    members => member_id metadata
    member_id => STRING
    metadata => BYTES
  
```

Response header version: 0

FIELD	DESCRIPTION
<code>throttle_time_ms</code>	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
<code>error_code</code>	The error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

member_id	The member ID assigned by the group coordinator.
members	The group members.
member_id	The group member ID.
metadata	The group member metadata.

```
JoinGroup Response (Version: 3) => throttle_time_ms error_code generation_id
    throttle_time_ms => INT32
    error_code => INT16
    generation_id => INT32
    protocol_name => STRING
    leader => STRING
    member_id => STRING
    members => member_id metadata
        member_id => STRING
        metadata => BYTES
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
generation_id	The generation ID of the group.
protocol_name	The group protocol selected by the coordinator.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

members	The group members.
member_id	The group member ID.
metadata	The group member metadata.

```
JoinGroup Response (Version: 4) => throttle_time_ms error_code generation_id
    throttle_time_ms => INT32
    error_code => INT16
    generation_id => INT32
    protocol_name => STRING
    leader => STRING
    member_id => STRING
    members => member_id metadata
        member_id => STRING
        metadata => BYTES
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
generation_id	The generation ID of the group.
protocol_name	The group protocol selected by the coordinator.
leader	The leader of the group.
member_id	The member ID assigned by the group coordinator.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
JoinGroup Response (Version: 5) => throttle_time_ms error_code generation_id
throttle_time_ms => INT32
error_code => INT16
generation_id => INT32
protocol_name => STRING
leader => STRING
member_id => STRING
members => member_id group_instance_id metadata
member_id => STRING
group_instance_id => NULLABLE_STRING
metadata => BYTES
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
generation_id	The generation ID of the group.
protocol_name	The group protocol selected by the coordinator.
leader	The leader of the group.
member_id	The member ID assigned by the group coordinator.
members	The group members.
member_id	The group member ID.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
JoinGroup Response (Version: 6) => throttle_time_ms error_code generation_id
throttle_time_ms => INT32
error_code => INT16
generation_id => INT32
protocol_name => COMPACT_STRING
leader => COMPACT_STRING
member_id => COMPACT_STRING
members => member_id group_instance_id metadata _tagged_fields
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
metadata => COMPACT_BYTES
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
generation_id	The generation ID of the group.
protocol_name	The group protocol selected by the coordinator.
leader	The leader of the group.
member_id	The member ID assigned by the group coordinator.
members	The group members.
member_id	The group member ID.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```

JoinGroup Response (Version: 7) => throttle_time_ms error_code generation_id
    throttle_time_ms => INT32
    error_code => INT16
    generation_id => INT32
    protocol_type => COMPACT_NULLABLE_STRING
    protocol_name => COMPACT_NULLABLE_STRING
    leader => COMPACT_STRING
    member_id => COMPACT_STRING
    members => member_id group_instance_id metadata _tagged_fields
        member_id => COMPACT_STRING
        group_instance_id => COMPACT_NULLABLE_STRING
        metadata => COMPACT_BYTES

```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
generation_id	The generation ID of the group.
protocol_type	The group protocol name.
protocol_name	The group protocol selected by the coordinator.
leader	The leader of the group.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

member_id	The group member ID.
group_instance_id	The unique identifier of the consumer instance provided by end user.
metadata	The group member metadata.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```

JoinGroup Response (Version: 8) => throttle_time_ms error_code generation_id
    throttle_time_ms => INT32
    error_code => INT16
    generation_id => INT32
    protocol_type => COMPACT_NULLABLE_STRING
    protocol_name => COMPACT_NULLABLE_STRING
    leader => COMPACT_STRING
    member_id => COMPACT_STRING
    members => member_id group_instance_id metadata _tagged_fields
        member_id => COMPACT_STRING
        group_instance_id => COMPACT_NULLABLE_STRING
        metadata => COMPACT_BYTES

```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

leader	The leader of the group.
member_id	The member ID assigned by the group coordinator.
members	The group members.
member_id	The group member ID.
group_instance_id	The unique identifier of the consumer instance provided by end user.
metadata	The group member metadata.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
JoinGroup Response (Version: 9) => throttle_time_ms error_code generation_id
throttle_time_ms => INT32
error_code => INT16
generation_id => INT32
protocol_type => COMPACT_NULLABLE_STRING
protocol_name => COMPACT_NULLABLE_STRING
leader => COMPACT_STRING
skip_assignment => BOOLEAN
member_id => COMPACT_STRING
members => member_id group_instance_id metadata _tagged_fields
    member_id => COMPACT_STRING
    group_instance_id => COMPACT_NULLABLE_STRING
    metadata => COMPACT_BYTES
```

Response header version: 1

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
generation_id	The generation ID of the group.
protocol_type	The group protocol name.
protocol_name	The group protocol selected by the coordinator.
leader	The leader of the group.
skip_assignment	True if the leader must skip running the assignment.
member_id	The member ID assigned by the group coordinator.
members	The group members.
member_id	The group member ID.
group_instance_id	The unique identifier of the consumer instance provided by end user.
metadata	The group member metadata.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Heartbeat API (Key: 12):

Requests:

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

- member_id => STRING

Request header version: 1

FIELD	DESCRIPTION
group_id	The group id.
generation_id	The generation of the group.
member_id	The member ID.

Heartbeat Request (Version: 1) => group_id generation_id member_id

group_id => STRING

generation_id => INT32

member_id => STRING

Request header version: 1

FIELD	DESCRIPTION
group_id	The group id.
generation_id	The generation of the group.
member_id	The member ID.

Heartbeat Request (Version: 2) => group_id generation_id member_id

group_id => STRING

generation_id => INT32

member_id => STRING

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

group_id	The group id.
generation_id	The generation of the group.
member_id	The member ID.

```
Heartbeat Request (Version: 3) => group_id generation_id member_id group_instance_id
group_id => STRING
generation_id => INT32
member_id => STRING
group_instance_id => NULLABLE_STRING
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The group id.
generation_id	The generation of the group.
member_id	The member ID.
group_instance_id	The unique identifier of the consumer instance provided by end user.

```
Heartbeat Request (Version: 4) => group_id generation_id member_id group_instance_id
group_id => COMPACT_STRING
generation_id => INT32
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
```

Request header version: 2

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>generation_id</code>	The generation of the group.
<code>member_id</code>	The member ID.
<code>group_instance_id</code>	The unique identifier of the consumer instance provided by end user.
<code>_tagged_fields</code>	The tagged fields

Responses:

Heartbeat Response (Version: 0) => `error_code`

`error_code` => INT16

Response header version: 0

FIELD	DESCRIPTION
<code>error_code</code>	The error code, or 0 if there was no error.

Heartbeat Response (Version: 1) => `throttle_time_ms` `error_code`

`throttle_time_ms` => INT32

`error_code` => INT16

Response header version: 0

FIELD	DESCRIPTION
<code>throttle_time_ms</code>	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
<code>error_code</code>	The error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.

Heartbeat Response (Version: 3) => throttle_time_ms error_code

throttle_time_ms => INT32

error_code => INT16

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.

Heartbeat Response (Version: 4) => throttle_time_ms error_code _tagged_field

throttle_time_ms => INT32

error_code => INT16

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields

LeaveGroup API (Key: 13):

Requests:

```
LeaveGroup Request (Version: 0) => group_id member_id
    group_id => STRING
    member_id => STRING
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The ID of the group to leave.
member_id	The member ID to remove from the group.

```
LeaveGroup Request (Version: 1) => group_id member_id
    group_id => STRING
    member_id => STRING
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The ID of the group to leave.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

group_id => STRING
member_id => STRING

Request header version: 1

FIELD	DESCRIPTION
group_id	The ID of the group to leave.
member_id	The member ID to remove from the group.

LeaveGroup Request (Version: 3) => group_id [members]

group_id => STRING
members => member_id group_instance_id
member_id => STRING
group_instance_id => NULLABLE_STRING

Request header version: 1

FIELD	DESCRIPTION
group_id	The ID of the group to leave.
members	List of leaving member identities.
member_id	The member ID to remove from the group.
group_instance_id	The group instance ID to remove from the group.

LeaveGroup Request (Version: 4) => group_id [members] _tagged_fields

group_id => COMPACT_STRING
members => member_id group_instance_id _tagged_fields
member_id => COMPACT_STRING

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
group_id	The ID of the group to leave.
members	List of leaving member identities.
member_id	The member ID to remove from the group.
group_instance_id	The group instance ID to remove from the group.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
LeaveGroup Request (Version: 5) => group_id [members] _tagged_fields
    group_id => COMPACT_STRING
    members => member_id group_instance_id reason _tagged_fields
        member_id => COMPACT_STRING
        group_instance_id => COMPACT_NULLABLE_STRING
        reason => COMPACT_NULLABLE_STRING
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The ID of the group to leave.
members	List of leaving member identities.
member_id	The member ID to remove from the group.
group_instance_id	The group instance ID to remove from the group.
reason	The reason why the member left the group.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

LeaveGroup Response (Version: 0) => error_code
error_code => INT16

Response header version: 0

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.

LeaveGroup Response (Version: 1) => throttle_time_ms error_code
throttle_time_ms => INT32
error_code => INT16

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.

LeaveGroup Response (Version: 2) => throttle_time_ms error_code
throttle_time_ms => INT32
error_code => INT16

Response header version: 0

FIELD	DESCRIPTION
-------	-------------

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code

The error code, or 0 if there was no error.

```
LeaveGroup Response (Version: 3) => throttle_time_ms error_code [members]
    throttle_time_ms => INT32
    error_code => INT16
    members => member_id group_instance_id error_code
        member_id => STRING
        group_instance_id => NULLABLE_STRING
        error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
members	List of leaving member responses.
member_id	The member ID to remove from the group.
group_instance_id	The group instance ID to remove from the group.
error_code	The error code, or 0 if there was no error.

```
LeaveGroup Response (Version: 4) => throttle_time_ms error_code [members]
    throttle_time_ms => INT32
    error_code => INT16
    members => member_id group_instance_id error_code _tagged_fields
        member_id => COMPACT_STRING
        group_instance_id => COMPACT_NULLABLE_STRING
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
members	List of leaving member responses.
member_id	The member ID to remove from the group.
group_instance_id	The group instance ID to remove from the group.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
LeaveGroup Response (Version: 5) => throttle_time_ms error_code [members]
    throttle_time_ms => INT32
    error_code => INT16
    members => member_id group_instance_id error_code _tagged_fields
        member_id => COMPACT_STRING
        group_instance_id => COMPACT_NULLABLE_STRING
        error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

group_instance_id	The group instance ID to remove from the group.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

SyncGroup API (Key: 14):

Requests:

```

SyncGroup Request (Version: 0) => group_id generation_id member_id [assignments]
    group_id => STRING
    generation_id => INT32
    member_id => STRING
    assignments => member_id assignment
        member_id => STRING
        assignment => BYTES
  
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id	The generation of the group.
member_id	The member ID assigned by the group.
assignments	Each assignment.
member_id	The ID of the member to assign.
assignment	The member assignment.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

-
member_id => STRING
assignments => member_id assignment
member_id => STRING
assignment => BYTES

Request header version: 1

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id	The generation of the group.
member_id	The member ID assigned by the group.
assignments	Each assignment.
member_id	The ID of the member to assign.
assignment	The member assignment.

SyncGroup Request (Version: 2) => group_id generation_id member_id [assignments]
group_id => STRING
generation_id => INT32
member_id => STRING
assignments => member_id assignment
member_id => STRING
assignment => BYTES

Request header version: 1

FIELD	DESCRIPTION

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

assignments	Each assignment.
member_id	The ID of the member to assign.
assignment	The member assignment.

```
SyncGroup Request (Version: 3) => group_id generation_id member_id group_in
group_id => STRING
generation_id => INT32
member_id => STRING
group_instance_id => NULLABLE_STRING
assignments => member_id assignment
    member_id => STRING
    assignment => BYTES
```

Request header version: 1

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id	The generation of the group.
member_id	The member ID assigned by the group.
group_instance_id	The unique identifier of the consumer instance provided by end user.
assignments	Each assignment.
member_id	The ID of the member to assign.
assignment	The member assignment.

```
SyncGroup Request (Version: 4) => group_id generation_id member_id group_in
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
assignments => member_id assignment _tagged_fields
    member_id => COMPACT_STRING
    assignment => COMPACT_BYTES
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id	The generation of the group.
member_id	The member ID assigned by the group.
group_instance_id	The unique identifier of the consumer instance provided by end user.
assignments	Each assignment.
member_id	The ID of the member to assign.
assignment	The member assignment.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
SyncGroup Request (Version: 5) => group_id generation_id member_id group_in
group_id => COMPACT_STRING
generation_id => INT32
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
protocol_type => COMPACT_NULLABLE_STRING
protocol_name => COMPACT_NULLABLE_STRING
assignments => member_id assignment _tagged_fields
    member_id => COMPACT_STRING
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
group_id	The unique group identifier.
generation_id	The generation of the group.
member_id	The member ID assigned by the group.
group_instance_id	The unique identifier of the consumer instance provided by end user.
protocol_type	The group protocol type.
protocol_name	The group protocol name.
assignments	Each assignment.
member_id	The ID of the member to assign.
assignment	The member assignment.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
SyncGroup Response (Version: 0) => error_code assignment
    error_code => INT16
    assignment => BYTES
```

Response header version: 0

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

throttle_time_ms => INT32
error_code => INT16
assignment => BYTES

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
assignment	The member assignment.

SyncGroup Response (Version: 2) => throttle_time_ms error_code assignment
throttle_time_ms => INT32
error_code => INT16
assignment => BYTES

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
assignment	The member assignment.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

assignment => BYTES

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
assignment	The member assignment.

SyncGroup Response (Version: 4) => throttle_time_ms error_code assignment _
throttle_time_ms => INT32
error_code => INT16
assignment => COMPACT_BYTES

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
assignment	The member assignment.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
protocol_type => COMPACT_NULLABLE_STRING  
protocol_name => COMPACT_NULLABLE_STRING  
assignment => COMPACT_BYTES
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
protocol_type	The group protocol type.
protocol_name	The group protocol name.
assignment	The member assignment.
_tagged_fields	The tagged fields

DescribeGroups API (Key: 15):

Requests:

```
DescribeGroups Request (Version: 0) => [groups]  
groups => STRING
```

Request header version: 1

FIELD	DESCRIPTION
-------	-------------

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

groups => STRING

Request header version: 1

FIELD	DESCRIPTION
groups	The names of the groups to describe.

DescribeGroups Request (Version: 2) => [groups]

groups => STRING

Request header version: 1

FIELD	DESCRIPTION
groups	The names of the groups to describe.

DescribeGroups Request (Version: 3) => [groups] include_authorized_operations

groups => STRING

include_authorized_operations => BOOLEAN

Request header version: 1

FIELD	DESCRIPTION
groups	The names of the groups to describe.
include_authorized_operations	Whether to include authorized operations.

DescribeGroups Request (Version: 4) => [groups] include_authorized_operations

groups => STRING

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

FIELD	DESCRIPTION
groups	The names of the groups to describe.
include_authorized_operations	Whether to include authorized operations.

```
DescribeGroups Request (Version: 5) => [groups] include_authorized_operations
  groups => COMPACT_STRING
  include_authorized_operations => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
groups	The names of the groups to describe.
include_authorized_operations	Whether to include authorized operations.
_tagged_fields	The tagged fields

```
DescribeGroups Request (Version: 6) => [groups] include_authorized_operations
  groups => COMPACT_STRING
  include_authorized_operations => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
groups	The names of the groups to describe.
include_authorized_operations	Whether to include authorized operations.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
groups -- error_code group_id group_state protocol_type protocol_data time  
error_code => INT16  
group_id => STRING  
group_state => STRING  
protocol_type => STRING  
protocol_data => STRING  
members => member_id client_id client_host member_metadata member_assignment  
member_id => STRING  
client_id => STRING  
client_host => STRING  
member_metadata => BYTES  
member_assignment => BYTES
```

Response header version: 0

FIELD	DESCRIPTION
groups	Each described group.
error_code	The describe error, or 0 if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
protocol_type	The group protocol type, or the empty string.
protocol_data	The group protocol data, or the empty string.
members	The group members.
member_id	The member id.
client_id	The client ID used in the member's latest join group request.
client_host	The client host.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

leader.

```
DescribeGroups Response (Version: 1) => throttle_time_ms [groups]
throttle_time_ms => INT32
groups => error_code group_id group_state protocol_type protocol_data [me
error_code => INT16
group_id => STRING
group_state => STRING
protocol_type => STRING
protocol_data => STRING
members => member_id client_id client_host member_metadata member_assignment
member_id => STRING
client_id => STRING
client_host => STRING
member_metadata => BYTES
member_assignment => BYTES
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	Each described group.
error_code	The describe error, or 0 if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
protocol_type	The group protocol type, or the empty string.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

client_id	The client ID used in the member's latest join group request.
client_host	The client host.
member_metadata	The metadata corresponding to the current group protocol in use.
member_assignment	The current assignment provided by the group leader.

```
DescribeGroups Response (Version: 2) => throttle_time_ms [groups]
    throttle_time_ms => INT32
    groups => error_code group_id group_state protocol_type protocol_data [me
        error_code => INT16
        group_id => STRING
        group_state => STRING
        protocol_type => STRING
        protocol_data => STRING
    members => member_id client_id client_host member_metadata member_assig
        member_id => STRING
        client_id => STRING
        client_host => STRING
        member_metadata => BYTES
        member_assignment => BYTES
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

group_id	The group ID string.
group_state	The group state string, or the empty string.
protocol_type	The group protocol type, or the empty string.
protocol_data	The group protocol data, or the empty string.
members	The group members.
member_id	The member id.
client_id	The client ID used in the member's latest join group request.
client_host	The client host.
member_metadata	The metadata corresponding to the current group protocol in use.
member_assignment	The current assignment provided by the group leader.

```
DescribeGroups Response (Version: 3) => throttle_time_ms [groups]
throttle_time_ms => INT32
groups => error_code group_id group_state protocol_type protocol_data [me
    error_code => INT16
    group_id => STRING
    group_state => STRING
    protocol_type => STRING
    protocol_data => STRING
    members => member_id client_id client_host member_metadata member_assig
        member_id => STRING
        client_id => STRING
        client_host => STRING
        member_metadata => BYTES
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Response Header Version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	Each described group.
error_code	The describe error, or 0 if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
protocol_type	The group protocol type, or the empty string.
protocol_data	The group protocol data, or the empty string.
members	The group members.
member_id	The member id.
client_id	The client ID used in the member's latest join group request.
client_host	The client host.
member_metadata	The metadata corresponding to the current group protocol in use.
member_assignment	The current assignment provided by the group leader.
authorized_operations	32-bit bitfield to represent authorized operations for this group.

```
DescribeGroups Response (Version: 4) => throttle_time_ms [groups]
throttle_time_ms => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
protocol_type => STRING
protocol_data => STRING
members => member_id group_instance_id client_id client_host member_metadata
member_id => STRING
group_instance_id => NULLABLE_STRING
client_id => STRING
client_host => STRING
member_metadata => BYTES
member_assignment => BYTES
authorized_operations => INT32
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	Each described group.
error_code	The describe error, or 0 if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
protocol_type	The group protocol type, or the empty string.
protocol_data	The group protocol data, or the empty string.
members	The group members.
member_id	The member id.
group_instance_id	The unique identifier of the consumer instance

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

client_host	The client host.
member_metadata	The metadata corresponding to the current group protocol in use.
member_assignment	The current assignment provided by the group leader.
authorized_operations	32-bit bitfield to represent authorized operations for this group.

```
DescribeGroups Response (Version: 5) => throttle_time_ms [groups] _tagged_f
throttle_time_ms => INT32
groups => error_code group_id group_state protocol_type protocol_data [me
error_code => INT16
group_id => COMPACT_STRING
group_state => COMPACT_STRING
protocol_type => COMPACT_STRING
protocol_data => COMPACT_STRING
members => member_id group_instance_id client_id client_host member_met
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
client_id => COMPACT_STRING
client_host => COMPACT_STRING
member_metadata => COMPACT_BYTES
member_assignment => COMPACT_BYTES
authorized_operations => INT32
```

Response header version: 1

FIELD	DESCRIPTION
-------	-------------

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

groups	Each described group.
error_code	The describe error, or 0 if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
protocol_type	The group protocol type, or the empty string.
protocol_data	The group protocol data, or the empty string.
members	The group members.
member_id	The member id.
group_instance_id	The unique identifier of the consumer instance provided by end user.
client_id	The client ID used in the member's latest join group request.
client_host	The client host.
member_metadata	The metadata corresponding to the current group protocol in use.
member_assignment	The current assignment provided by the group leader.
_tagged_fields	The tagged fields
authorized_operations	32-bit bitfield to represent authorized operations for this group.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
DescribeGroups Response (Version: 6) => throttle_time_ms [groups] _tagged_f
throttle_time_ms => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
group_state => COMPACT_STRING
protocol_type => COMPACT_STRING
protocol_data => COMPACT_STRING
members => member_id group_instance_id client_id client_host member_metadata
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
client_id => COMPACT_STRING
client_host => COMPACT_STRING
member_metadata => COMPACT_BYTES
member_assignment => COMPACT_BYTES
authorized_operations => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	Each described group.
error_code	The describe error, or 0 if there was no error.
error_message	The describe error message, or null if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
protocol_type	The group protocol type, or the empty string.
protocol_data	The group protocol data, or the empty string.
members	The group members.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

client_id	The client ID used in the member's latest join group request.
client_host	The client host.
member_metadata	The metadata corresponding to the current group protocol in use.
member_assignment	The current assignment provided by the group leader.
_tagged_fields	The tagged fields
authorized_operations	32-bit bitfield to represent authorized operations for this group.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ListGroups API (Key: 16):

Requests:

```
ListGroups Request (Version: 0) =>
```

Request header version: 1

FIELD	DESCRIPTION

```
ListGroups Request (Version: 1) =>
```

Request header version: 1

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 1

FIELD	DESCRIPTION

ListGroups Request (Version: 3) => _tagged_fields

Request header version: 2

FIELD	DESCRIPTION
_tagged_fields	The tagged fields

ListGroups Request (Version: 4) => [states_filter] _tagged_fields
states_filter => COMPACT_STRING

Request header version: 2

FIELD	DESCRIPTION
states_filter	The states of the groups we want to list. If empty, all groups are returned with their state.
_tagged_fields	The tagged fields

ListGroups Request (Version: 5) => [states_filter] [types_filter] _tagged_fields
states_filter => COMPACT_STRING
types_filter => COMPACT_STRING

Request header version: 2

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>types_filter</code>	The types of the groups we want to list. If empty, all groups are returned with their type.
<code>_tagged_fields</code>	The tagged fields

Responses:

```
ListGroups Response (Version: 0) => error_code [groups]
  error_code => INT16
  groups => group_id protocol_type
    group_id => STRING
    protocol_type => STRING
```

Response header version: 0

FIELD	DESCRIPTION
<code>error_code</code>	The error code, or 0 if there was no error.
<code>groups</code>	Each group in the response.
<code>group_id</code>	The group ID.
<code>protocol_type</code>	The group protocol type.

```
ListGroups Response (Version: 1) => throttle_time_ms error_code [groups]
  throttle_time_ms => INT32
  error_code => INT16
  groups => group_id protocol_type
    group_id => STRING
    protocol_type => STRING
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
groups	Each group in the response.
group_id	The group ID.
protocol_type	The group protocol type.

```
ListGroups Response (Version: 2) => throttle_time_ms error_code [groups]
    throttle_time_ms => INT32
    error_code => INT16
    groups => group_id protocol_type
        group_id => STRING
        protocol_type => STRING
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
groups	Each group in the response.
group_id	The group ID.
protocol_type	The group protocol type.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
groups => group_id protocol_type _tagged_fields
group_id => COMPACT_STRING
protocol_type => COMPACT_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
groups	Each group in the response.
group_id	The group ID.
protocol_type	The group protocol type.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ListGroups Response (Version: 4) => throttle_time_ms error_code [groups] _t
throttle_time_ms => INT32
error_code => INT16
groups => group_id protocol_type group_state _tagged_fields
group_id => COMPACT_STRING
protocol_type => COMPACT_STRING
group_state => COMPACT_STRING
```

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
groups	Each group in the response.
group_id	The group ID.
protocol_type	The group protocol type.
group_state	The group state name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ListGroups Response (Version: 5) => throttle_time_ms error_code [groups] _t
throttle_time_ms => INT32
error_code => INT16
groups => group_id protocol_type group_state group_type _tagged_fields
group_id => COMPACT_STRING
protocol_type => COMPACT_STRING
group_state => COMPACT_STRING
group_type => COMPACT_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
groups	Each group in the response.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

group_type	The group type name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

SaslHandshake API (Key: 17):

Requests:

```
SaslHandshake Request (Version: 0) => mechanism  
mechanism => STRING
```

Request header version: 1

FIELD	DESCRIPTION
mechanism	The SASL mechanism chosen by the client.

```
SaslHandshake Request (Version: 1) => mechanism  
mechanism => STRING
```

Request header version: 1

FIELD	DESCRIPTION
mechanism	The SASL mechanism chosen by the client.

Responses:

```
SaslHandshake Response (Version: 0) => error_code [mechanisms]
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)[Response header version: 0](#)

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
mechanisms	The mechanisms enabled in the server.

SaslHandshake Response (Version: 1) => error_code [mechanisms] **error_code => INT16** **mechanisms => STRING****Response header version: 0**

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
mechanisms	The mechanisms enabled in the server.

ApiVersions API (Key: 18):**Requests:****ApiVersions Request (Version: 0) =>****Request header version: 1**

FIELD	DESCRIPTION

ApiVersions Request (Version: 1) =>

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

ApiVersions Request (Version: 2) =>

Request header version: 1

FIELD	DESCRIPTION
-------	-------------

ApiVersions Request (Version: 3) => client_software_name client_software_version
client_software_name => COMPACT_STRING
client_software_version => COMPACT_STRING

Request header version: 2

FIELD	DESCRIPTION
client_software_name	The name of the client.
client_software_version	The version of the client.
_tagged_fields	The tagged fields

ApiVersions Request (Version: 4) => client_software_name client_software_version
client_software_name => COMPACT_STRING
client_software_version => COMPACT_STRING

Request header version: 2

FIELD	DESCRIPTION
client_software_name	The name of the client.
client_software_version	The version of the client.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
ApiVersions Response (Version: 0) => error_code [api_keys]
```

```
  error_code => INT16
  api_keys => api_key min_version max_version
    api_key => INT16
    min_version => INT16
    max_version => INT16
```

Response header version: 0

FIELD	DESCRIPTION
error_code	The top-level error code.
api_keys	The APIs supported by the broker.
api_key	The API index.
min_version	The minimum supported version, inclusive.
max_version	The maximum supported version, inclusive.

```
ApiVersions Response (Version: 1) => error_code [api_keys] throttle_time_ms
```

```
  error_code => INT16
  api_keys => api_key min_version max_version
    api_key => INT16
    min_version => INT16
    max_version => INT16
  throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

min_version	The minimum supported version, inclusive.
max_version	The maximum supported version, inclusive.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

```
ApiVersions Response (Version: 2) => error_code [api_keys] throttle_time_ms
    error_code => INT16
    api_keys => api_key min_version max_version
        api_key => INT16
        min_version => INT16
        max_version => INT16
    throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION
error_code	The top-level error code.
api_keys	The APIs supported by the broker.
api_key	The API index.
min_version	The minimum supported version, inclusive.
max_version	The maximum supported version, inclusive.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

api_key => INT16
min_version => INT16
max_version => INT16
throttle_time_ms => INT32

Response header version: 0

FIELD	DESCRIPTION							
error_code	The top-level error code.							
api_keys	The APIs supported by the broker.							
api_key	The API index.							
min_version	The minimum supported version, inclusive.							
max_version	The maximum supported version, inclusive.							
_tagged_fields	The tagged fields							
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.							
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>supported_features</td><td>Features supported by the broker. Note: in v0-v3, features with MinSupportedVersion = 0 are omitted.</td></tr></tbody></table>		TAG	TAGGED FIELD	DESCRIPTION	0	supported_features	Features supported by the broker. Note: in v0-v3, features with MinSupportedVersion = 0 are omitted.
TAG	TAGGED FIELD	DESCRIPTION						
0	supported_features	Features supported by the broker. Note: in v0-v3, features with MinSupportedVersion = 0 are omitted.						

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

min_version
The minimum supported version for the feature.

max_version
The maximum supported version for the feature.

_tagged_fields
The tagged fields

1

finalized_features_epoch

The monotonically increasing epoch for the finalized features information. Valid values are ≥ 0 . A value of -1 is special and represents unknown epoch.

2

finalized_features

List of cluster-wide finalized features. The information is valid only if FinalizedFeaturesEpoch ≥ 0 .

FIELD	DESCRIPTION
name	The name of the feature.

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
					level for the feature.	
				min_version_level	The cluster-wide finalized min version level for the feature.	
				_tagged_fields	The tagged fields	
	3	zk_migration_ready			Set by a KRaft controller if the required configurations for ZK migration are present.	

```
ApiVersions Response (Version: 4) => error_code [api_keys] throttle_time_ms
error_code => INT16
api_keys => api_key min_version max_version _tagged_fields
api_key => INT16
min_version => INT16
max_version => INT16
throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION
error_code	The top-level error code.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

max_version	The maximum supported version, inclusive.																	
_tagged_fields	The tagged fields																	
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.																	
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0</td><td>supported_features</td><td>Features supported by the broker. Note: in v0-v3, features with MinSupportedVersion = 0 are omitted.</td></tr><tr><td></td><td>name</td><td>The name of the feature.</td></tr><tr><td></td><td>min_version</td><td>The minimum supported version for the feature.</td></tr><tr><td></td><td>max_version</td><td>The maximum supported version for the feature.</td></tr></tbody></table>			TAG	TAGGED FIELD	DESCRIPTION	0	supported_features	Features supported by the broker. Note: in v0-v3, features with MinSupportedVersion = 0 are omitted.		name	The name of the feature.		min_version	The minimum supported version for the feature.		max_version	The maximum supported version for the feature.
TAG	TAGGED FIELD	DESCRIPTION																
0	supported_features	Features supported by the broker. Note: in v0-v3, features with MinSupportedVersion = 0 are omitted.																
	name	The name of the feature.																
	min_version	The minimum supported version for the feature.																
	max_version	The maximum supported version for the feature.																
TAG	TAGGED FIELD	DESCRIPTION																
0	supported_features	Features supported by the broker. Note: in v0-v3, features with MinSupportedVersion = 0 are omitted.																
	name	The name of the feature.																
	min_version	The minimum supported version for the feature.																
	max_version	The maximum supported version for the feature.																

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

1	finalized_features_epoch	The monotonically increasing epoch for the finalized features information. Valid values are ≥ 0 . A value of -1 is special and represents unknown epoch.
---	--------------------------	---

2	finalized_features	List of cluster-wide finalized features. The information is valid only if FinalizedFeaturesEpoch ≥ 0 .
---	--------------------	---

FIELD	DESCRIPTION
-------	-------------

name	The name of the feature.
------	--------------------------

max_version_level	The cluster-wide finalized max version level for the feature.
-------------------	---

min_version_level	The cluster-wide finalized min version level for the feature.
-------------------	---

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA
	3		zk_migration_ready		Set by a KRaft controller if the required configurations for ZK migration are present.

CreateTopics API (Key: 19):

Requests:

```
CreateTopics Request (Version: 2) => [topics] timeout_ms validate_only
    topics => name num_partitions replication_factor [assignments] [configs]
        name => STRING
        num_partitions => INT32
        replication_factor => INT16
        assignments => partition_index [broker_ids]
            partition_index => INT32
            broker_ids => INT32
        configs => name value
            name => STRING
            value => NULLABLE_STRING
        timeout_ms => INT32
        validate_only => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to create.
name	The topic name.
num_partitions	The number of partitions to create in the topic, or

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

replication_factor	partition in the topic, or -1 if we are either specifying a manual partition assignment or using the default replication factor.
assignments	The manual partition assignment, or the empty array if we are using automatic assignment.
partition_index	The partition index.
broker_ids	The brokers to place the partition on.
configs	The custom topic configurations to set.
name	The configuration name.
value	The configuration value.
timeout_ms	How long to wait in milliseconds before timing out the request.
validate_only	If true, check that the topics can be created as specified, but don't create anything.

```
CreateTopics Request (Version: 3) => [topics] timeout_ms validate_only
topics => name num_partitions replication_factor [assignments] [configs]
  name => STRING
  num_partitions => INT32
  replication_factor => INT16
  assignments => partition_index [broker_ids]
    partition_index => INT32
    broker_ids => INT32
  configs => name value
    name => STRING
    value => NULLABLE_STRING
  timeout_ms => INT32
  validate_only => BOOLEAN
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

topics	The topics to create.
name	The topic name.
num_partitions	The number of partitions to create in the topic, or -1 if we are either specifying a manual partition assignment or using the default partitions.
replication_factor	The number of replicas to create for each partition in the topic, or -1 if we are either specifying a manual partition assignment or using the default replication factor.
assignments	The manual partition assignment, or the empty array if we are using automatic assignment.
partition_index	The partition index.
broker_ids	The brokers to place the partition on.
configs	The custom topic configurations to set.
name	The configuration name.
value	The configuration value.
timeout_ms	How long to wait in milliseconds before timing out the request.
validate_only	If true, check that the topics can be created as specified, but don't create anything.

```
CreateTopics Request (Version: 4) => [topics] timeout_ms validate_only
topics => name num_partitions replication_factor [assignments] [configs]
name => STRING
num_partitions => INT32
replication_factor => INT16
assignments => partition_index [broker_ids]
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

value => NULLABLE_STRING
timeout_ms => INT32
validate_only => BOOLEAN

Request header version: 1

FIELD	DESCRIPTION
topics	The topics to create.
name	The topic name.
num_partitions	The number of partitions to create in the topic, or -1 if we are either specifying a manual partition assignment or using the default partitions.
replication_factor	The number of replicas to create for each partition in the topic, or -1 if we are either specifying a manual partition assignment or using the default replication factor.
assignments	The manual partition assignment, or the empty array if we are using automatic assignment.
partition_index	The partition index.
broker_ids	The brokers to place the partition on.
configs	The custom topic configurations to set.
name	The configuration name.
value	The configuration value.
timeout_ms	How long to wait in milliseconds before timing out the request.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
CreateTopics Request (version: 5) => [topics] timeout_ms validate_only _tag
topics => name num_partitions replication_factor [assignments] [configs]
name => COMPACT_STRING
num_partitions => INT32
replication_factor => INT16
assignments => partition_index [broker_ids] _tagged_fields
partition_index => INT32
broker_ids => INT32
configs => name value _tagged_fields
name => COMPACT_STRING
value => COMPACT_NULLABLE_STRING
timeout_ms => INT32
validate_only => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to create.
name	The topic name.
num_partitions	The number of partitions to create in the topic, or -1 if we are either specifying a manual partition assignment or using the default partitions.
replication_factor	The number of replicas to create for each partition in the topic, or -1 if we are either specifying a manual partition assignment or using the default replication factor.
assignments	The manual partition assignment, or the empty array if we are using automatic assignment.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

configs	The custom topic configurations to set.
name	The configuration name.
value	The configuration value.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
timeout_ms	How long to wait in milliseconds before timing out the request.
validate_only	If true, check that the topics can be created as specified, but don't create anything.
_tagged_fields	The tagged fields

```
CreateTopics Request (Version: 6) => [topics] timeout_ms validate_only _tag
topics => name num_partitions replication_factor [assignments] [configs]
  name => COMPACT_STRING
  num_partitions => INT32
  replication_factor => INT16
  assignments => partition_index [broker_ids] _tagged_fields
    partition_index => INT32
    broker_ids => INT32
  configs => name value _tagged_fields
    name => COMPACT_STRING
    value => COMPACT_NULLABLE_STRING
  timeout_ms => INT32
  validate_only => BOOLEAN
```

Request header version: 2

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

name	the topic name.
num_partitions	The number of partitions to create in the topic, or -1 if we are either specifying a manual partition assignment or using the default partitions.
replication_factor	The number of replicas to create for each partition in the topic, or -1 if we are either specifying a manual partition assignment or using the default replication factor.
assignments	The manual partition assignment, or the empty array if we are using automatic assignment.
partition_index	The partition index.
broker_ids	The brokers to place the partition on.
_tagged_fields	The tagged fields
configs	The custom topic configurations to set.
name	The configuration name.
value	The configuration value.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
timeout_ms	How long to wait in milliseconds before timing out the request.
validate_only	If true, check that the topics can be created as specified, but don't create anything.
_tagged_fields	The tagged fields

```
CreateTopics Request (Version: 7) => [topics] timeout_ms validate_only _tag
topics => name num_partitions replication_factor [assignments] [configs]
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
partition_index => INT32
broker_ids => INT32
configs => name value _tagged_fields
  name => COMPACT_STRING
  value => COMPACT_NULLABLE_STRING
timeout_ms => INT32
validate_only => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to create.
name	The topic name.
num_partitions	The number of partitions to create in the topic, or -1 if we are either specifying a manual partition assignment or using the default partitions.
replication_factor	The number of replicas to create for each partition in the topic, or -1 if we are either specifying a manual partition assignment or using the default replication factor.
assignments	The manual partition assignment, or the empty array if we are using automatic assignment.
partition_index	The partition index.
broker_ids	The brokers to place the partition on.
_tagged_fields	The tagged fields
configs	The custom topic configurations to set.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

_tagged_fields	The tagged fields
timeout_ms	How long to wait in milliseconds before timing out the request.
validate_only	If true, check that the topics can be created as specified, but don't create anything.
_tagged_fields	The tagged fields

Responses:

```
CreateTopics Response (Version: 2) => throttle_time_ms [topics]
```

```
throttle_time_ms => INT32
topics => name error_code error_message
  name => STRING
  error_code => INT16
  error_message => NULLABLE_STRING
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Results for each topic we tried to create.
name	The topic name.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
name => STRING
error_code => INT16
error_message => NULLABLE_STRING
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Results for each topic we tried to create.
name	The topic name.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.

```
CreateTopics Response (Version: 4) => throttle_time_ms [topics]
throttle_time_ms => INT32
topics => name error_code error_message
name => STRING
error_code => INT16
error_message => NULLABLE_STRING
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.

```
CreateTopics Response (Version: 5) => throttle_time_ms [topics] _tagged_file
throttle_time_ms => INT32
topics => name error_code error_message num_partitions replication_factor
name => COMPACT_STRING
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
num_partitions => INT32
replication_factor => INT16
configs => name value read_only config_source is_sensitive _tagged_file
name => COMPACT_STRING
value => COMPACT_NULLABLE_STRING
read_only => BOOLEAN
config_source => INT8
is_sensitive => BOOLEAN
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Results for each topic we tried to create.
name	The topic name.
error_code	The error code, or 0 if there was no error.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

configs	Configuration of the topic.		
name	The configuration name.		
value	The configuration value.		
read_only	True if the configuration is read-only.		
config_source	The configuration source.		
is_sensitive	True if this configuration is sensitive.		
_tagged_fields	The tagged fields		
_tagged_fields	TAG	TAGGED FIELD	DESCRIPTION
	0	topic_config_error_code	Optional topic config error returned if configs are not returned in the response.
_tagged_fields	The tagged fields		

```
CreateTopics Response (Version: 6) => throttle_time_ms [topics] _tagged_file
throttle_time_ms => INT32
topics => name error_code error_message num_partitions replication_factor
name => COMPACT_STRING
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
num_partitions => INT32
replication_factor => INT16
configs => name value read_only config_source is_sensitive _tagged_file
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

is_sensitive => BOOLEAN

Response header version: 1

FIELD	DESCRIPTION					
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.					
topics	Results for each topic we tried to create.					
name	The topic name.					
error_code	The error code, or 0 if there was no error.					
error_message	The error message, or null if there was no error.					
num_partitions	Number of partitions of the topic.					
replication_factor	Replication factor of the topic.					
configs	Configuration of the topic.					
name	The configuration name.					
value	The configuration value.					
read_only	True if the configuration is read-only.					
config_source	The configuration source.					
is_sensitive	True if this configuration is sensitive.					
_tagged_fields	The tagged fields					
_tagged_fields	<table border="1"><thead><tr><th>TAG</th><th>TAGGED FIELD</th><th>DESCRIPTION</th></tr></thead></table>	TAG	TAGGED FIELD	DESCRIPTION		
TAG	TAGGED FIELD	DESCRIPTION				

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	KAFKA	OAD
					The response is returned in the following fields:	
_tagged_fields	The tagged fields					

```
CreateTopics Response (Version: 7) => throttle_time_ms [topics] _tagged_file  
throttle_time_ms => INT32  
topics => name topic_id error_code error_message num_partitions replicati  
name => COMPACT_STRING  
topic_id => UUID  
error_code => INT16  
error_message => COMPACT_NULLABLE_STRING  
num_partitions => INT32  
replication_factor => INT16  
configs => name value read_only config_source is_sensitive _tagged_fiel  
name => COMPACT_STRING  
value => COMPACT_NULLABLE_STRING  
read_only => BOOLEAN  
config_source => INT8  
is_sensitive => BOOLEAN
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Results for each topic we tried to create.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_message	The error message, or null if there was no error.		
num_partitions	Number of partitions of the topic.		
replication_factor	Replication factor of the topic.		
configs	Configuration of the topic.		
name	The configuration name.		
value	The configuration value.		
read_only	True if the configuration is read-only.		
config_source	The configuration source.		
is_sensitive	True if this configuration is sensitive.		
_tagged_fields	The tagged fields		
_tagged_fields	TAG	TAGGED FIELD	DESCRIPTION
	0	topic_config_error_code	Optional topic config error returned if configs are not returned in the response.
_tagged_fields	The tagged fields		

DeleteTopics API (Key: 20):

Requests:

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 1

FIELD	DESCRIPTION
topic_names	The names of the topics to delete.
timeout_ms	The length of time in milliseconds to wait for the deletions to complete.

DeleteTopics Request (Version: 2) => [topic_names] timeout_ms

topic_names => STRING

timeout_ms => INT32

Request header version: 1

FIELD	DESCRIPTION
topic_names	The names of the topics to delete.
timeout_ms	The length of time in milliseconds to wait for the deletions to complete.

DeleteTopics Request (Version: 3) => [topic_names] timeout_ms

topic_names => STRING

timeout_ms => INT32

Request header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

DeleteTopics Request (Version: 4) => [topic_names] timeout_ms _tagged_field
topic_names => COMPACT_STRING
timeout_ms => INT32

Request header version: 2

FIELD	DESCRIPTION
topic_names	The names of the topics to delete.
timeout_ms	The length of time in milliseconds to wait for the deletions to complete.
_tagged_fields	The tagged fields

DeleteTopics Request (Version: 5) => [topic_names] timeout_ms _tagged_field
topic_names => COMPACT_STRING
timeout_ms => INT32

Request header version: 2

FIELD	DESCRIPTION
topic_names	The names of the topics to delete.
timeout_ms	The length of time in milliseconds to wait for the deletions to complete.
_tagged_fields	The tagged fields

DeleteTopics Request (Version: 6) => [topics] timeout_ms _tagged_fields
topics => name topic_id _tagged_fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 2

FIELD	DESCRIPTION
topics	The name or topic ID of the topic.
name	The topic name.
topic_id	The unique topic ID.
_tagged_fields	The tagged fields
timeout_ms	The length of time in milliseconds to wait for the deletions to complete.
_tagged_fields	The tagged fields

Responses:

```
DeleteTopics Response (Version: 1) => throttle_time_ms [responses]
    throttle_time_ms => INT32
    responses => name error_code
        name => STRING
        error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The results for each topic we tried to delete.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

DeleteTopics Response (Version: 2) => throttle_time_ms [responses]

throttle_time_ms => INT32
responses => name error_code
name => STRING
error_code => INT16

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The results for each topic we tried to delete.
name	The topic name.
error_code	The deletion error, or 0 if the deletion succeeded.

DeleteTopics Response (Version: 3) => throttle_time_ms [responses]

throttle_time_ms => INT32
responses => name error_code
name => STRING
error_code => INT16

Response header version: 0

FIELD	DESCRIPTION
-------	-------------

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

responses	The results for each topic we tried to delete.
name	The topic name.
error_code	The deletion error, or 0 if the deletion succeeded.

```
DeleteTopics Response (Version: 4) => throttle_time_ms [responses] _tagged_
    throttle_time_ms => INT32
    responses => name error_code _tagged_fields
        name => COMPACT_STRING
        error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The results for each topic we tried to delete.
name	The topic name.
error_code	The deletion error, or 0 if the deletion succeeded.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
DeleteTopics Response (Version: 5) => throttle_time_ms [responses] _tagged_
    throttle_time_ms => INT32
    responses => name error_code error_message _tagged_fields
        name => COMPACT_STRING
        error_code => INT16
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The results for each topic we tried to delete.
name	The topic name.
error_code	The deletion error, or 0 if the deletion succeeded.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
DeleteTopics Response (Version: 6) => throttle_time_ms [responses] _tagged_
    throttle_time_ms => INT32
    responses => name topic_id error_code error_message _tagged_fields
        name => COMPACT_NULLABLE_STRING
        topic_id => UUID
        error_code => INT16
        error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The results for each topic we tried to delete.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DeleteRecords API (Key: 21):

Requests:

```
DeleteRecords Request (Version: 0) => [topics] timeout_ms
topics => name [partitions]
    name => STRING
    partitions => partition_index offset
        partition_index => INT32
        offset => INT64
    timeout_ms => INT32
```

Request header version: 1

FIELD	DESCRIPTION
topics	Each topic that we want to delete records from.
name	The topic name.
partitions	Each partition that we want to delete records from.
partition_index	The partition index.
offset	The deletion offset.
timeout_ms	How long to wait for the deletion to complete, in

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
topics => name [partitions]
    name => STRING
    partitions => partition_index offset
        partition_index => INT32
        offset => INT64
    timeout_ms => INT32
```

Request header version: 1

FIELD	DESCRIPTION
topics	Each topic that we want to delete records from.
name	The topic name.
partitions	Each partition that we want to delete records from.
partition_index	The partition index.
offset	The deletion offset.
timeout_ms	How long to wait for the deletion to complete, in milliseconds.

```
DeleteRecords Request (Version: 2) => [topics] timeout_ms _tagged_fields
    topics => name [partitions] _tagged_fields
        name => COMPACT_STRING
        partitions => partition_index offset _tagged_fields
            partition_index => INT32
            offset => INT64
        timeout_ms => INT32
```

Request header version: 2

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

name	the topic name.
partitions	Each partition that we want to delete records from.
partition_index	The partition index.
offset	The deletion offset.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
timeout_ms	How long to wait for the deletion to complete, in milliseconds.
_tagged_fields	The tagged fields

Responses:

```
DeleteRecords Response (Version: 0) => throttle_time_ms [topics]
    throttle_time_ms => INT32
    topics => name [partitions]
        name => STRING
        partitions => partition_index low_watermark error_code
            partition_index => INT32
            low_watermark => INT64
            error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>partitions</code>	from.
<code>partition_index</code>	The partition index.
<code>low_watermark</code>	The partition low water mark.
<code>error_code</code>	The deletion error code, or 0 if the deletion succeeded.

```
DeleteRecords Response (Version: 1) => throttle_time_ms [topics]
```

```
    throttle_time_ms => INT32
```

```
    topics => name [partitions]
```

```
        name => STRING
```

```
        partitions => partition_index low_watermark error_code
```

```
            partition_index => INT32
```

```
            low_watermark => INT64
```

```
            error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
<code>throttle_time_ms</code>	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
<code>topics</code>	Each topic that we wanted to delete records from.
<code>name</code>	The topic name.
<code>partitions</code>	Each partition that we wanted to delete records from.
<code>partition_index</code>	The partition index.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
DeleteRecords Response (Version: 2) => throttle_time_ms [topics] _tagged_fields
throttle_time_ms => INT32
topics => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => partition_index low_watermark error_code _tagged_fields
partition_index => INT32
low_watermark => INT64
error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic that we wanted to delete records from.
name	The topic name.
partitions	Each partition that we wanted to delete records from.
partition_index	The partition index.
low_watermark	The partition low water mark.
error_code	The deletion error code, or 0 if the deletion succeeded.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Requests:

```
InitProducerId Request (Version: 0) => transactional_id transaction_timeout
transactional_id => NULLABLE_STRING
transaction_timeout_ms => INT32
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The transactional id, or null if the producer is not transactional.
transaction_timeout_ms	The time in ms to wait before aborting idle transactions sent by this producer. This is only relevant if a TransactionalId has been defined.

```
InitProducerId Request (Version: 1) => transactional_id transaction_timeout
transactional_id => NULLABLE_STRING
transaction_timeout_ms => INT32
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The transactional id, or null if the producer is not transactional.
transaction_timeout_ms	The time in ms to wait before aborting idle transactions sent by this producer. This is only relevant if a TransactionalId has been defined.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional id, or null if the producer is not transactional.
transaction_timeout_ms	The time in ms to wait before aborting idle transactions sent by this producer. This is only relevant if a TransactionalId has been defined.
_tagged_fields	The tagged fields

```
InitProducerId Request (Version: 3) => transactional_id transaction_timeout
transactional_id => COMPACT_NULLABLE_STRING
transaction_timeout_ms => INT32
producer_id => INT64
producer_epoch => INT16
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional id, or null if the producer is not transactional.
transaction_timeout_ms	The time in ms to wait before aborting idle transactions sent by this producer. This is only relevant if a TransactionalId has been defined.
producer_id	The producer id. This is used to disambiguate requests if a transactional id is reused following

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

broker, and the request will return an error if they do not match.

[_tagged_fields](#)

The tagged fields

```
InitProducerId Request (Version: 4) => transactional_id transaction_timeout
transactional_id => COMPACT_NULLABLE_STRING
transaction_timeout_ms => INT32
producer_id => INT64
producer_epoch => INT16
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional id, or null if the producer is not transactional.
transaction_timeout_ms	The time in ms to wait before aborting idle transactions sent by this producer. This is only relevant if a TransactionalId has been defined.
producer_id	The producer id. This is used to disambiguate requests if a transactional id is reused following its expiration.
producer_epoch	The producer's current epoch. This will be checked against the producer epoch on the broker, and the request will return an error if they do not match.
_tagged_fields	The tagged fields

```
InitProducerId Request (Version: 5) => transactional_id transaction_timeout
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional id, or null if the producer is not transactional.
transaction_timeout_ms	The time in ms to wait before aborting idle transactions sent by this producer. This is only relevant if a TransactionalId has been defined.
producer_id	The producer id. This is used to disambiguate requests if a transactional id is reused following its expiration.
producer_epoch	The producer's current epoch. This will be checked against the producer epoch on the broker, and the request will return an error if they do not match.
_tagged_fields	The tagged fields

```
InitProducerId Request (Version: 6) => transactional_id transaction_timeout
transactional_id => COMPACT_NULLABLE_STRING
transaction_timeout_ms => INT32
producer_id => INT64
producer_epoch => INT16
enable2_pc => BOOLEAN
keep_prepared_txn => BOOLEAN
```

This version of the request is unstable.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

transactional_id	The transactional id, or null if the producer is not transactional.
transaction_timeout_ms	The time in ms to wait before aborting idle transactions sent by this producer. This is only relevant if a TransactionalId has been defined.
producer_id	The producer id. This is used to disambiguate requests if a transactional id is reused following its expiration.
producer_epoch	The producer's current epoch. This will be checked against the producer epoch on the broker, and the request will return an error if they do not match.
enable2_pc	True if the client wants to enable two-phase commit (2PC) protocol for transactions.
keep_prepared_txn	True if the client wants to keep the currently ongoing transaction instead of aborting it.
_tagged_fields	The tagged fields

Responses:

```
InitProducerId Response (Version: 0) => throttle_time_ms error_code produce
throttle_time_ms => INT32
error_code => INT16
producer_id => INT64
producer_epoch => INT16
```

Response header version: 0

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
producer_id	The current producer id.
producer_epoch	The current epoch associated with the producer id.

```
InitProducerId Response (Version: 1) => throttle_time_ms error_code produce
    throttle_time_ms => INT32
    error_code => INT16
    producer_id => INT64
    producer_epoch => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
producer_id	The current producer id.
producer_epoch	The current epoch associated with the producer id.

```
InitProducerId Response (Version: 2) => throttle_time_ms error_code produce
    throttle_time_ms => INT32
    error_code => INT16
    producer_id => INT64
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
producer_id	The current producer id.
producer_epoch	The current epoch associated with the producer id.
_tagged_fields	The tagged fields

```
InitProducerId Response (Version: 3) => throttle_time_ms error_code produce
    throttle_time_ms => INT32
    error_code => INT16
    producer_id => INT64
    producer_epoch => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
producer_id	The current producer id.
producer_epoch	The current epoch associated with the producer id.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
throttle_time_ms => INT32
error_code => INT16
producer_id => INT64
producer_epoch => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
producer_id	The current producer id.
producer_epoch	The current epoch associated with the producer id.
_tagged_fields	The tagged fields

```
InitProducerId Response (Version: 5) => throttle_time_ms error_code produce
throttle_time_ms => INT32
error_code => INT16
producer_id => INT64
producer_epoch => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

producer_epoch	The current epoch associated with the producer id.
_tagged_fields	The tagged fields

```
InitProducerId Response (Version: 6) => throttle_time_ms error_code produce
    throttle_time_ms => INT32
    error_code => INT16
    producer_id => INT64
    producer_epoch => INT16
    ongoing_txn_producer_id => INT64
    ongoing_txn_producer_epoch => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
producer_id	The current producer id.
producer_epoch	The current epoch associated with the producer id.
ongoing_txn_producer_id	The producer id for ongoing transaction when KeepPreparedTxn is used, -1 if there is no transaction ongoing.
ongoing_txn_producer_epoch	The epoch associated with the producer id for ongoing transaction when KeepPreparedTxn is

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

OffsetForLeaderEpoch API (Key: 23):

Requests:

```
OffsetForLeaderEpoch Request (Version: 2) => [topics]
  topics => topic [partitions]
    topic => STRING
    partitions => partition current_leader_epoch leader_epoch
      partition => INT32
      current_leader_epoch => INT32
      leader_epoch => INT32
```

Request header version: 1

FIELD	DESCRIPTION
topics	Each topic to get offsets for.
topic	The topic name.
partitions	Each partition to get offsets for.
partition	The partition index.
current_leader_epoch	An epoch used to fence consumers/replicas with old metadata. If the epoch provided by the client is larger than the current epoch known to the broker, then the UNKNOWN_LEADER_EPOCH error code will be returned. If the provided epoch is smaller, then the FENCED_LEADER_EPOCH error code will be returned.
leader_epoch	The epoch to look up an offset for.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```

topic => STRING
partitions => partition current_leader_epoch leader_epoch
partition => INT32
current_leader_epoch => INT32
leader_epoch => INT32

```

Request header version: 1

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.
topics	Each topic to get offsets for.
topic	The topic name.
partitions	Each partition to get offsets for.
partition	The partition index.
current_leader_epoch	An epoch used to fence consumers/replicas with old metadata. If the epoch provided by the client is larger than the current epoch known to the broker, then the UNKNOWN_LEADER_EPOCH error code will be returned. If the provided epoch is smaller, then the FENCED_LEADER_EPOCH error code will be returned.
leader_epoch	The epoch to look up an offset for.

```

OffsetForLeaderEpoch Request (Version: 4) => replica_id [topics] _tagged_fields
replica_id => INT32
topics => topic [partitions] _tagged_fields

```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)`leader_epoch => INT32`**Request header version: 2**

FIELD	DESCRIPTION
replica_id	The broker ID of the follower, or -1 if this request is from a consumer.
topics	Each topic to get offsets for.
topic	The topic name.
partitions	Each partition to get offsets for.
partition	The partition index.
current_leader_epoch	An epoch used to fence consumers/replicas with old metadata. If the epoch provided by the client is larger than the current epoch known to the broker, then the UNKNOWN_LEADER_EPOCH error code will be returned. If the provided epoch is smaller, then the FENCED_LEADER_EPOCH error code will be returned.
leader_epoch	The epoch to look up an offset for.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:`OffsetForLeaderEpoch Response (Version: 2) => throttle_time_ms [topics]`

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_code => INT16
partition => INT32
leader_epoch => INT32
end_offset => INT64
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic we fetched offsets for.
topic	The topic name.
partitions	Each partition in the topic we fetched offsets for.
error_code	The error code 0, or if there was no error.
partition	The partition index.
leader_epoch	The leader epoch of the partition.
end_offset	The end offset of the epoch.

OffsetForLeaderEpoch Response (Version: 3) => throttle_time_ms [topics]

```
throttle_time_ms => INT32
```

```
topics => topic [partitions]
```

```
topic => STRING
```

```
partitions => error_code partition leader_epoch end_offset
```

```
error_code => INT16
```

```
partition => INT32
```

```
leader_epoch => INT32
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic we fetched offsets for.
topic	The topic name.
partitions	Each partition in the topic we fetched offsets for.
error_code	The error code 0, or if there was no error.
partition	The partition index.
leader_epoch	The leader epoch of the partition.
end_offset	The end offset of the epoch.

```
OffsetForLeaderEpoch Response (Version: 4) => throttle_time_ms [topics] _tagged_fields
    throttle_time_ms => INT32
    topics => topic [partitions] _tagged_fields
        topic => COMPACT_STRING
        partitions => error_code partition leader_epoch end_offset _tagged_fields
            error_code => INT16
            partition => INT32
            leader_epoch => INT32
            end_offset => INT64
```

Response header version: 1

FIELD	DESCRIPTION

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

topics	Each topic we fetched offsets for.
topic	The topic name.
partitions	Each partition in the topic we fetched offsets for.
error_code	The error code 0, or if there was no error.
partition	The partition index.
leader_epoch	The leader epoch of the partition.
end_offset	The end offset of the epoch.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

AddPartitionsToTxn API (Key: 24):

Requests:

```
AddPartitionsToTxn Request (Version: 0) => v3_and_below_transactional_id v3
v3_and_below_transactional_id => STRING
v3_and_below_producer_id => INT64
v3_and_below_producer_epoch => INT16
v3_and_below_topics => name [partitions]
  name => STRING
  partitions => INT32
```

Request header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

v3_and_below_producer_epoch	Current epoch associated with the producer id.
v3_and_below_topics	The partitions to add to the transaction.
name	The name of the topic.
partitions	The partition indexes to add to the transaction.

```
AddPartitionsToTxn Request (Version: 1) => v3_and_below_transactional_id v3
    v3_and_below_transactional_id => STRING
    v3_and_below_producer_id => INT64
    v3_and_below_producer_epoch => INT16
    v3_and_below_topics => name [partitions]
        name => STRING
        partitions => INT32
```

Request header version: 1

FIELD	DESCRIPTION
v3_and_below_transactional_id	The transactional id corresponding to the transaction.
v3_and_below_producer_id	Current producer id in use by the transactional id.
v3_and_below_producer_epoch	Current epoch associated with the producer id.
v3_and_below_topics	The partitions to add to the transaction.
name	The name of the topic.
partitions	The partition indexes to add to the transaction.

```
AddPartitionsToTxn Request (Version: 2) => v3_and_below_transactional_id v3
    v3_and_below_transactional_id => STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partitions => INT32

Request header version: 1

FIELD	DESCRIPTION
v3_and_below_transactional_id	The transactional id corresponding to the transaction.
v3_and_below_producer_id	Current producer id in use by the transactional id.
v3_and_below_producer_epoch	Current epoch associated with the producer id.
v3_and_below_topics	The partitions to add to the transaction.
name	The name of the topic.
partitions	The partition indexes to add to the transaction.

AddPartitionsToTxn Request (Version: 3) => v3_and_below_transactional_id v3
v3_and_below_transactional_id => COMPACT_STRING
v3_and_below_producer_id => INT64
v3_and_below_producer_epoch => INT16
v3_and_below_topics => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => INT32

Request header version: 2

FIELD	DESCRIPTION
v3_and_below_transactional_id	The transactional id corresponding to the transaction.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

<code>name</code>	The name of the topic.
<code>partitions</code>	The partition indexes to add to the transaction.
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields

```
AddPartitionsToTxn Request (Version: 4) => [transactions] _tagged_fields
  transactions => transactional_id producer_id producer_epoch verify_only [
    transactional_id => COMPACT_STRING
    producer_id => INT64
    producer_epoch => INT16
    verify_only => BOOLEAN
    topics => name [partitions] _tagged_fields
      name => COMPACT_STRING
      partitions => INT32
```

Request header version: 2

FIELD	DESCRIPTION
<code>transactions</code>	List of transactions to add partitions to.
<code>transactional_id</code>	The transactional id corresponding to the transaction.
<code>producer_id</code>	Current producer id in use by the transactional id.
<code>producer_epoch</code>	Current epoch associated with the producer id.
<code>verify_only</code>	Boolean to signify if we want to check if the partition is in the transaction rather than add it.
<code>topics</code>	The partitions to add to the transaction.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
AddPartitionsToTxn Request (Version: 5) => [transactions] _tagged_fields
  transactions => transactional_id producer_id producer_epoch verify_only [
    transactional_id => COMPACT_STRING
    producer_id => INT64
    producer_epoch => INT16
    verify_only => BOOLEAN
  topics => name [partitions] _tagged_fields
    name => COMPACT_STRING
    partitions => INT32
```

Request header version: 2

FIELD	DESCRIPTION
transactions	List of transactions to add partitions to.
transactional_id	The transactional id corresponding to the transaction.
producer_id	Current producer id in use by the transactional id.
producer_epoch	Current epoch associated with the producer id.
verify_only	Boolean to signify if we want to check if the partition is in the transaction rather than add it.
topics	The partitions to add to the transaction.
name	The name of the topic.
partitions	The partition indexes to add to the transaction.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Responses:

```
AddPartitionsToTxn Response (Version: 0) => throttle_time_ms [results_by_to_throttle_time_ms => INT32
results_by_topic_v3_and_below => name [results_by_partition]
name => STRING
results_by_partition => partition_index partition_error_code
partition_index => INT32
partition_error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results_by_topic_v3_and_below	The results for each topic.
name	The topic name.
results_by_partition	The results for each partition.
partition_index	The partition indexes.
partition_error_code	The response error code.

```
AddPartitionsToTxn Response (Version: 1) => throttle_time_ms [results_by_to_throttle_time_ms => INT32
results_by_topic_v3_and_below => name [results_by_partition]
name => STRING
results_by_partition => partition_index partition_error_code
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results_by_topic_v3_and_below	The results for each topic.
name	The topic name.
results_by_partition	The results for each partition.
partition_index	The partition indexes.
partition_error_code	The response error code.

```
AddPartitionsToTxn Response (Version: 2) => throttle_time_ms [results_by_to
throttle_time_ms => INT32
results_by_topic_v3_and_below => name [results_by_partition]
name => STRING
results_by_partition => partition_index partition_error_code
partition_index => INT32
partition_error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results_by_topic_v3_and_below	The results for each topic.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_error_code

The response error code.

```
AddPartitionsToTxn Response (Version: 3) => throttle_time_ms [results_by_to
throttle_time_ms => INT32
results_by_topic_v3_and_below => name [results_by_partition] _tagged_field
name => COMPACT_STRING
results_by_partition => partition_index partition_error_code _tagged_field
partition_index => INT32
partition_error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results_by_topic_v3_and_below	The results for each topic.
name	The topic name.
results_by_partition	The results for each partition.
partition_index	The partition indexes.
partition_error_code	The response error code.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
AddPartitionsToTxn Response (Version: 4) => throttle_time_ms error_code [re
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
topic_results => name [results_by_partition] _tagged_fields
  name => COMPACT_STRING
  results_by_partition => partition_index partition_error_code _tagged_
    partition_index => INT32
    partition_error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The response top level error code.
results_by_transaction	Results categorized by transactional ID.
transactional_id	The transactional id corresponding to the transaction.
topic_results	The results for each topic.
name	The topic name.
results_by_partition	The results for each partition.
partition_index	The partition indexes.
partition_error_code	The response error code.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
results_by_transaction => transactional_id [topic_results] _tagged_fields
  transactional_id => COMPACT_STRING
  topic_results => name [results_by_partition] _tagged_fields
    name => COMPACT_STRING
  results_by_partition => partition_index partition_error_code _tagged_
    partition_index => INT32
    partition_error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The response top level error code.
results_by_transaction	Results categorized by transactional ID.
transactional_id	The transactional id corresponding to the transaction.
topic_results	The results for each topic.
name	The topic name.
results_by_partition	The results for each partition.
partition_index	The partition indexes.
partition_error_code	The response error code.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

AddOffsetsToTxn API (Key: 25):

Requests:

```
AddOffsetsToTxn Request (Version: 0) => transactional_id producer_id produc  
transactional_id => STRING  
producer_id => INT64  
producer_epoch => INT16  
group_id => STRING
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The transactional id corresponding to the transaction.
producer_id	Current producer id in use by the transactional id.
producer_epoch	Current epoch associated with the producer id.
group_id	The unique group identifier.

```
AddOffsetsToTxn Request (Version: 1) => transactional_id producer_id produc  
transactional_id => STRING  
producer_id => INT64  
producer_epoch => INT16  
group_id => STRING
```

Request header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

producer_epoch	Current epoch associated with the producer id.
group_id	The unique group identifier.

```
AddOffsetsToTxn Request (Version: 2) => transactional_id producer_id produc
transactional_id => STRING
producer_id => INT64
producer_epoch => INT16
group_id => STRING
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The transactional id corresponding to the transaction.
producer_id	Current producer id in use by the transactional id.
producer_epoch	Current epoch associated with the producer id.
group_id	The unique group identifier.

```
AddOffsetsToTxn Request (Version: 3) => transactional_id producer_id produc
transactional_id => COMPACT_STRING
producer_id => INT64
producer_epoch => INT16
group_id => COMPACT_STRING
```

Request header version: 2

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

producer_epoch	Current epoch associated with the producer id.
group_id	The unique group identifier.
_tagged_fields	The tagged fields

```
AddOffsetsToTxn Request (Version: 4) => transactional_id producer_id producer_epoch group_id
transactional_id => COMPACT_STRING
producer_id => INT64
producer_epoch => INT16
group_id => COMPACT_STRING
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The transactional id corresponding to the transaction.
producer_id	Current producer id in use by the transactional id.
producer_epoch	Current epoch associated with the producer id.
group_id	The unique group identifier.
_tagged_fields	The tagged fields

Responses:

```
AddOffsetsToTxn Response (Version: 0) => throttle_time_ms error_code
throttle_time_ms => INT32
error_code => INT16
```

Response header version: 0

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

the request did not violate any quota.

error_code

The response error code, or 0 if there was no error.

```
AddOffsetsToTxn Response (Version: 1) => throttle_time_ms error_code  
throttle_time_ms => INT32  
error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The response error code, or 0 if there was no error.

```
AddOffsetsToTxn Response (Version: 2) => throttle_time_ms error_code  
throttle_time_ms => INT32  
error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
AddOffsetsTxn Response (version: 3) => throttle_time_ms error_code _tagged_fields
throttle_time_ms => INT32
error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The response error code, or 0 if there was no error.
_tagged_fields	The tagged fields

```
AddOffsetsToTxn Response (Version: 4) => throttle_time_ms error_code _tagged_fields
throttle_time_ms => INT32
error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The response error code, or 0 if there was no error.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
EndTxn Request (Version: 0) => transactional_id producer_id producer_epoch
transactional_id => STRING
producer_id => INT64
producer_epoch => INT16
committed => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The ID of the transaction to end.
producer_id	The producer ID.
producer_epoch	The current epoch associated with the producer.
committed	True if the transaction was committed, false if it was aborted.

```
EndTxn Request (Version: 1) => transactional_id producer_id producer_epoch
transactional_id => STRING
producer_id => INT64
producer_epoch => INT16
committed => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The ID of the transaction to end.
producer_id	The producer ID.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
EndTxn Request (Version: 2) => transactional_id producer_id producer_epoch
transactional_id => STRING
producer_id => INT64
producer_epoch => INT16
committed => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The ID of the transaction to end.
producer_id	The producer ID.
producer_epoch	The current epoch associated with the producer.
committed	True if the transaction was committed, false if it was aborted.

```
EndTxn Request (Version: 3) => transactional_id producer_id producer_epoch
transactional_id => COMPACT_STRING
producer_id => INT64
producer_epoch => INT16
committed => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The ID of the transaction to end.
producer_id	The producer ID.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)[_tagged_fields](#)

The tagged fields

EndTxn Request (Version: 4) => transactional_id producer_id producer_epoch
transactional_id => COMPACT_STRING
producer_id => INT64
producer_epoch => INT16
committed => BOOLEAN

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The ID of the transaction to end.
producer_id	The producer ID.
producer_epoch	The current epoch associated with the producer.
committed	True if the transaction was committed, false if it was aborted.
_tagged_fields	The tagged fields

EndTxn Request (Version: 5) => transactional_id producer_id producer_epoch
transactional_id => COMPACT_STRING
producer_id => INT64
producer_epoch => INT16
committed => BOOLEAN

Request header version: 2

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

committed	True if the transaction was committed, false if it was aborted.
_tagged_fields	The tagged fields

Responses:

```
EndTxn Response (Version: 0) => throttle_time_ms error_code
    throttle_time_ms => INT32
    error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.

```
EndTxn Response (Version: 1) => throttle_time_ms error_code
    throttle_time_ms => INT32
    error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

EndTxn Response (Version: 2) => throttle_time_ms error_code

throttle_time_ms => INT32

error_code => INT16

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.

EndTxn Response (Version: 3) => throttle_time_ms error_code _tagged_fields

throttle_time_ms => INT32

error_code => INT16

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields

EndTxn Response (Version: 4) => throttle_time_ms error_code _tagged_fields

throttle_time_ms => INT32

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields

```
EndTxn Response (Version: 5) => throttle_time_ms error_code producer_id
    throttle_time_ms => INT32
    error_code => INT16
    producer_id => INT64
    producer_epoch => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
producer_id	The producer ID.
producer_epoch	The current epoch associated with the producer.
_tagged_fields	The tagged fields

WriteTxnMarkers API (Key: 27):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
producer_id => INT64
producer_epoch => INT16
transaction_result => BOOLEAN
topics => name [partition_indexes] _tagged_fields
    name => COMPACT_STRING
    partition_indexes => INT32
coordinator_epoch => INT32
```

Request header version: 2

FIELD	DESCRIPTION
markers	The transaction markers to be written.
producer_id	The current producer ID.
producer_epoch	The current epoch associated with the producer ID.
transaction_result	The result of the transaction to write to the partitions (false = ABORT, true = COMMIT).
topics	Each topic that we want to write transaction marker(s) for.
name	The topic name.
partition_indexes	The indexes of the partitions to write transaction markers for.
_tagged_fields	The tagged fields
coordinator_epoch	Epoch associated with the transaction state partition hosted by this transaction coordinator.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

`WriteTxnMarkers Response (Version: 1) => [markers] _tagged_fields`

`markers => producer_id [topics] _tagged_fields`

`producer_id => INT64`

`topics => name [partitions] _tagged_fields`

`name => COMPACT_STRING`

`partitions => partition_index error_code _tagged_fields`

`partition_index => INT32`

`error_code => INT16`

Response header version: 1

FIELD	DESCRIPTION
markers	The results for writing makers.
producer_id	The current producer ID in use by the transactional ID.
topics	The results by topic.
name	The topic name.
partitions	The results by partition.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields

TxnOffsetCommit API (Key: 28):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
transactional_id => STRING
group_id => STRING
producer_id => INT64
producer_epoch => INT16
topics => name [partitions]
    name => STRING
    partitions => partition_index committed_offset committed_metadata
        partition_index => INT32
        committed_offset => INT64
        committed_metadata => NULLABLE_STRING
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The ID of the transaction.
group_id	The ID of the group.
producer_id	The current producer ID in use by the transactional ID.
producer_epoch	The current epoch associated with the producer ID.
topics	Each topic that we want to commit offsets for.
name	The topic name.
partitions	The partitions inside the topic that we want to commit offsets for.
partition_index	The index of the partition within the topic.
committed_offset	The message offset to be committed.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
IXNUTTSETCOMMIT Request (version: 1) => transactional_id group_id producer_
transactional_id => STRING
group_id => STRING
producer_id => INT64
producer_epoch => INT16
topics => name [partitions]
    name => STRING
    partitions => partition_index committed_offset committed_metadata
        partition_index => INT32
        committed_offset => INT64
        committed_metadata => NULLABLE_STRING
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The ID of the transaction.
group_id	The ID of the group.
producer_id	The current producer ID in use by the transactional ID.
producer_epoch	The current epoch associated with the producer ID.
topics	Each topic that we want to commit offsets for.
name	The topic name.
partitions	The partitions inside the topic that we want to commit offsets for.
partition_index	The index of the partition within the topic.
committed_offset	The message offset to be committed.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
IXNUTTSETCOMMIT Request (version: 2) => transactional_id group_id producer_
transactional_id => STRING
group_id => STRING
producer_id => INT64
producer_epoch => INT16
topics => name [partitions]
    name => STRING
    partitions => partition_index committed_offset committed_leader_epoch c
        partition_index => INT32
        committed_offset => INT64
        committed_leader_epoch => INT32
        committed_metadata => NULLABLE_STRING
```

Request header version: 1

FIELD	DESCRIPTION
transactional_id	The ID of the transaction.
group_id	The ID of the group.
producer_id	The current producer ID in use by the transactional ID.
producer_epoch	The current epoch associated with the producer ID.
topics	Each topic that we want to commit offsets for.
name	The topic name.
partitions	The partitions inside the topic that we want to commit offsets for.
partition_index	The index of the partition within the topic.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

committed_metadata

keep.

```
TxnOffsetCommit Request (Version: 3) => transactional_id group_id producer_
transactional_id => COMPACT_STRING
group_id => COMPACT_STRING
producer_id => INT64
producer_epoch => INT16
generation_id => INT32
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
topics => name [partitions] _tagged_fields
    name => COMPACT_STRING
    partitions => partition_index committed_offset committed_leader_epoch c
        partition_index => INT32
        committed_offset => INT64
        committed_leader_epoch => INT32
        committed_metadata => COMPACT_NULLABLE_STRING
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The ID of the transaction.
group_id	The ID of the group.
producer_id	The current producer ID in use by the transactional ID.
producer_epoch	The current epoch associated with the producer ID.
generation_id	The generation of the consumer.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	provided by end user.
topics	Each topic that we want to commit offsets for.
name	The topic name.
partitions	The partitions inside the topic that we want to commit offsets for.
partition_index	The index of the partition within the topic.
committed_offset	The message offset to be committed.
committed_leader_epoch	The leader epoch of the last consumed record.
committed_metadata	Any associated metadata the client wants to keep.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
TxnOffsetCommit Request (Version: 4) => transactional_id group_id producer_
transactional_id => COMPACT_STRING
group_id => COMPACT_STRING
producer_id => INT64
producer_epoch => INT16
generation_id => INT32
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
topics => name [partitions] _tagged_fields
    name => COMPACT_STRING
    partitions => partition_index committed_offset committed_leader_epoch c
        partition_index => INT32
        committed_offset => INT64
```

Request Header Version: 2

FIELD	DESCRIPTION
transactional_id	The ID of the transaction.
group_id	The ID of the group.
producer_id	The current producer ID in use by the transactional ID.
producer_epoch	The current epoch associated with the producer ID.
generation_id	The generation of the consumer.
member_id	The member ID assigned by the group coordinator.
group_instance_id	The unique identifier of the consumer instance provided by end user.
topics	Each topic that we want to commit offsets for.
name	The topic name.
partitions	The partitions inside the topic that we want to commit offsets for.
partition_index	The index of the partition within the topic.
committed_offset	The message offset to be committed.
committed_leader_epoch	The leader epoch of the last consumed record.
committed_metadata	Any associated metadata the client wants to keep.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
transactional_id => COMPACT_STRING
group_id => COMPACT_STRING
producer_id => INT64
producer_epoch => INT16
generation_id => INT32
member_id => COMPACT_STRING
group_instance_id => COMPACT_NULLABLE_STRING
topics => name [partitions] _tagged_fields
    name => COMPACT_STRING
    partitions => partition_index committed_offset committed_leader_epoch c
        partition_index => INT32
        committed_offset => INT64
        committed_leader_epoch => INT32
        committed_metadata => COMPACT_NULLABLE_STRING
```

Request header version: 2

FIELD	DESCRIPTION
transactional_id	The ID of the transaction.
group_id	The ID of the group.
producer_id	The current producer ID in use by the transactional ID.
producer_epoch	The current epoch associated with the producer ID.
generation_id	The generation of the consumer.
member_id	The member ID assigned by the group coordinator.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>name</code>	The topic name.
<code>partitions</code>	The partitions inside the topic that we want to commit offsets for.
<code>partition_index</code>	The index of the partition within the topic.
<code>committed_offset</code>	The message offset to be committed.
<code>committed_leader_epoch</code>	The leader epoch of the last consumed record.
<code>committed_metadata</code>	Any associated metadata the client wants to keep.
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields

Responses:

```
TxnOffsetCommit Response (Version: 0) => throttle_time_ms [topics]
    throttle_time_ms => INT32
    topics => name [partitions]
        name => STRING
        partitions => partition_index error_code
            partition_index => INT32
            error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
<code>throttle_time_ms</code>	The duration in milliseconds for which the request was throttled due to a quota violation, or

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

```
TxnOffsetCommit Response (Version: 1) => throttle_time_ms [topics]
    throttle_time_ms => INT32
    topics => name [partitions]
        name => STRING
        partitions => partition_index error_code
            partition_index => INT32
            error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

```
TxnOffsetCommit Response (Version: 2) => throttle_time_ms [topics]
    throttle_time_ms => INT32
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

```
error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

```
TxnOffsetCommit Response (Version: 3) => throttle_time_ms [topics] _tagged_
    throttle_time_ms => INT32
    topics => name [partitions] _tagged_fields
        name => COMPACT_STRING
        partitions => partition_index error_code _tagged_fields
            partition_index => INT32
            error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>partitions</code>	The responses for each partition in the topic.
<code>partition_index</code>	The partition index.
<code>error_code</code>	The error code, or 0 if there was no error.
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields

```
TxnOffsetCommit Response (Version: 4) => throttle_time_ms [topics] _tagged_
throttle_time_ms => INT32
topics => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => partition_index error_code _tagged_fields
partition_index => INT32
error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
<code>throttle_time_ms</code>	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
<code>topics</code>	The responses for each topic.
<code>name</code>	The topic name.
<code>partitions</code>	The responses for each partition in the topic.
<code>partition_index</code>	The partition index.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)[_tagged_fields](#)

The tagged fields

```
TxnOffsetCommit Response (Version: 5) => throttle_time_ms [topics] _tagged_
    throttle_time_ms => INT32
    topics => name [partitions] _tagged_fields
        name => COMPACT_STRING
        partitions => partition_index error_code _tagged_fields
            partition_index => INT32
            error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	The responses for each topic.
name	The topic name.
partitions	The responses for each partition in the topic.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DescribeAcls API (Key: 29):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
resource_type_filter => INT8
resource_name_filter => NULLABLE_STRING
pattern_type_filter => INT8
principal_filter => NULLABLE_STRING
host_filter => NULLABLE_STRING
operation => INT8
permission_type => INT8
```

Request header version: 1

FIELD	DESCRIPTION
resource_type_filter	The resource type.
resource_name_filter	The resource name, or null to match any resource name.
pattern_type_filter	The resource pattern to match.
principal_filter	The principal to match, or null to match any principal.
host_filter	The host to match, or null to match any host.
operation	The operation to match.
permission_type	The permission type to match.

```
DescribeAcls Request (Version: 2) => resource_type_filter resource_name_fil
resource_type_filter => INT8
resource_name_filter => COMPACT_NULLABLE_STRING
pattern_type_filter => INT8
principal_filter => COMPACT_NULLABLE_STRING
host_filter => COMPACT_NULLABLE_STRING
operation => INT8
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
resource_type_filter	The resource type.
resource_name_filter	The resource name, or null to match any resource name.
pattern_type_filter	The resource pattern to match.
principal_filter	The principal to match, or null to match any principal.
host_filter	The host to match, or null to match any host.
operation	The operation to match.
permission_type	The permission type to match.
_tagged_fields	The tagged fields

```
DescribeAcls Request (Version: 3) => resource_type_filter resource_name_fil
  resource_type_filter => INT8
  resource_name_filter => COMPACT_NULLABLE_STRING
  pattern_type_filter => INT8
  principal_filter => COMPACT_NULLABLE_STRING
  host_filter => COMPACT_NULLABLE_STRING
  operation => INT8
  permission_type => INT8
```

Request header version: 2

FIELD	DESCRIPTION
resource_type_filter	The resource type.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

principal_filter	The principal to match, or null to match any principal.
host_filter	The host to match, or null to match any host.
operation	The operation to match.
permission_type	The permission type to match.
_tagged_fields	The tagged fields

Responses:

```
DescribeAcls Response (Version: 1) => throttle_time_ms error_code error_message
    throttle_time_ms => INT32
    error_code => INT16
    error_message => NULLABLE_STRING
    resources => resource_type resource_name pattern_type [acls]
        resource_type => INT8
        resource_name => STRING
        pattern_type => INT8
        acls => principal host operation permission_type
            principal => STRING
            host => STRING
            operation => INT8
            permission_type => INT8
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

resources	Each Resource that is referenced in an ACL.
resource_type	The resource type.
resource_name	The resource name.
pattern_type	The resource pattern type.
acls	The ACLs.
principal	The ACL principal.
host	The ACL host.
operation	The ACL operation.
permission_type	The ACL permission type.

```
DescribeAcls Response (Version: 2) => throttle_time_ms error_code error_mes
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
resources => resource_type resource_name pattern_type [acls] _tagged_fields
resource_type => INT8
resource_name => COMPACT_STRING
pattern_type => INT8
acls => principal host operation permission_type _tagged_fields
principal => COMPACT_STRING
host => COMPACT_STRING
operation => INT8
permission_type => INT8
```

Response header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
resources	Each Resource that is referenced in an ACL.
resource_type	The resource type.
resource_name	The resource name.
pattern_type	The resource pattern type.
acls	The ACLs.
principal	The ACL principal.
host	The ACL host.
operation	The ACL operation.
permission_type	The ACL permission type.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
DescribeAcls Response (Version: 3) => throttle_time_ms error_code error_message
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
resources => resource_type resource_name pattern_type [acls] _tagged_fields
resource_type => INT8
resource_name => COMPACT_STRING
pattern_type => INT8
acls => principal host operation permission_type _tagged_fields
principal => COMPACT_STRING
host => COMPACT_STRING
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response Header Version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
resources	Each Resource that is referenced in an ACL.
resource_type	The resource type.
resource_name	The resource name.
pattern_type	The resource pattern type.
acls	The ACLs.
principal	The ACL principal.
host	The ACL host.
operation	The ACL operation.
permission_type	The ACL permission type.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

CreateAcls API (Key: 30):

Requests:

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
resource_name => STRING
resource_pattern_type => INT8
principal => STRING
host => STRING
operation => INT8
permission_type => INT8
```

Request header version: 1

FIELD	DESCRIPTION
creations	The ACLs that we want to create.
resource_type	The type of the resource.
resource_name	The resource name for the ACL.
resource_pattern_type	The pattern type for the ACL.
principal	The principal for the ACL.
host	The host for the ACL.
operation	The operation type for the ACL (read, write, etc.).
permission_type	The permission type for the ACL (allow, deny, etc.).

```
CreateAcls Request (Version: 2) => [creations] _tagged_fields
creations => resource_type resource_name resource_pattern_type principal
resource_type => INT8
resource_name => COMPACT_STRING
resource_pattern_type => INT8
principal => COMPACT_STRING
host => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)**Request header version: 2**

FIELD	DESCRIPTION
creations	The ACLs that we want to create.
resource_type	The type of the resource.
resource_name	The resource name for the ACL.
resource_pattern_type	The pattern type for the ACL.
principal	The principal for the ACL.
host	The host for the ACL.
operation	The operation type for the ACL (read, write, etc.).
permission_type	The permission type for the ACL (allow, deny, etc.).
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

CreateAcls Request (Version: 3) => [creations] _tagged_fields

```
creations => resource_type resource_name resource_pattern_type principal  
resource_type => INT8  
resource_name => COMPACT_STRING  
resource_pattern_type => INT8  
principal => COMPACT_STRING  
host => COMPACT_STRING  
operation => INT8  
permission_type => INT8
```

Request header version: 2

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>resource_type</code>	The type of the resource.
<code>resource_name</code>	The resource name for the ACL.
<code>resource_pattern_type</code>	The pattern type for the ACL.
<code>principal</code>	The principal for the ACL.
<code>host</code>	The host for the ACL.
<code>operation</code>	The operation type for the ACL (read, write, etc.).
<code>permission_type</code>	The permission type for the ACL (allow, deny, etc.).
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields

Responses:

```
CreateAcls Response (Version: 1) => throttle_time_ms [results]
    throttle_time_ms => INT32
    results => error_code error_message
        error_code => INT16
        error_message => NULLABLE_STRING
```

Response header version: 0

FIELD	DESCRIPTION
<code>throttle_time_ms</code>	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
<code>results</code>	The results for each ACL creation.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

CreateAcls Response (Version: 2) => throttle_time_ms [results] _tagged_fields

throttle_time_ms => INT32

results => error_code error_message _tagged_fields

error_code => INT16

error_message => COMPACT_NULLABLE_STRING

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The results for each ACL creation.
error_code	The result error, or zero if there was no error.
error_message	The result message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

CreateAcls Response (Version: 3) => throttle_time_ms [results] _tagged_fields

throttle_time_ms => INT32

results => error_code error_message _tagged_fields

error_code => INT16

error_message => COMPACT_NULLABLE_STRING

Response header version: 1

FIELD	DESCRIPTION
-------	-------------

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

results	The results for each ACL creation.
error_code	The result error, or zero if there was no error.
error_message	The result message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DeleteAcls API (Key: 31):

Requests:

```
DeleteAcls Request (Version: 1) => [filters]
  filters => resource_type_filter resource_name_filter pattern_type_filter
    resource_type_filter => INT8
    resource_name_filter => NULLABLE_STRING
    pattern_type_filter => INT8
    principal_filter => NULLABLE_STRING
    host_filter => NULLABLE_STRING
    operation => INT8
    permission_type => INT8
```

Request header version: 1

FIELD	DESCRIPTION
filters	The filters to use when deleting ACLs.
resource_type_filter	The resource type.
resource_name_filter	The resource name.
pattern_type_filter	The pattern type.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

permission_type

The permission type.

```
DeleteAcls Request (Version: 2) => [filters] _tagged_fields
    filters => resource_type_filter resource_name_filter pattern_type_filter
    resource_type_filter => INT8
    resource_name_filter => COMPACT_NULLABLE_STRING
    pattern_type_filter => INT8
    principal_filter => COMPACT_NULLABLE_STRING
    host_filter => COMPACT_NULLABLE_STRING
    operation => INT8
    permission_type => INT8
```

Request header version: 2

FIELD	DESCRIPTION
filters	The filters to use when deleting ACLs.
resource_type_filter	The resource type.
resource_name_filter	The resource name.
pattern_type_filter	The pattern type.
principal_filter	The principal filter, or null to accept all principals.
host_filter	The host filter, or null to accept all hosts.
operation	The ACL operation.
permission_type	The permission type.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
resource_name_filter => COMPACT_NULLABLE_STRING
pattern_type_filter => INT8
principal_filter => COMPACT_NULLABLE_STRING
host_filter => COMPACT_NULLABLE_STRING
operation => INT8
permission_type => INT8
```

Request header version: 2

FIELD	DESCRIPTION
filters	The filters to use when deleting ACLs.
resource_type_filter	The resource type.
resource_name_filter	The resource name.
pattern_type_filter	The pattern type.
principal_filter	The principal filter, or null to accept all principals.
host_filter	The host filter, or null to accept all hosts.
operation	The ACL operation.
permission_type	The permission type.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
DeleteAcls Response (Version: 1) => throttle_time_ms [filter_results]
throttle_time_ms => INT32
filter_results => error_code error_message [matching_acls]
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_message => NULLABLE_STRING  
resource_type => INT8  
resource_name => STRING  
pattern_type => INT8  
principal => STRING  
host => STRING  
operation => INT8  
permission_type => INT8
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
filter_results	The results for each filter.
error_code	The error code, or 0 if the filter succeeded.
error_message	The error message, or null if the filter succeeded.
matching_acls	The ACLs which matched this filter.
error_code	The deletion error code, or 0 if the deletion succeeded.
error_message	The deletion error message, or null if the deletion succeeded.
resource_type	The ACL resource type.
resource_name	The ACL resource name.
pattern_type	The ACL resource pattern type.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

permission_type

The ACL permission type.

```
DeleteAcls Response (Version: 2) => throttle_time_ms [filter_results] _tagg
throttle_time_ms => INT32
filter_results => error_code error_message [matching_acls] _tagged_fields
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
matching_acls => error_code error_message resource_type resource_name p
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
resource_type => INT8
resource_name => COMPACT_STRING
pattern_type => INT8
principal => COMPACT_STRING
host => COMPACT_STRING
operation => INT8
permission_type => INT8
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
filter_results	The results for each filter.
error_code	The error code, or 0 if the filter succeeded.
error_message	The error message, or null if the filter succeeded.
matching_acls	The ACLs which matched this filter.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	succeeded.
resource_type	The ACL resource type.
resource_name	The ACL resource name.
pattern_type	The ACL resource pattern type.
principal	The ACL principal.
host	The ACL host.
operation	The ACL operation.
permission_type	The ACL permission type.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
DeleteAcls Response (Version: 3) => throttle_time_ms [filter_results] _tagg
throttle_time_ms => INT32
filter_results => error_code error_message [matching_acls] _tagged_fields
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
matching_acls => error_code error_message resource_type resource_name p
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
resource_type => INT8
resource_name => COMPACT_STRING
pattern_type => INT8
principal => COMPACT_STRING
host => COMPACT_STRING
operation => INT8
permission_type => INT8
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
filter_results	The results for each filter.
error_code	The error code, or 0 if the filter succeeded.
error_message	The error message, or null if the filter succeeded.
matching_acls	The ACLs which matched this filter.
error_code	The deletion error code, or 0 if the deletion succeeded.
error_message	The deletion error message, or null if the deletion succeeded.
resource_type	The ACL resource type.
resource_name	The ACL resource name.
pattern_type	The ACL resource pattern type.
principal	The ACL principal.
host	The ACL host.
operation	The ACL operation.
permission_type	The ACL permission type.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DescribeConfigs API (Key: 32):**Requests:**

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
resource_name => STRING  
configuration_keys => STRING  
include_synonyms => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
resources	The resources whose configurations we want to describe.
resource_type	The resource type.
resource_name	The resource name.
configuration_keys	The configuration keys to list, or null to list all configuration keys.
include_synonyms	True if we should include all synonyms.

```
DescribeConfigs Request (Version: 2) => [resources] include_synonyms  
resources => resource_type resource_name [configuration_keys]  
resource_type => INT8  
resource_name => STRING  
configuration_keys => STRING  
include_synonyms => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
resources	The resources whose configurations we want to describe.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

configuration_keys

configuration keys.

include_synonyms

True if we should include all synonyms.

```
DescribeConfigs Request (Version: 3) => [resources] include_synonyms includ
resources => resource_type resource_name [configuration_keys]
resource_type => INT8
resource_name => STRING
configuration_keys => STRING
include_synonyms => BOOLEAN
include_documentation => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
resources	The resources whose configurations we want to describe.
resource_type	The resource type.
resource_name	The resource name.
configuration_keys	The configuration keys to list, or null to list all configuration keys.
include_synonyms	True if we should include all synonyms.
include_documentation	True if we should include configuration documentation.

```
DescribeConfigs Request (Version: 4) => [resources] include_synonyms includ
resources => resource_type resource_name [configuration_keys] _tagged_fie
resource_type => INT8
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Request header version: 2

FIELD	DESCRIPTION
resources	The resources whose configurations we want to describe.
resource_type	The resource type.
resource_name	The resource name.
configuration_keys	The configuration keys to list, or null to list all configuration keys.
_tagged_fields	The tagged fields
include_synonyms	True if we should include all synonyms.
include_documentation	True if we should include configuration documentation.
_tagged_fields	The tagged fields

Responses:

```
DescribeConfigs Response (Version: 1) => throttle_time_ms [results]
throttle_time_ms => INT32
results => error_code error_message resource_type resource_name [configs]
error_code => INT16
error_message => NULLABLE_STRING
resource_type => INT8
resource_name => STRING
configs => name value read_only config_source is_sensitive [synonyms]
name => STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

synonyms => name value source

name => STRING

value => NULLABLE_STRING

source => INT8

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The results for each resource.
error_code	The error code, or 0 if we were able to successfully describe the configurations.
error_message	The error message, or null if we were able to successfully describe the configurations.
resource_type	The resource type.
resource_name	The resource name.
configs	Each listed configuration.
name	The configuration name.
value	The configuration value.
read_only	True if the configuration is read-only.
config_source	The configuration source.
is_sensitive	True if this configuration is sensitive.
synonyms	The synonyms for this configuration key.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
DescribeConfigs Response (Version: 2) => throttle_time_ms [results]
  throttle_time_ms => INT32
  results => error_code error_message resource_type resource_name [configs]
    error_code => INT16
    error_message => NULLABLE_STRING
    resource_type => INT8
    resource_name => STRING
  configs => name value read_only config_source is_sensitive [synonyms]
    name => STRING
    value => NULLABLE_STRING
    read_only => BOOLEAN
    config_source => INT8
    is_sensitive => BOOLEAN
    synonyms => name value source
      name => STRING
      value => NULLABLE_STRING
      source => INT8
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The results for each resource.
error_code	The error code, or 0 if we were able to successfully describe the configurations.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

resource_name	The resource name.
configs	Each listed configuration.
name	The configuration name.
value	The configuration value.
read_only	True if the configuration is read-only.
config_source	The configuration source.
is_sensitive	True if this configuration is sensitive.
synonyms	The synonyms for this configuration key.
name	The synonym name.
value	The synonym value.
source	The synonym source.

```
DescribeConfigs Response (Version: 3) => throttle_time_ms [results]
    throttle_time_ms => INT32
    results => error_code error_message resource_type resource_name [configs]
        error_code => INT16
        error_message => NULLABLE_STRING
        resource_type => INT8
        resource_name => STRING
        configs => name value read_only config_source is_sensitive [synonyms]
            name => STRING
            value => NULLABLE_STRING
            read_only => BOOLEAN
            config_source => INT8
            is_sensitive => BOOLEAN
            synonyms => name value source
                name => STRING
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The results for each resource.
error_code	The error code, or 0 if we were able to successfully describe the configurations.
error_message	The error message, or null if we were able to successfully describe the configurations.
resource_type	The resource type.
resource_name	The resource name.
configs	Each listed configuration.
name	The configuration name.
value	The configuration value.
read_only	True if the configuration is read-only.
config_source	The configuration source.
is_sensitive	True if this configuration is sensitive.
synonyms	The synonyms for this configuration key.
name	The synonym name.
value	The synonym value.
source	The synonym source.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)[documentation](#)

The configuration documentation.

```
DescribeConfigs Response (Version: 4) => throttle_time_ms [results] _tagged
throttle_time_ms => INT32
results => error_code error_message resource_type resource_name [configs]
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
resource_type => INT8
resource_name => COMPACT_STRING
configs => name value read_only config_source is_sensitive [synonyms] c
name => COMPACT_STRING
value => COMPACT_NULLABLE_STRING
read_only => BOOLEAN
config_source => INT8
is_sensitive => BOOLEAN
synonyms => name value source _tagged_fields
name => COMPACT_STRING
value => COMPACT_NULLABLE_STRING
source => INT8
config_type => INT8
documentation => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The results for each resource.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	successfully describe the configurations.
resource_type	The resource type.
resource_name	The resource name.
configs	Each listed configuration.
name	The configuration name.
value	The configuration value.
read_only	True if the configuration is read-only.
config_source	The configuration source.
is_sensitive	True if this configuration is sensitive.
synonyms	The synonyms for this configuration key.
name	The synonym name.
value	The synonym value.
source	The synonym source.
_tagged_fields	The tagged fields
config_type	The configuration data type. Type can be one of the following values - BOOLEAN, STRING, INT, SHORT, LONG, DOUBLE, LIST, CLASS, PASSWORD.
documentation	The configuration documentation.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

AlterConfigs API (Key: 33):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
resource_type => INT8
resource_name => STRING
configs => name value
  name => STRING
  value => NULLABLE_STRING
validate_only => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
resources	The updates for each resource.
resource_type	The resource type.
resource_name	The resource name.
configs	The configurations.
name	The configuration key name.
value	The value to set for the configuration key.
validate_only	True if we should validate the request, but not change the configurations.

```
AlterConfigs Request (Version: 1) => [resources] validate_only
  resources => resource_type resource_name [configs]
    resource_type => INT8
    resource_name => STRING
    configs => name value
      name => STRING
      value => NULLABLE_STRING
    validate_only => BOOLEAN
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

resources	The updates for each resource.
resource_type	The resource type.
resource_name	The resource name.
configs	The configurations.
name	The configuration key name.
value	The value to set for the configuration key.
validate_only	True if we should validate the request, but not change the configurations.

```
AlterConfigs Request (Version: 2) => [resources] validate_only _tagged_field
resources => resource_type resource_name [configs] _tagged_fields
    resource_type => INT8
    resource_name => COMPACT_STRING
    configs => name value _tagged_fields
        name => COMPACT_STRING
        value => COMPACT_NULLABLE_STRING
    validate_only => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
resources	The updates for each resource.
resource_type	The resource type.
resource_name	The resource name.
configs	The configurations.
name	The configuration key name.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

validate_only	True if we should validate the request, but not change the configurations.
_tagged_fields	The tagged fields

Responses:

```
AlterConfigs Response (Version: 0) => throttle_time_ms [responses]
    throttle_time_ms => INT32
    responses => error_code error_message resource_type resource_name
        error_code => INT16
        error_message => NULLABLE_STRING
        resource_type => INT8
        resource_name => STRING
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The responses for each resource.
error_code	The resource error code.
error_message	The resource error message, or null if there was no error.
resource_type	The resource type.
resource_name	The resource name.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_code => INT16
error_message => NULLABLE_STRING
resource_type => INT8
resource_name => STRING
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The responses for each resource.
error_code	The resource error code.
error_message	The resource error message, or null if there was no error.
resource_type	The resource type.
resource_name	The resource name.

```
AlterConfigs Response (Version: 2) => throttle_time_ms [responses] _tagged_
throttle_time_ms => INT32
responses => error_code error_message resource_type resource_name _tagged
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
resource_type => INT8
resource_name => COMPACT_STRING
```

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	the request did not violate any quota.
responses	The responses for each resource.
error_code	The resource error code.
error_message	The resource error message, or null if there was no error.
resource_type	The resource type.
resource_name	The resource name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

AlterReplicaLogDirs API (Key: 34):

Requests:

```
AlterReplicaLogDirs Request (Version: 1) => [dirs]
  dirs => path [topics]
    path => STRING
    topics => name [partitions]
      name => STRING
      partitions => INT32
```

Request header version: 1

FIELD	DESCRIPTION
dirs	The alterations to make for each directory.
path	The absolute directory path.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
AlterReplicaLogDirs Request (Version: 2) => [dirs] _tagged_fields
  dirs => path [topics] _tagged_fields
    path => COMPACT_STRING
    topics => name [partitions] _tagged_fields
      name => COMPACT_STRING
      partitions => INT32
```

Request header version: 2

FIELD	DESCRIPTION
dirs	The alterations to make for each directory.
path	The absolute directory path.
topics	The topics to add to the directory.
name	The topic name.
partitions	The partition indexes.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
AlterReplicaLogDirs Response (Version: 1) => throttle_time_ms [results]
  throttle_time_ms => INT32
  results => topic_name [partitions]
    topic_name => STRING
    partitions => partition_index error_code
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)[Response header version: 0](#)

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The results for each topic.
topic_name	The name of the topic.
partitions	The results for each partition.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

```

AlterReplicaLogDirs Response (Version: 2) => throttle_time_ms [results] _tagged_fields
throttle_time_ms => INT32
results => topic_name [partitions] _tagged_fields
topic_name => COMPACT_STRING
partitions => partition_index error_code _tagged_fields
partition_index => INT32
error_code => INT16

```

[Response header version: 1](#)

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The results for each topic.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DescribeLogDirs API (Key: 35):

Requests:

```
DescribeLogDirs Request (Version: 1) => [topics]
    topics => topic [partitions]
        topic => STRING
        partitions => INT32
```

Request header version: 1

FIELD	DESCRIPTION
topics	Each topic that we want to describe log directories for, or null for all topics.
topic	The topic name.
partitions	The partition indexes.

```
DescribeLogDirs Request (Version: 2) => [topics] _tagged_fields
    topics => topic [partitions] _tagged_fields
        topic => COMPACT_STRING
        partitions => INT32
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

topics	Each topic that we want to describe log directories for, or null for all topics.
topic	The topic name.
partitions	The partition indexes.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
DescribeLogDirs Request (Version: 3) => [topics] _tagged_fields
    topics => topic [partitions] _tagged_fields
        topic => COMPACT_STRING
        partitions => INT32
```

Request header version: 2

FIELD	DESCRIPTION
topics	Each topic that we want to describe log directories for, or null for all topics.
topic	The topic name.
partitions	The partition indexes.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
DescribeLogDirs Request (Version: 4) => [topics] _tagged_fields
    topics => topic [partitions] _tagged_fields
        topic => COMPACT_STRING
        partitions => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topics	Each topic that we want to describe log directories for, or null for all topics.
topic	The topic name.
partitions	The partition indexes.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
DescribeLogDirs Response (Version: 1) => throttle_time_ms [results]
    throttle_time_ms => INT32
    results => error_code log_dir [topics]
        error_code => INT16
        log_dir => STRING
        topics => name [partitions]
            name => STRING
            partitions => partition_index partition_size offset_lag is_future_key
                partition_index => INT32
                partition_size => INT64
                offset_lag => INT64
                is_future_key => BOOLEAN
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topics	The topics.
name	The topic name.
partitions	The partitions.
partition_index	The partition index.
partition_size	The size of the log segments in this partition in bytes.
offset_lag	The lag of the log's LEO w.r.t. partition's HW (if it is the current log for the partition) or current replica's LEO (if it is the future log for the partition).
is_future_key	True if this log is created by AlterReplicaLogDirsRequest and will replace the current log of the replica in the future.

```

DescribeLogDirs Response (Version: 2) => throttle_time_ms [results] _tagged
    throttle_time_ms => INT32
    results => error_code log_dir [topics] _tagged_fields
        error_code => INT16
        log_dir => COMPACT_STRING
        topics => name [partitions] _tagged_fields
            name => COMPACT_STRING
            partitions => partition_index partition_size offset_lag is_future_key
                partition_index => INT32
                partition_size => INT64
                offset_lag => INT64
                is_future_key => BOOLEAN

```

Response header version: 1

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	zero if the request did not violate any quota.
results	The log directories.
error_code	The error code, or 0 if there was no error.
log_dir	The absolute log directory path.
topics	The topics.
name	The topic name.
partitions	The partitions.
partition_index	The partition index.
partition_size	The size of the log segments in this partition in bytes.
offset_lag	The lag of the log's LEO w.r.t. partition's HW (if it is the current log for the partition) or current replica's LEO (if it is the future log for the partition).
is_future_key	True if this log is created by AlterReplicaLogDirsRequest and will replace the current log of the replica in the future.
_tagged_fields	The tagged fields

```
DescribeLogDirs Response (Version: 3) => throttle_time_ms error_code [result]
    throttle_time_ms => INT32
    error_code => INT16
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
name => COMPACT_STRING
partitions => partition_index partition_size offset_lag is_future_key
partition_index => INT32
partition_size => INT64
offset_lag => INT64
is_future_key => BOOLEAN
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
results	The log directories.
error_code	The error code, or 0 if there was no error.
log_dir	The absolute log directory path.
topics	The topics.
name	The topic name.
partitions	The partitions.
partition_index	The partition index.
partition_size	The size of the log segments in this partition in bytes.
offset_lag	The lag of the log's LEO w.r.t. partition's HW (if it is the current log for the partition) or current replica's LEO (if it is the future log for the

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Current log of the replica in the future.	
_tagged_fields	The tagged fields

```
DescribeLogDirs Response (Version: 4) => throttle_time_ms error_code [results]
  throttle_time_ms => INT32
  error_code => INT16
  results => error_code log_dir [topics] total_bytes usable_bytes _tagged_fields
    error_code => INT16
    log_dir => COMPACT_STRING
    topics => name [partitions] _tagged_fields
      name => COMPACT_STRING
      partitions => partition_index partition_size offset_lag is_future_key
        partition_index => INT32
        partition_size => INT64
        offset_lag => INT64
        is_future_key => BOOLEAN
      total_bytes => INT64
      usable_bytes => INT64
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

log_dir	The absolute log directory path.
topics	The topics.
name	The topic name.
partitions	The partitions.
partition_index	The partition index.
partition_size	The size of the log segments in this partition in bytes.
offset_lag	The lag of the log's LEO w.r.t. partition's HW (if it is the current log for the partition) or current replica's LEO (if it is the future log for the partition).
is_future_key	True if this log is created by AlterReplicaLogDirsRequest and will replace the current log of the replica in the future.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
total_bytes	The total size in bytes of the volume the log directory is in.
usable_bytes	The usable size in bytes of the volume the log directory is in.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

SaslAuthenticate API (Key: 36):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 1

FIELD	DESCRIPTION
auth_bytes	The SASL authentication bytes from the client, as defined by the SASL mechanism.

SaslAuthenticate Request (Version: 1) => auth_bytes

auth_bytes => BYTES

Request header version: 1

FIELD	DESCRIPTION
auth_bytes	The SASL authentication bytes from the client, as defined by the SASL mechanism.

SaslAuthenticate Request (Version: 2) => auth_bytes _tagged_fields

auth_bytes => COMPACT_BYTES

Request header version: 2

FIELD	DESCRIPTION
auth_bytes	The SASL authentication bytes from the client, as defined by the SASL mechanism.
_tagged_fields	The tagged fields

Responses:

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

auth_bytes => BYTES

Response header version: 0

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
auth_bytes	The SASL authentication bytes from the server, as defined by the SASL mechanism.

SaslAuthenticate Response (Version: 1) => error_code error_message auth_byt
error_code => INT16
error_message => NULLABLE_STRING
auth_bytes => BYTES
session_lifetime_ms => INT64

Response header version: 0

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
auth_bytes	The SASL authentication bytes from the server, as defined by the SASL mechanism.
session_lifetime_ms	Number of milliseconds after which only re-authentication over the existing connection to create a new session can occur.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

auth_bytes => COMPACT_BYTES
session_lifetime_ms => INT64

Response header version: 1

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
auth_bytes	The SASL authentication bytes from the server, as defined by the SASL mechanism.
session_lifetime_ms	Number of milliseconds after which only re-authentication over the existing connection to create a new session can occur.
_tagged_fields	The tagged fields

CreatePartitions API (Key: 37):

Requests:

CreatePartitions Request (Version: 0) => [topics] timeout_ms validate_only
topics => name count [assignments]
 name => STRING
 count => INT32
 assignments => [broker_ids]
 broker_ids => INT32
 timeout_ms => INT32
 validate_only => BOOLEAN

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topics	Each topic that we want to create new partitions inside.
name	The topic name.
count	The new partition count.
assignments	The new partition assignments.
broker_ids	The assigned broker IDs.
timeout_ms	The time in ms to wait for the partitions to be created.
validate_only	If true, then validate the request, but don't actually increase the number of partitions.

```
CreatePartitions Request (Version: 1) => [topics] timeout_ms validate_only
topics => name count [assignments]
    name => STRING
    count => INT32
    assignments => [broker_ids]
        broker_ids => INT32
    timeout_ms => INT32
    validate_only => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
topics	Each topic that we want to create new partitions inside.
name	The topic name.
count	The new partition count.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

timeout_ms	created.
validate_only	If true, then validate the request, but don't actually increase the number of partitions.

```
CreatePartitions Request (Version: 2) => [topics] timeout_ms validate_only
    topics => name count [assignments] _tagged_fields
        name => COMPACT_STRING
        count => INT32
        assignments => [broker_ids] _tagged_fields
            broker_ids => INT32
    timeout_ms => INT32
    validate_only => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
topics	Each topic that we want to create new partitions inside.
name	The topic name.
count	The new partition count.
assignments	The new partition assignments.
broker_ids	The assigned broker IDs.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
timeout_ms	The time in ms to wait for the partitions to be created.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
CreatePartitions Request (Version: 3) => [topics] timeout_ms validate_only
topics => name count [assignments] _tagged_fields
    name => COMPACT_STRING
    count => INT32
    assignments => [broker_ids] _tagged_fields
        broker_ids => INT32
    timeout_ms => INT32
    validate_only => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
topics	Each topic that we want to create new partitions inside.
name	The topic name.
count	The new partition count.
assignments	The new partition assignments.
broker_ids	The assigned broker IDs.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
timeout_ms	The time in ms to wait for the partitions to be created.
validate_only	If true, then validate the request, but don't actually increase the number of partitions.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
results => name error_code error_message
  name => STRING
  error_code => INT16
  error_message => NULLABLE_STRING
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The partition creation results for each topic.
name	The topic name.
error_code	The result error, or zero if there was no error.
error_message	The result message, or null if there was no error.

```
CreatePartitions Response (Version: 1) => throttle_time_ms [results]
  throttle_time_ms => INT32
  results => name error_code error_message
    name => STRING
    error_code => INT16
    error_message => NULLABLE_STRING
```

Response header version: 0

FIELD	DESCRIPTION
-------	-------------

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

results	The partition creation results for each topic.
name	The topic name.
error_code	The result error, or zero if there was no error.
error_message	The result message, or null if there was no error.

```
CreatePartitions Response (Version: 2) => throttle_time_ms [results] _tagged_fields
throttle_time_ms => INT32
results => name error_code error_message _tagged_fields
  name => COMPACT_STRING
  error_code => INT16
  error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The partition creation results for each topic.
name	The topic name.
error_code	The result error, or zero if there was no error.
error_message	The result message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
CreatePartitions Response (Version: 3) => throttle_time_ms [results] _tagged_fields
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The partition creation results for each topic.
name	The topic name.
error_code	The result error, or zero if there was no error.
error_message	The result message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

CreateDelegationToken API (Key: 38):

Requests:

```
CreateDelegationToken Request (Version: 1) => [renewers] max_lifetime_ms
    renewers => principal_type principal_name
        principal_type => STRING
        principal_name => STRING
    max_lifetime_ms => INT64
```

Request header version: 1

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

principal_type	The type of the Kafka principal.
principal_name	The name of the Kafka principal.
max_lifetime_ms	The maximum lifetime of the token in milliseconds, or -1 to use the server side default.

```
CreateDelegationToken Request (Version: 2) => [renewers] max_lifetime_ms _t
  renewers => principal_type principal_name _tagged_fields
    principal_type => COMPACT_STRING
    principal_name => COMPACT_STRING
  max_lifetime_ms => INT64
```

Request header version: 2

FIELD	DESCRIPTION
renewers	A list of those who are allowed to renew this token before it expires.
principal_type	The type of the Kafka principal.
principal_name	The name of the Kafka principal.
_tagged_fields	The tagged fields
max_lifetime_ms	The maximum lifetime of the token in milliseconds, or -1 to use the server side default.
_tagged_fields	The tagged fields

```
CreateDelegationToken Request (Version: 3) => owner_principal_type owner_pr
  owner_principal_type => COMPACT_NULLABLE_STRING
  owner_principal_name => COMPACT_NULLABLE_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 2

FIELD	DESCRIPTION
owner_principal_type	The principal type of the owner of the token. If it's null it defaults to the token request principal.
owner_principal_name	The principal name of the owner of the token. If it's null it defaults to the token request principal.
renewers	A list of those who are allowed to renew this token before it expires.
principal_type	The type of the Kafka principal.
principal_name	The name of the Kafka principal.
_tagged_fields	The tagged fields
max_lifetime_ms	The maximum lifetime of the token in milliseconds, or -1 to use the server side default.
_tagged_fields	The tagged fields

Responses:

```
CreateDelegationToken Response (Version: 1) => error_code principal_type pr  
error_code => INT16  
principal_type => STRING  
principal_name => STRING  
issue_timestamp_ms => INT64  
expiry_timestamp_ms => INT64  
max_timestamp_ms => INT64  
token_id => STRING
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)[Response header version: 1](#)

FIELD	DESCRIPTION
error_code	The top-level error, or zero if there was no error.
principal_type	The principal type of the token owner.
principal_name	The name of the token owner.
issue_timestamp_ms	When this token was generated.
expiry_timestamp_ms	When this token expires.
max_timestamp_ms	The maximum lifetime of this token.
token_id	The token UUID.
hmac	HMAC of the delegation token.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

```
CreateDelegationToken Response (Version: 2) => error_code principal_type pr  
error_code => INT16  
principal_type => COMPACT_STRING  
principal_name => COMPACT_STRING  
issue_timestamp_ms => INT64  
expiry_timestamp_ms => INT64  
max_timestamp_ms => INT64  
token_id => COMPACT_STRING  
hmac => COMPACT_BYTES  
throttle_time_ms => INT32
```

[Response header version: 1](#)

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>principal_type</code>	The principal type of the token owner.
<code>principal_name</code>	The name of the token owner.
<code>issue_timestamp_ms</code>	When this token was generated.
<code>expiry_timestamp_ms</code>	When this token expires.
<code>max_timestamp_ms</code>	The maximum lifetime of this token.
<code>token_id</code>	The token UUID.
<code>hmac</code>	HMAC of the delegation token.
<code>throttle_time_ms</code>	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
<code>_tagged_fields</code>	The tagged fields

```
CreateDelegationToken Response (Version: 3) => error_code principal_type
  error_code => INT16
  principal_type => COMPACT_STRING
  principal_name => COMPACT_STRING
  token_requester_principal_type => COMPACT_STRING
  token_requester_principal_name => COMPACT_STRING
  issue_timestamp_ms => INT64
  expiry_timestamp_ms => INT64
  max_timestamp_ms => INT64
  token_id => COMPACT_STRING
  hmac => COMPACT_BYTES
  throttle_time_ms => INT32
```

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>principal_type</code>	The principal type of the token owner.
<code>principal_name</code>	The name of the token owner.
<code>token_requester_principal_type</code>	The principal type of the requester of the token.
<code>token_requester_principal_name</code>	The principal type of the requester of the token.
<code>issue_timestamp_ms</code>	When this token was generated.
<code>expiry_timestamp_ms</code>	When this token expires.
<code>max_timestamp_ms</code>	The maximum lifetime of this token.
<code>token_id</code>	The token UUID.
<code>hmac</code>	HMAC of the delegation token.
<code>throttle_time_ms</code>	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
<code>_tagged_fields</code>	The tagged fields

RenewDelegationToken API (Key: 39):

Requests:

```
RenewDelegationToken Request (Version: 1) => hmac renew_period_ms
    hmac => BYTES
    renew_period_ms => INT64
```

Request header version: 1

FIELD	DESCRIPTION
<code>hmac</code>	The HMAC of the delegation token to be renewed.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)`hmac => LUMPACT_BYIES``renew_period_ms => INT64`

Request header version: 2

FIELD	DESCRIPTION
hmac	The HMAC of the delegation token to be renewed.
renew_period_ms	The renewal time period in milliseconds.
_tagged_fields	The tagged fields

Responses:

```
RenewDelegationToken Response (Version: 1) => error_code expiry_timestamp_ms  
error_code => INT16  
expiry_timestamp_ms => INT64  
throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
expiry_timestamp_ms	The timestamp in milliseconds at which this token expires.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)`throttle_time_ms => INT32`**Response header version: 1**

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
expiry_timestamp_ms	The timestamp in milliseconds at which this token expires.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
_tagged_fields	The tagged fields

ExpireDelegationToken API (Key: 40):

Requests:

```
ExpireDelegationToken Request (Version: 1) => hmac expiry_time_period_ms
    hmac => BYTES
    expiry_time_period_ms => INT64
```

Request header version: 1

FIELD	DESCRIPTION
hmac	The HMAC of the delegation token to be expired.
expiry_time_period_ms	The expiry time period in milliseconds.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 2

FIELD	DESCRIPTION
hmac	The HMAC of the delegation token to be expired.
expiry_time_period_ms	The expiry time period in milliseconds.
_tagged_fields	The tagged fields

Responses:

```
ExpireDelegationToken Response (Version: 1) => error_code expiry_timestamp_
error_code => INT16
expiry_timestamp_ms => INT64
throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
expiry_timestamp_ms	The timestamp in milliseconds at which this token expires.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

```
ExpireDelegationToken Response (Version: 2) => error_code expiry_timestamp_
error_code => INT16
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Response header version: 1

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
expiry_timestamp_ms	The timestamp in milliseconds at which this token expires.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
_tagged_fields	The tagged fields

DescribeDelegationToken API (Key: 41):

Requests:

```
DescribeDelegationToken Request (Version: 1) => [owners]
  owners => principal_type principal_name
    principal_type => STRING
    principal_name => STRING
```

Request header version: 1

FIELD	DESCRIPTION
owners	Each owner that we want to describe delegation tokens for, or null to describe all tokens.
principal_type	The owner principal type.
principal_name	The owner principal name.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

principal_name => COMPACT_STRING

Request header version: 2

FIELD	DESCRIPTION
owners	Each owner that we want to describe delegation tokens for, or null to describe all tokens.
principal_type	The owner principal type.
principal_name	The owner principal name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DescribeDelegationToken Request (Version: 3) => [owners] _tagged_fields
owners => principal_type principal_name _tagged_fields
principal_type => COMPACT_STRING
principal_name => COMPACT_STRING

Request header version: 2

FIELD	DESCRIPTION
owners	Each owner that we want to describe delegation tokens for, or null to describe all tokens.
principal_type	The owner principal type.
principal_name	The owner principal name.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
DescribeDelegationToken Response (Version: 1) => error_code [tokens] throttle_time_ms
error_code => INT16
tokens => principal_type principal_name issue_timestamp expiry_timestamp
principal_type => STRING
principal_name => STRING
issue_timestamp => INT64
expiry_timestamp => INT64
max_timestamp => INT64
token_id => STRING
hmac => BYTES
renewers => principal_type principal_name
principal_type => STRING
principal_name => STRING
throttle_time_ms => INT32
```

Response header version: 0

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
tokens	The tokens.
principal_type	The token principal type.
principal_name	The token principal name.
issue_timestamp	The token issue timestamp in milliseconds.
expiry_timestamp	The token expiry timestamp in milliseconds.
max_timestamp	The token maximum timestamp length in milliseconds.
token_id	The token ID.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

principal_type	The renewer principal type.
principal_name	The renewer principal name.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

```
DescribeDelegationToken Response (Version: 2) => error_code [tokens] throttle_time_ms
error_code => INT16
tokens => principal_type principal_name issue_timestamp expiry_timestamp
principal_type => COMPACT_STRING
principal_name => COMPACT_STRING
issue_timestamp => INT64
expiry_timestamp => INT64
max_timestamp => INT64
token_id => COMPACT_STRING
hmac => COMPACT_BYTES
renewers => principal_type principal_name _tagged_fields
principal_type => COMPACT_STRING
principal_name => COMPACT_STRING
throttle_time_ms => INT32
```

Response header version: 1

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
tokens	The tokens.
principal_type	The token principal type.
principal_name	The token principal name.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

max_timestamp	milliseconds.
token_id	The token ID.
hmac	The token HMAC.
renewers	Those who are able to renew this token before it expires.
principal_type	The renewer principal type.
principal_name	The renewer principal name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
_tagged_fields	The tagged fields

```
DescribeDelegationToken Response (Version: 3) => error_code [tokens] throttle_time_ms
error_code => INT16
tokens => principal_type principal_name token_requester_principal_type tokens
principal_type => COMPACT_STRING
principal_name => COMPACT_STRING
token_requester_principal_type => COMPACT_STRING
token_requester_principal_name => COMPACT_STRING
issue_timestamp => INT64
expiry_timestamp => INT64
max_timestamp => INT64
token_id => COMPACT_STRING
hmac => COMPACT_BYTES
renewers => principal_type principal_name _tagged_fields
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Response header version: 1

FIELD	DESCRIPTION
error_code	The error code, or 0 if there was no error.
tokens	The tokens.
principal_type	The token principal type.
principal_name	The token principal name.
token_requester_principal_type	The principal type of the requester of the token.
token_requester_principal_name	The principal type of the requester of the token.
issue_timestamp	The token issue timestamp in milliseconds.
expiry_timestamp	The token expiry timestamp in milliseconds.
max_timestamp	The token maximum timestamp length in milliseconds.
token_id	The token ID.
hmac	The token HMAC.
renewers	Those who are able to renew this token before it expires.
principal_type	The renewer principal type.
principal_name	The renewer principal name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)**Requests:**

DeleteGroups Request (Version: 0) => [groups_names]
groups_names => STRING

Request header version: 1

FIELD	DESCRIPTION
groups_names	The group names to delete.

DeleteGroups Request (Version: 1) => [groups_names]
groups_names => STRING

Request header version: 1

FIELD	DESCRIPTION
groups_names	The group names to delete.

DeleteGroups Request (Version: 2) => [groups_names] _tagged_fields
groups_names => COMPACT_STRING

Request header version: 2

FIELD	DESCRIPTION
groups_names	The group names to delete.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
throttle_time_ms => INT32  
results => group_id error_code  
group_id => STRING  
error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The deletion results.
group_id	The group id.
error_code	The deletion error, or 0 if the deletion succeeded.

```
DeleteGroups Response (Version: 1) => throttle_time_ms [results]  
throttle_time_ms => INT32  
results => group_id error_code  
group_id => STRING  
error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The deletion results.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
DeleteGroups Response (Version: 2) => throttle_time_ms [results] _tagged_fields
throttle_time_ms => INT32
results => group_id error_code _tagged_fields
group_id => COMPACT_STRING
error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
results	The deletion results.
group_id	The group id.
error_code	The deletion error, or 0 if the deletion succeeded.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ElectLeaders API (Key: 43):

Requests:

```
ElectLeaders Request (Version: 0) => [topic_partitions] timeout_ms
topic_partitions => topic [partitions]
topic => STRING
partitions => INT32
timeout_ms => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topic_partitions	The topic partitions to elect leaders.
topic	The name of a topic.
partitions	The partitions of this topic whose leader should be elected.
timeout_ms	The time in ms to wait for the election to complete.

```

ElectLeaders Request (Version: 1) => election_type [topic_partitions] timeout_ms
election_type => INT8
topic_partitions => topic [partitions]
topic => STRING
partitions => INT32
timeout_ms => INT32

```

Request header version: 1

FIELD	DESCRIPTION
election_type	Type of elections to conduct for the partition. A value of '0' elects the preferred replica. A value of '1' elects the first live replica if there are no in-sync replica.
topic_partitions	The topic partitions to elect leaders.
topic	The name of a topic.
partitions	The partitions of this topic whose leader should be elected.
timeout_ms	The time in ms to wait for the election to complete.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
topic => COMPACT_STRING  
partitions => INT32  
timeout_ms => INT32
```

Request header version: 2

FIELD	DESCRIPTION
election_type	Type of elections to conduct for the partition. A value of '0' elects the preferred replica. A value of '1' elects the first live replica if there are no in-sync replica.
topic_partitions	The topic partitions to elect leaders.
topic	The name of a topic.
partitions	The partitions of this topic whose leader should be elected.
_tagged_fields	The tagged fields
timeout_ms	The time in ms to wait for the election to complete.
_tagged_fields	The tagged fields

Responses:

```
ElectLeaders Response (Version: 0) => throttle_time_ms [replica_election_re  
throttle_time_ms => INT32  
replica_election_results => topic [partition_result]  
topic => STRING  
partition_result => partition_id error_code error_message
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
replica_election_results	The election results, or an empty array if the requester did not have permission and the request asks for all partitions.
topic	The topic name.
partition_result	The results for each partition.
partition_id	The partition id.
error_code	The result error, or zero if there was no error.
error_message	The result message, or null if there was no error.

```

ElectLeaders Response (Version: 1) => throttle_time_ms error_code [replica_
    throttle_time_ms => INT32
    error_code => INT16
    replica_election_results => topic [partition_result]
        topic => STRING
        partition_result => partition_id error_code error_message
            partition_id => INT32
            error_code => INT16
            error_message => NULLABLE_STRING

```

Response header version: 0

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	zero if the request did not violate any quota.
error_code	The top level response error code.
replica_election_results	The election results, or an empty array if the requester did not have permission and the request asks for all partitions.
topic	The topic name.
partition_result	The results for each partition.
partition_id	The partition id.
error_code	The result error, or zero if there was no error.
error_message	The result message, or null if there was no error.

```

ElectLeaders Response (Version: 2) => throttle_time_ms error_code [replica_
    throttle_time_ms => INT32
    error_code => INT16
    replica_election_results => topic [partition_result] _tagged_fields
        topic => COMPACT_STRING
        partition_result => partition_id error_code error_message _tagged_field
            partition_id => INT32
            error_code => INT16
            error_message => COMPACT_NULLABLE_STRING

```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	request asks for all partitions.
topic	The topic name.
partition_result	The results for each partition.
partition_id	The partition id.
error_code	The result error, or zero if there was no error.
error_message	The result message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

IncrementalAlterConfigs API (Key: 44):

Requests:

```
IncrementalAlterConfigs Request (Version: 0) => [resources] validate_only
resources => resource_type resource_name [configs]
resource_type => INT8
resource_name => STRING
configs => name config_operation value
name => STRING
config_operation => INT8
value => NULLABLE_STRING
validate_only => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

configs	The configurations.
name	The configuration key name.
config_operation	The type (Set, Delete, Append, Subtract) of operation.
value	The value to set for the configuration key.
validate_only	True if we should validate the request, but not change the configurations.

```
IncrementalAlterConfigs Request (Version: 1) => [resources] validate_only _  

    resources => resource_type resource_name [configs] _tagged_fields  

        resource_type => INT8  

        resource_name => COMPACT_STRING  

        configs => name config_operation value _tagged_fields  

            name => COMPACT_STRING  

            config_operation => INT8  

            value => COMPACT_NULLABLE_STRING  

            validate_only => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
resources	The incremental updates for each resource.
resource_type	The resource type.
resource_name	The resource name.
configs	The configurations.
name	The configuration key name.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
validate_only	True if we should validate the request, but not change the configurations.
_tagged_fields	The tagged fields

Responses:

```
IncrementalAlterConfigs Response (Version: 0) => throttle_time_ms [response
throttle_time_ms => INT32
responses => error_code error_message resource_type resource_name
error_code => INT16
error_message => NULLABLE_STRING
resource_type => INT8
resource_name => STRING
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The responses for each resource.
error_code	The resource error code.
error_message	The resource error message, or null if there was no error.
resource_type	The resource type.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```

throttle_time_ms => INT32
responses => error_code error_message resource_type resource_name _tagged
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
resource_type => INT8
resource_name => COMPACT_STRING

```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
responses	The responses for each resource.
error_code	The resource error code.
error_message	The resource error message, or null if there was no error.
resource_type	The resource type.
resource_name	The resource name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

AlterPartitionReassignments API (Key: 45):

Requests:

AlterPartitionReassignments Request (Version: 0) => timeout_ms [topics] _ta

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_index => INT32
replicas => INT32

Request header version: 2

FIELD	DESCRIPTION
timeout_ms	The time in ms to wait for the request to complete.
topics	The topics to reassign.
name	The topic name.
partitions	The partitions to reassign.
partition_index	The partition index.
replicas	The replicas to place the partitions on, or null to cancel a pending reassignment for this partition.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

AlterPartitionReassignments Request (Version: 1) => timeout_ms allow_replic
timeout_ms => INT32
allow_replication_factor_change => BOOLEAN
topics => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => partition_index [replicas] _tagged_fields
partition_index => INT32
replicas => INT32

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

timeout_ms	The time in ms to wait for the request to complete.
allow_replication_factor_change	The option indicating whether changing the replication factor of any given partition as part of this request is a valid move.
topics	The topics to reassign.
name	The topic name.
partitions	The partitions to reassign.
partition_index	The partition index.
replicas	The replicas to place the partitions on, or null to cancel a pending reassignment for this partition.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
AlterPartitionReassignments Response (Version: 0) => throttle_time_ms error
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
responses => name [partitions] _tagged_fields
name => COMPACT_STRING
partitions => partition_index error_code error_message _tagged_fields
partition_index => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
responses	The responses to topics to reassign.
name	The topic name.
partitions	The responses to partitions to reassign.
partition_index	The partition index.
error_code	The error code for this partition, or 0 if there was no error.
error_message	The error message for this partition, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
AlterPartitionReassignments Response (Version: 1) => throttle_time_ms allow
throttle_time_ms => INT32
allow_replication_factor_change => BOOLEAN
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
responses => name [partitions] _tagged_fields
  name => COMPACT_STRING
  partitions => partition_index error_code error_message _tagged_fields
    partition_index => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response Header Version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
allow_replication_factor_change	The option indicating whether changing the replication factor of any given partition as part of the request was allowed.
error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
responses	The responses to topics to reassign.
name	The topic name.
partitions	The responses to partitions to reassign.
partition_index	The partition index.
error_code	The error code for this partition, or 0 if there was no error.
error_message	The error message for this partition, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ListPartitionReassignments API (Key: 46):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
topics => name [partition_indexes] _tagged_fields
  name => COMPACT_STRING
  partition_indexes => INT32
```

Request header version: 2

FIELD	DESCRIPTION
timeout_ms	The time in ms to wait for the request to complete.
topics	The topics to list partition reassignments for, or null to list everything.
name	The topic name.
partition_indexes	The partitions to list partition reassignments for.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
ListPartitionReassignments Response (Version: 0) => throttle_time_ms error_
  throttle_time_ms => INT32
  error_code => INT16
  error_message => COMPACT_NULLABLE_STRING
topics => name [partitions] _tagged_fields
  name => COMPACT_STRING
  partitions => partition_index [replicas] [adding_replicas] [removing_re
    partition_index => INT32
    replicas => INT32
    adding_replicas => INT32
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
topics	The ongoing reassignments for each topic.
name	The topic name.
partitions	The ongoing reassignments for each partition.
partition_index	The index of the partition.
replicas	The current replica set.
adding_replicas	The set of replicas we are currently adding.
removing_replicas	The set of replicas we are currently removing.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

OffsetDelete API (Key: 47):

Requests:

```
OffsetDelete Request (Version: 0) => group_id [topics]
group_id => STRING
topics => name [partitions]
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 1

FIELD	DESCRIPTION
group_id	The unique group identifier.
topics	The topics to delete offsets for.
name	The topic name.
partitions	Each partition to delete offsets for.
partition_index	The partition index.

Responses:

```
OffsetDelete Response (Version: 0) => error_code throttle_time_ms [topics]
    error_code => INT16
    throttle_time_ms => INT32
    topics => name [partitions]
        name => STRING
        partitions => partition_index error_code
            partition_index => INT32
            error_code => INT16
```

Response header version: 0

FIELD	DESCRIPTION
error_code	The top-level error code, or 0 if there was no error.
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_index	The partition index.
error_code	The error code, or 0 if there was no error.

DescribeClientQuotas API (Key: 48):

Requests:

```
DescribeClientQuotas Request (Version: 0) => [components] strict
  components => entity_type match_type match
    entity_type => STRING
    match_type => INT8
    match => NULLABLE_STRING
  strict => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
components	Filter components to apply to quota entities.
entity_type	The entity type that the filter component applies to.
match_type	How to match the entity {0 = exact name, 1 = default name, 2 = any specified name}.
match	The string to match against, or null if unused for the match type.
strict	Whether the match is strict, i.e. should exclude entities with unspecified entity types.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
match_type => INT8
match => COMPACT_NULLABLE_STRING
strict => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
components	Filter components to apply to quota entities.
entity_type	The entity type that the filter component applies to.
match_type	How to match the entity {0 = exact name, 1 = default name, 2 = any specified name}.
match	The string to match against, or null if unused for the match type.
_tagged_fields	The tagged fields
strict	Whether the match is strict, i.e. should exclude entities with unspecified entity types.
_tagged_fields	The tagged fields

Responses:

```
DescribeClientQuotas Response (Version: 0) => throttle_time_ms error_code e
throttle_time_ms => INT32
error_code => INT16
error_message => NULLABLE_STRING
entries => [entity] [values]
entity => entity_type entity_name
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

value => FLOAT64

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or `0` if the quota description succeeded.
error_message	The error message, or `null` if the quota description succeeded.
entries	A result entry.
entity	The quota entity description.
entity_type	The entity type.
entity_name	The entity name, or null if the default.
values	The quota values for the entity.
key	The quota configuration key.
value	The quota configuration value.

```
DescribeClientQuotas Response (Version: 1) => throttle_time_ms error_code e
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
entries => [entity] [values] _tagged_fields
entity => entity_type entity_name _tagged_fields
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

value => FLOAT64

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or `0` if the quota description succeeded.
error_message	The error message, or `null` if the quota description succeeded.
entries	A result entry.
entity	The quota entity description.
entity_type	The entity type.
entity_name	The entity name, or null if the default.
_tagged_fields	The tagged fields
values	The quota values for the entity.
key	The quota configuration key.
value	The quota configuration value.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

AlterClientQuotas API (Key: 49):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
entries => [entity] [ops]
  entity => entity_type entity_name
    entity_type => STRING
    entity_name => NULLABLE_STRING
  ops => key value remove
    key => STRING
    value => FLOAT64
    remove => BOOLEAN
  validate_only => BOOLEAN
```

Request header version: 1

FIELD	DESCRIPTION
entries	The quota configuration entries to alter.
entity	The quota entity to alter.
entity_type	The entity type.
entity_name	The name of the entity, or null if the default.
ops	An individual quota configuration entry to alter.
key	The quota configuration key.
value	The value to set, otherwise ignored if the value is to be removed.
remove	Whether the quota configuration value should be removed, otherwise set.
validate_only	Whether the alteration should be validated, but not performed.

AlterClientQuotas Request (Version: 1) => [entries] validate_only _tagged_f

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
ops => key value remove _tagged_fields  
key => COMPACT_STRING  
value => FLOAT64  
remove => BOOLEAN  
validate_only => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
entries	The quota configuration entries to alter.
entity	The quota entity to alter.
entity_type	The entity type.
entity_name	The name of the entity, or null if the default.
_tagged_fields	The tagged fields
ops	An individual quota configuration entry to alter.
key	The quota configuration key.
value	The value to set, otherwise ignored if the value is to be removed.
remove	Whether the quota configuration value should be removed, otherwise set.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
validate_only	Whether the alteration should be validated, but not performed.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
throttle_time_ms => INT32
entries => error_code error_message [entity]
    error_code => INT16
    error_message => NULLABLE_STRING
    entity => entity_type entity_name
        entity_type => STRING
        entity_name => NULLABLE_STRING
```

Response header version: 0

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
entries	The quota configuration entries to alter.
error_code	The error code, or `0` if the quota alteration succeeded.
error_message	The error message, or `null` if the quota alteration succeeded.
entity	The quota entity to alter.
entity_type	The entity type.
entity_name	The name of the entity, or null if the default.

```
AlterClientQuotas Response (Version: 1) => throttle_time_ms [entries] _tagg
throttle_time_ms => INT32
entries => error_code error_message [entity] _tagged_fields
    error_code => INT16
    error_message => COMPACT_NULLABLE_STRING
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
entries	The quota configuration entries to alter.
error_code	The error code, or `0` if the quota alteration succeeded.
error_message	The error message, or `null` if the quota alteration succeeded.
entity	The quota entity to alter.
entity_type	The entity type.
entity_name	The name of the entity, or null if the default.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DescribeUserScramCredentials API (Key: 50):

Requests:

```
DescribeUserScramCredentials Request (Version: 0) => [users] _tagged_fields
  users => name _tagged_fields
    name => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

users	The users to describe, or null/empty to describe all users.
name	The user name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
DescribeUserScramCredentials Response (Version: 0) => throttle_time_ms error
    throttle_time_ms => INT32
    error_code => INT16
    error_message => COMPACT_NULLABLE_STRING
    results => user error_code error_message [credential_infos] _tagged_field
        user => COMPACT_STRING
        error_code => INT16
        error_message => COMPACT_NULLABLE_STRING
        credential_infos => mechanism iterations _tagged_fields
            mechanism => INT8
            iterations => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The message-level error code, 0 except for user authorization or infrastructure issues.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The user-level error code.
error_message	The user-level error message, if any.
credential_infos	The mechanism and related information associated with the user's SCRAM credentials.
mechanism	The SCRAM mechanism.
iterations	The number of iterations used in the SCRAM credential.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

AlterUserScramCredentials API (Key: 51):

Requests:

```
AlterUserScramCredentials Request (Version: 0) => [deletions] [upsertions]
deletions => name mechanism _tagged_fields
    name => COMPACT_STRING
    mechanism => INT8
upsertions => name mechanism iterations salt salted_password _tagged_field
    name => COMPACT_STRING
    mechanism => INT8
    iterations => INT32
    salt => COMPACT_BYTES
    salted_password => COMPACT_BYTES
```

Request header version: 2

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

NAME	THE USER NAME.
mechanism	The SCRAM mechanism.
_tagged_fields	The tagged fields
upsertions	The SCRAM credentials to update/insert.
name	The user name.
mechanism	The SCRAM mechanism.
iterations	The number of iterations.
salt	A random salt generated by the client.
salted_password	The salted password.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
AlterUserScramCredentials Response (Version: 0) => throttle_time_ms [result
  throttle_time_ms => INT32
  results => user error_code error_message _tagged_fields
    user => COMPACT_STRING
    error_code => INT16
    error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

results	The results for deletions and alterations, one per affected user.
user	The user name.
error_code	The error code.
error_message	The error message, if any.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DescribeQuorum API (Key: 55):

Requests:

```
DescribeQuorum Request (Version: 0) => [topics] _tagged_fields
    topics => topic_name [partitions] _tagged_fields
        topic_name => COMPACT_STRING
        partitions => partition_index _tagged_fields
            partition_index => INT32
```

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to describe.
topic_name	The topic name.
partitions	The partitions to describe.
partition_index	The partition index.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

DescribeQuorum Request (Version: 1) => [topics] _tagged_fields

topics => topic_name [partitions] _tagged_fields

topic_name => COMPACT_STRING

partitions => partition_index _tagged_fields

partition_index => INT32

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to describe.
topic_name	The topic name.
partitions	The partitions to describe.
partition_index	The partition index.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DescribeQuorum Request (Version: 2) => [topics] _tagged_fields

topics => topic_name [partitions] _tagged_fields

topic_name => COMPACT_STRING

partitions => partition_index _tagged_fields

partition_index => INT32

Request header version: 2

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition_index	The partition index.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
DescribeQuorum Response (Version: 0) => error_code [topics] _tagged_fields
    error_code => INT16
    topics => topic_name [partitions] _tagged_fields
        topic_name => COMPACT_STRING
        partitions => partition_index error_code leader_id leader_epoch high_watermark
            partition_index => INT32
            error_code => INT16
            leader_id => INT32
            leader_epoch => INT32
            high_watermark => INT64
            current_voters => replica_id log_end_offset _tagged_fields
                replica_id => INT32
                log_end_offset => INT64
            observers => replica_id log_end_offset _tagged_fields
                replica_id => INT32
                log_end_offset => INT64
```

Response header version: 1

FIELD	DESCRIPTION
error_code	The top level error code.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

partition_index	The partition index.
error_code	The partition error code.
leader_id	The ID of the current leader or -1 if the leader is unknown.
leader_epoch	The latest known leader epoch.
high_watermark	The high water mark.
current_voters	The current voters of the partition.
replica_id	The ID of the replica.
log_end_offset	The last known log end offset of the follower or -1 if it is unknown.
_tagged_fields	The tagged fields
observers	The observers of the partition.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```

DescribeQuorum Response (Version: 1) => error_code [topics] _tagged_fields
    error_code => INT16
    topics => topic_name [partitions] _tagged_fields
        topic_name => COMPACT_STRING
        partitions => partition_index error_code leader_id leader_epoch high_watermark
            partition_index => INT32
            error_code => INT16
            leader_id => INT32
            leader_epoch => INT32
            high_watermark => INT64

```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
last_caught_up_timestamp => INT64
observers => replica_id log_end_offset last_fetch_timestamp last_caught_up_timestamp
replica_id => INT32
log_end_offset => INT64
last_fetch_timestamp => INT64
last_caught_up_timestamp => INT64
```

Response header version: 1

FIELD	DESCRIPTION
error_code	The top level error code.
topics	The response from the describe quorum API.
topic_name	The topic name.
partitions	The partition data.
partition_index	The partition index.
error_code	The partition error code.
leader_id	The ID of the current leader or -1 if the leader is unknown.
leader_epoch	The latest known leader epoch.
high_watermark	The high water mark.
current_voters	The current voters of the partition.
replica_id	The ID of the replica.
log_end_offset	The last known log end offset of the follower or -1 if it is unknown.
last_fetch_timestamp	The last known leader wall clock time time when

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

		THE LEADER WALL CLOCK APPENDED TIME OF THE OFFSET for which the follower made the most recent fetch request. This is reported as the current time for the leader and -1 if unknown for a voter.
last_caught_up_timestamp		
_tagged_fields	The tagged fields	
observers	The observers of the partition.	
_tagged_fields	The tagged fields	
_tagged_fields	The tagged fields	
_tagged_fields	The tagged fields	

```
DescribeQuorum Response (Version: 2) => error_code error_message [topics] [
    error_code => INT16
    error_message => COMPACT_NULLABLE_STRING
    topics => topic_name [partitions] _tagged_fields
        topic_name => COMPACT_STRING
        partitions => partition_index error_code error_message leader_id leader
            partition_index => INT32
            error_code => INT16
            error_message => COMPACT_NULLABLE_STRING
            leader_id => INT32
            leader_epoch => INT32
            high_watermark => INT64
            current_voters => replica_id replica_directory_id log_end_offset last
                replica_id => INT32
                replica_directory_id => UUID
                log_end_offset => INT64
                last_fetch_timestamp => INT64
                last_caught_up_timestamp => INT64
            observers => replica_id replica_directory_id log_end_offset last_fetc
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
last_caught_up_timestamp => INT64
nodes => node_id [listeners] _tagged_fields
node_id => INT32
listeners => name host port _tagged_fields
name => COMPACT_STRING
host => COMPACT_STRING
port => UINT16
```

Response header version: 1

FIELD	DESCRIPTION
error_code	The top level error code.
error_message	The error message, or null if there was no error.
topics	The response from the describe quorum API.
topic_name	The topic name.
partitions	The partition data.
partition_index	The partition index.
error_code	The partition error code.
error_message	The error message, or null if there was no error.
leader_id	The ID of the current leader or -1 if the leader is unknown.
leader_epoch	The latest known leader epoch.
high_watermark	The high water mark.
current_voters	The current voters of the partition.
replica_id	The ID of the replica.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

last_fetch_timestamp	The last known leader wall clock time when a follower fetched from the leader. This is reported as -1 both for the current leader or if it is unknown for a voter.
last_caught_up_timestamp	The leader wall clock append time of the offset for which the follower made the most recent fetch request. This is reported as the current time for the leader and -1 if unknown for a voter.
_tagged_fields	The tagged fields
observers	The observers of the partition.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
nodes	The nodes in the quorum.
node_id	The ID of the associated node.
listeners	The listeners of this controller.
name	The name of the endpoint.
host	The hostname.
port	The port.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

UpdateFeatures API (Key: 57):

Requests:

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

feature => COMPACT_STRING
max_version_level => INT16
allow_downgrade => BOOLEAN

Request header version: 2

FIELD	DESCRIPTION
timeout_ms	How long to wait in milliseconds before timing out the request.
feature_updates	The list of updates to finalized features.
feature	The name of the finalized feature to be updated.
max_version_level	The new maximum version level for the finalized feature. A value ≥ 1 is valid. A value < 1 , is special, and can be used to request the deletion of the finalized feature.
allow_downgrade	DEPRECATED in version 1 (see DowngradeType). When set to true, the finalized feature version level is allowed to be downgraded/deleted. The downgrade request will fail if the new maximum version level is a value that's not lower than the existing maximum finalized version level.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

UpdateFeatures Request (Version: 1) => timeout_ms [feature_updates] validate
timeout_ms => INT32
feature_updates => feature max_version_level upgrade_type _tagged_fields

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Request header version: 2

FIELD	DESCRIPTION
timeout_ms	How long to wait in milliseconds before timing out the request.
feature_updates	The list of updates to finalized features.
feature	The name of the finalized feature to be updated.
max_version_level	The new maximum version level for the finalized feature. A value ≥ 1 is valid. A value < 1 , is special, and can be used to request the deletion of the finalized feature.
upgrade_type	Determine which type of upgrade will be performed: 1 will perform an upgrade only (default), 2 is safe downgrades only (lossless), 3 is unsafe downgrades (lossy).
_tagged_fields	The tagged fields
validate_only	True if we should validate the request, but not perform the upgrade or downgrade.
_tagged_fields	The tagged fields

```
UpdateFeatures Request (Version: 2) => timeout_ms [feature_updates] validate
    timeout_ms => INT32
    feature_updates => feature max_version_level upgrade_type _tagged_fields
        feature => COMPACT_STRING
        max_version_level => INT16
        upgrade_type => INT8
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

FIELD	DESCRIPTION
timeout_ms	How long to wait in milliseconds before timing out the request.
feature_updates	The list of updates to finalized features.
feature	The name of the finalized feature to be updated.
max_version_level	The new maximum version level for the finalized feature. A value ≥ 1 is valid. A value < 1 , is special, and can be used to request the deletion of the finalized feature.
upgrade_type	Determine which type of upgrade will be performed: 1 will perform an upgrade only (default), 2 is safe downgrades only (lossless), 3 is unsafe downgrades (lossy).
_tagged_fields	The tagged fields
validate_only	True if we should validate the request, but not perform the upgrade or downgrade.
_tagged_fields	The tagged fields

Responses:

```
UpdateFeatures Response (Version: 0) => throttle_time_ms error_code error_m  
throttle_time_ms => INT32  
error_code => INT16  
error_message => COMPACT_NULLABLE_STRING  
results => feature error_code error_message _tagged_fields  
    feature => COMPACT_STRING  
    error_code => INT16
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top-level error code, or `0` if there was no top-level error.
error_message	The top-level error message, or `null` if there was no top-level error.
results	Results for each feature update.
feature	The name of the finalized feature.
error_code	The feature update error code or `0` if the feature update succeeded.
error_message	The feature update error, or `null` if the feature update succeeded.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
UpdateFeatures Response (Version: 1) => throttle_time_ms error_code error_m
    throttle_time_ms => INT32
    error_code => INT16
    error_message => COMPACT_NULLABLE_STRING
    results => feature error_code error_message _tagged_fields
        feature => COMPACT_STRING
        error_code => INT16
        error_message => COMPACT_NULLABLE_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top-level error code, or `0` if there was no top-level error.
error_message	The top-level error message, or `null` if there was no top-level error.
results	Results for each feature update.
feature	The name of the finalized feature.
error_code	The feature update error code or `0` if the feature update succeeded.
error_message	The feature update error, or `null` if the feature update succeeded.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
UpdateFeatures Response (Version: 2) => throttle_time_ms error_code error_m
    throttle_time_ms => INT32
    error_code => INT16
    error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.

<code>_tagged_fields</code>	no top-level error. The tagged fields
-----------------------------	--

DescribeCluster API (Key: 60):

Requests:

```
DescribeCluster Request (Version: 0) => include_cluster_authorized_operations
include_cluster_authorized_operations => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
<code>include_cluster_authorized_operations</code>	Whether to include cluster authorized operations.
<code>_tagged_fields</code>	The tagged fields

```
DescribeCluster Request (Version: 1) => include_cluster_authorized_operations
include_cluster_authorized_operations => BOOLEAN
endpoint_type => INT8
```

Request header version: 2

FIELD	DESCRIPTION
<code>include_cluster_authorized_operations</code>	Whether to include cluster authorized operations.
<code>endpoint_type</code>	The endpoint type to describe. 1=brokers, 2=controllers.
<code>_tagged_fields</code>	The tagged fields

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)`include_fenced_brokers => BOOLEAN`**Request header version: 2**

FIELD	DESCRIPTION
include_cluster_authorized_operations	Whether to include cluster authorized operations.
endpoint_type	The endpoint type to describe. 1=brokers, 2=controllers.
include_fenced_brokers	Whether to include fenced brokers when listing brokers.
_tagged_fields	The tagged fields

Responses:

```
DescribeCluster Response (Version: 0) => throttle_time_ms error_code error_
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
cluster_id => COMPACT_STRING
controller_id => INT32
brokers => broker_id host port rack _tagged_fields
broker_id => INT32
host => COMPACT_STRING
port => INT32
rack => COMPACT_NULLABLE_STRING
cluster_authorized_operations => INT32
```

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
brokers	Each broker in the response.
broker_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields
cluster_authorized_operations	32-bit bitfield to represent authorized operations for this cluster.
_tagged_fields	The tagged fields

```
DescribeCluster Response (Version: 1) => throttle_time_ms error_code error_
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
endpoint_type => INT8
cluster_id => COMPACT_STRING
controller_id => INT32
brokers => broker_id host port rack _tagged_fields
broker_id => INT32
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)**Response header version: 1**

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
endpoint_type	The endpoint type that was described. 1=brokers, 2=controllers.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
brokers	Each broker in the response.
broker_id	The broker ID.
host	The broker hostname.
port	The broker port.
rack	The rack of the broker, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields
cluster_authorized_operations	32-bit bitfield to represent authorized operations for this cluster.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_message => COMPACT_NULLABLE_STRING
endpoint_type => INT8
cluster_id => COMPACT_STRING
controller_id => INT32
brokers => broker_id host port rack is_fenced _tagged_fields
  broker_id => INT32
  host => COMPACT_STRING
  port => INT32
  rack => COMPACT_NULLABLE_STRING
  is_fenced => BOOLEAN
cluster_authorized_operations => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
endpoint_type	The endpoint type that was described. 1=brokers, 2=controllers.
cluster_id	The cluster ID that responding broker belongs to.
controller_id	The ID of the controller broker.
brokers	Each broker in the response.
broker_id	The broker ID.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>rack</code>	assigned to a rack.
<code>is_fenced</code>	Whether the broker is fenced
<code>_tagged_fields</code>	The tagged fields
<code>cluster_authorized_operations</code>	32-bit bitfield to represent authorized operations for this cluster.
<code>_tagged_fields</code>	The tagged fields

DescribeProducers API (Key: 61):

Requests:

```
DescribeProducers Request (Version: 0) => [topics] _tagged_fields
    topics => name [partition_indexes] _tagged_fields
        name => COMPACT_STRING
        partition_indexes => INT32
```

Request header version: 2

FIELD	DESCRIPTION
<code>topics</code>	The topics to list producers for.
<code>name</code>	The topic name.
<code>partition_indexes</code>	The indexes of the partitions to list producers for.
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields

Responses:

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
name => COMPACT_STRING
partitions => partition_index error_code error_message [active_producer
partition_index => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
active_producers => producer_id producer_epoch last_sequence last_time
producer_id => INT64
producer_epoch => INT32
last_sequence => INT32
last_timestamp => INT64
coordinator_epoch => INT32
current_txn_start_offset => INT64
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
name	The topic name.
partitions	Each partition in the response.
partition_index	The partition index.
error_code	The partition error code, or 0 if there was no error.
error_message	The partition error message, which may be null if no additional details are available.
active_producers	The active producers for the partition.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

last_timestamp	The last timestamp sent by the producer.
coordinator_epoch	The current epoch of the producer group.
current_txn_start_offset	The current transaction start offset of the producer.
_tagged_fields	The tagged fields

UnregisterBroker API (Key: 64):

Requests:

```
UnregisterBroker Request (Version: 0) => broker_id _tagged_fields
broker_id => INT32
```

Request header version: 2

FIELD	DESCRIPTION
broker_id	The broker ID to unregister.
_tagged_fields	The tagged fields

Responses:

```
UnregisterBroker Response (Version: 0) => throttle_time_ms error_code error
throttle_time_ms => INT32
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	Duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
error_message	The top-level error message, or `null` if there was no top-level error.
_tagged_fields	The tagged fields

DescribeTransactions API (Key: 65):

Requests:

```
DescribeTransactions Request (Version: 0) => [transactional_ids] _tagged_fields
transactional_ids => COMPACT_STRING
```

Request header version: 2

FIELD	DESCRIPTION
transactional_ids	Array of transactionalIds to include in describe results. If empty, then no results will be returned.
_tagged_fields	The tagged fields

Responses:

```
DescribeTransactions Response (Version: 0) => throttle_time_ms [transactional_ids]
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
transaction_state => COMPACT_STRING
transaction_timeout_ms => INT32
transaction_start_time_ms => INT64
producer_id => INT64
producer_epoch => INT16
topics => topic [partitions] _tagged_fields
topic => COMPACT_STRING
partitions => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
transaction_states	The current state of the transaction.
error_code	The error code.
transactional_id	The transactional id.
transaction_state	The current transaction state of the producer.
transaction_timeout_ms	The timeout in milliseconds for the transaction.
transaction_start_time_ms	The start time of the transaction in milliseconds.
producer_id	The current producer id associated with the transaction.
producer_epoch	The current epoch associated with the producer id.
topics	The set of partitions included in the current

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>topic</code>	The topic name.
<code>partitions</code>	The partition ids included in the current transaction.
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields

ListTransactions API (Key: 66):

Requests:

```
ListTransactions Request (Version: 0) => [state_filters] [producer_id_filters]
state_filters => COMPACT_STRING
producer_id_filters => INT64
```

Request header version: 2

FIELD	DESCRIPTION
<code>state_filters</code>	The transaction states to filter by: if empty, all transactions are returned; if non-empty, then only transactions matching one of the filtered states will be returned.
<code>producer_id_filters</code>	The producerIds to filter by: if empty, all transactions will be returned; if non-empty, only transactions which match one of the filtered producerIds will be returned.
<code>_tagged_fields</code>	The tagged fields

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

LOAD
KAFKA

duration_filter => INT64

Request header version: 2

FIELD	DESCRIPTION
state_filters	The transaction states to filter by: if empty, all transactions are returned; if non-empty, then only transactions matching one of the filtered states will be returned.
producer_id_filters	The producerIds to filter by: if empty, all transactions will be returned; if non-empty, only transactions which match one of the filtered producerIds will be returned.
duration_filter	Duration (in millis) to filter by: if < 0, all transactions will be returned; otherwise, only transactions running longer than this duration will be returned.
_tagged_fields	The tagged fields

```
ListTransactions Request (Version: 2) => [state_filters] [producer_id_filte
state_filters => COMPACT_STRING
producer_id_filters => INT64
duration_filter => INT64
transactional_id_pattern => COMPACT_NULLABLE_STRING
```

Request header version: 2

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

producer_id_filters	The producerIds to filter by: if empty, all transactions will be returned; if non-empty, only transactions which match one of the filtered producerIds will be returned.
duration_filter	Duration (in millis) to filter by: if < 0, all transactions will be returned; otherwise, only transactions running longer than this duration will be returned.
transactional_id_pattern	The transactional ID regular expression pattern to filter by: if it is empty or null, all transactions are returned; Otherwise then only the transactions matching the given regular expression will be returned.
_tagged_fields	The tagged fields

Responses:

```
ListTransactions Response (Version: 0) => throttle_time_ms error_code [unkn
    throttle_time_ms => INT32
    error_code => INT16
    unknown_state_filters => COMPACT_STRING
    transaction_states => transactional_id producer_id transaction_state _tag
        transactional_id => COMPACT_STRING
        producer_id => INT64
        transaction_state => COMPACT_STRING
```

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
unknown_state_filters	Set of state filters provided in the request which were unknown to the transaction coordinator.
transaction_states	The current state of the transaction for the transactional id.
transactional_id	The transactional id.
producer_id	The producer id.
transaction_state	The current transaction state of the producer.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ListTransactions Response (Version: 1) => throttle_time_ms error_code [unkn
    throttle_time_ms => INT32
    error_code => INT16
    unknown_state_filters => COMPACT_STRING
    transaction_states => transactional_id producer_id transaction_state _tag
        transactional_id => COMPACT_STRING
        producer_id => INT64
        transaction_state => COMPACT_STRING
```

Response header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The error code, or 0 if there was no error.
unknown_state_filters	Set of state filters provided in the request which were unknown to the transaction coordinator.
transaction_states	The current state of the transaction for the transactional id.
transactional_id	The transactional id.
producer_id	The producer id.
transaction_state	The current transaction state of the producer.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ListTransactions Response (Version: 2) => throttle_time_ms error_code [unkn
throttle_time_ms => INT32
error_code => INT16
unknown_state_filters => COMPACT_STRING
transaction_states => transactional_id producer_id transaction_state _tag
transactional_id => COMPACT_STRING
producer_id => INT64
transaction_state => COMPACT_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	transactional id.
transactional_id	The transactional id.
producer_id	The producer id.
transaction_state	The current transaction state of the producer.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ConsumerGroupHeartbeat API (Key: 68):

Requests:

```
ConsumerGroupHeartbeat Request (Version: 0) => group_id member_id member_epoch
group_id => COMPACT_STRING
member_id => COMPACT_STRING
member_epoch => INT32
instance_id => COMPACT_NULLABLE_STRING
rack_id => COMPACT_NULLABLE_STRING
rebalance_timeout_ms => INT32
subscribed_topic_names => COMPACT_STRING
server_assignor => COMPACT_NULLABLE_STRING
topic_partitions => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => INT32
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

member_epoch	The current member epoch; 0 to join the group; -1 to leave the group; -2 to indicate that the static member will rejoin.
instance_id	null if not provided or if it didn't change since the last heartbeat; the instance Id otherwise.
rack_id	null if not provided or if it didn't change since the last heartbeat; the rack ID of consumer otherwise.
rebalance_timeout_ms	-1 if it didn't change since the last heartbeat; the maximum time in milliseconds that the coordinator will wait on the member to revoke its partitions otherwise.
subscribed_topic_names	null if it didn't change since the last heartbeat; the subscribed topic names otherwise.
server_assignor	null if not used or if it didn't change since the last heartbeat; the server side assignor to use otherwise.
topic_partitions	null if it didn't change since the last heartbeat; the partitions owned by the member.
topic_id	The topic ID.
partitions	The partitions.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ConsumerGroupHeartbeat Request (Version: 1) => group_id member_id member_epoch
group_id => COMPACT_STRING
member_id => COMPACT_STRING
member_epoch => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
subscribed_topic_regex => COMPACT_NULLABLE_STRING  
server_assignor => COMPACT_NULLABLE_STRING  
topic_partitions => topic_id [partitions] _tagged_fields  
topic_id => UUID  
partitions => INT32
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
member_id	The member id generated by the consumer. The member id must be kept during the entire lifetime of the consumer process.
member_epoch	The current member epoch; 0 to join the group; -1 to leave the group; -2 to indicate that the static member will rejoin.
instance_id	null if not provided or if it didn't change since the last heartbeat; the instance Id otherwise.
rack_id	null if not provided or if it didn't change since the last heartbeat; the rack ID of consumer otherwise.
rebalance_timeout_ms	-1 if it didn't change since the last heartbeat; the maximum time in milliseconds that the coordinator will wait on the member to revoke its partitions otherwise.
subscribed_topic_names	null if it didn't change since the last heartbeat; the subscribed topic names otherwise.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

server_assignor	heartbeat; the server side assignor to use otherwise.
topic_partitions	null if it didn't change since the last heartbeat; the partitions owned by the member.
topic_id	The topic ID.
partitions	The partitions.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
ConsumerGroupHeartbeat Response (Version: 0) => throttle_time_ms error_code
    throttle_time_ms => INT32
    error_code => INT16
    error_message => COMPACT_NULLABLE_STRING
    member_id => COMPACT_NULLABLE_STRING
    member_epoch => INT32
    heartbeat_interval_ms => INT32
    assignment => [topic_partitions] _tagged_fields
        topic_partitions => topic_id [partitions] _tagged_fields
            topic_id => UUID
            partitions => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>error_message</code>	no error.
<code>member_id</code>	The member id is generated by the consumer starting from version 1, while in version 0, it can be provided by users or generated by the group coordinator.
<code>member_epoch</code>	The member epoch.
<code>heartbeat_interval_ms</code>	The heartbeat interval in milliseconds.
<code>assignment</code>	null if not provided; the assignment otherwise.
<code>topic_partitions</code>	The partitions assigned to the member that can be used immediately.
<code>topic_id</code>	The topic ID.
<code>partitions</code>	The partitions.
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields
<code>_tagged_fields</code>	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_message => COMPACT_NULLABLE_STRING
member_id => COMPACT_NULLABLE_STRING
member_epoch => INT32
heartbeat_interval_ms => INT32
assignment => [topic_partitions] _tagged_fields
topic_partitions => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
member_id	The member id is generated by the consumer starting from version 1, while in version 0, it can be provided by users or generated by the group coordinator.
member_epoch	The member epoch.
heartbeat_interval_ms	The heartbeat interval in milliseconds.
assignment	null if not provided; the assignment otherwise.
topic_partitions	The partitions assigned to the member that can be used immediately.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ConsumerGroupDescribe API (Key: 69):

Requests:

```
ConsumerGroupDescribe Request (Version: 0) => [group_ids] include_authorize
group_ids => COMPACT_STRING
include_authorized_operations => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
group_ids	The ids of the groups to describe.
include_authorized_operations	Whether to include authorized operations.
_tagged_fields	The tagged fields

```
ConsumerGroupDescribe Request (Version: 1) => [group_ids] include_authorize
group_ids => COMPACT_STRING
include_authorized_operations => BOOLEAN
```

Request header version: 2

FIELD	DESCRIPTION
group_ids	The ids of the groups to describe.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)**Responses:**

```
ConsumerGroupDescribe Response (Version: 0) => throttle_time_ms [groups] _t
throttle_time_ms => INT32
groups => error_code error_message group_id group_state group_epoch assignor_name
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
group_id => COMPACT_STRING
group_state => COMPACT_STRING
group_epoch => INT32
assignment_epoch => INT32
assignor_name => COMPACT_STRING
members => member_id instance_id rack_id member_epoch client_id client_host
member_id => COMPACT_STRING
instance_id => COMPACT_NULLABLE_STRING
rack_id => COMPACT_NULLABLE_STRING
member_epoch => INT32
client_id => COMPACT_STRING
client_host => COMPACT_STRING
subscribed_topic_names => COMPACT_STRING
subscribed_topic_regex => COMPACT_NULLABLE_STRING
assignment => [topic_partitions] _tagged_fields
topic_partitions => topic_id topic_name [partitions] _tagged_fields
topic_id => UUID
topic_name => COMPACT_STRING
partitions => INT32
target_assignment => [topic_partitions] _tagged_fields
topic_partitions => topic_id topic_name [partitions] _tagged_fields
topic_id => UUID
topic_name => COMPACT_STRING
partitions => INT32
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	Each described group.
error_code	The describe error, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
group_epoch	The group epoch.
assignment_epoch	The assignment epoch.
assignor_name	The selected assignor.
members	The members.
member_id	The member ID.
instance_id	The member instance ID.
rack_id	The member rack ID.
member_epoch	The current member epoch.
client_id	The client ID.
client_host	The client host.
subscribed_topic_names	The subscribed topic names.
subscribed_topic_regex	the subscribed topic regex otherwise or null if not provided.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topic_name	The topic name.
partitions	The partitions.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
target_assignment	The target assignment.
_tagged_fields	The tagged fields
authorized_operations	32-bit bitfield to represent authorized operations for this group.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ConsumerGroupDescribe Response (Version: 1) => throttle_time_ms [groups] _t
    throttle_time_ms => INT32
    groups => error_code error_message group_id group_state group_epoch assignor_name
        error_code => INT16
        error_message => COMPACT_NULLABLE_STRING
        group_id => COMPACT_STRING
        group_state => COMPACT_STRING
        group_epoch => INT32
        assignment_epoch => INT32
        assignor_name => COMPACT_STRING
    members => member_id instance_id rack_id member_epoch client_id client_member_id
        member_id => COMPACT_STRING
        instance_id => COMPACT_NULLABLE_STRING
        rack_id => COMPACT_NULLABLE_STRING
        member_epoch => INT32
        client_id => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
topic_partitions => topic_id topic_name [partitions] _tagged_fields
topic_id => UUID
topic_name => COMPACT_STRING
partitions => INT32
target_assignment => [topic_partitions] _tagged_fields
topic_partitions => topic_id topic_name [partitions] _tagged_fields
topic_id => UUID
topic_name => COMPACT_STRING
partitions => INT32
member_type => INT8
authorized_operations => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	Each described group.
error_code	The describe error, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
group_epoch	The group epoch.
assignment_epoch	The assignment epoch.
assignor_name	The selected assignor.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

rack_id	The member rack ID.
member_epoch	The current member epoch.
client_id	The client ID.
client_host	The client host.
subscribed_topic_names	The subscribed topic names.
subscribed_topic_regex	the subscribed topic regex otherwise or null if not provided.
assignment	The current assignment.
topic_partitions	The assigned topic-partitions to the member.
topic_id	The topic ID.
topic_name	The topic name.
partitions	The partitions.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
target_assignment	The target assignment.
member_type	-1 for unknown. 0 for classic member. +1 for consumer member.
_tagged_fields	The tagged fields
authorized_operations	32-bit bitfield to represent authorized operations for this group.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
GetTelemetrySubscriptions Request (Version: 0) => client_instance_id _tagge
client_instance_id => UUID
```

Request header version: 2

FIELD	DESCRIPTION
client_instance_id	Unique id for this client instance, must be set to 0 on the first request.
_tagged_fields	The tagged fields

Responses:

```
GetTelemetrySubscriptions Response (Version: 0) => throttle_time_ms error_c
throttle_time_ms => INT32
error_code => INT16
client_instance_id => UUID
subscription_id => INT32
accepted_compression_types => INT8
push_interval_ms => INT32
telemetry_max_bytes => INT32
delta_temporality => BOOLEAN
requested_metrics => COMPACT_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

client_instance_id	Assigned client instance id if ClientInstanceId was 0 in the request, else 0.
subscription_id	Unique identifier for the current subscription set for this client instance.
accepted_compression_types	Compression types that broker accepts for the PushTelemetryRequest.
push_interval_ms	Configured push interval, which is the lowest configured interval in the current subscription set.
telemetry_max_bytes	The maximum bytes of binary data the broker accepts in PushTelemetryRequest.
delta_temporality	Flag to indicate monotonic/counter metrics are to be emitted as deltas or cumulative values.
requested_metrics	Requested metrics prefix string match. Empty array: No metrics subscribed, Array[0] empty string: All metrics subscribed.
_tagged_fields	The tagged fields

PushTelemetry API (Key: 72):

Requests:

```
PushTelemetry Request (Version: 0) => client_instance_id subscription_id terminating compression_type metrics
client_instance_id => UUID
subscription_id => INT32
terminating => BOOLEAN
compression_type => INT8
metrics => COMPACT_BYTES
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

client_instance_id	Unique id for this client instance.
subscription_id	Unique identifier for the current subscription.
terminating	Client is terminating the connection.
compression_type	Compression codec used to compress the metrics.
metrics	Metrics encoded in OpenTelemetry MetricsData v1 protobuf format.
_tagged_fields	The tagged fields

Responses:

```
PushTelemetry Response (Version: 0) => throttle_time_ms error_code _tagged_
throttle_time_ms => INT32
error_code => INT16
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
_tagged_fields	The tagged fields

ListConfigResources API (Key: 74):**Requests:**

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)**Request header version: 2**

FIELD	DESCRIPTION
_tagged_fields	The tagged fields

```
ListConfigResources Request (Version: 1) => [resource_types] _tagged_fields
resource_types => INT8
```

Request header version: 2

FIELD	DESCRIPTION
resource_types	The list of resource type. If the list is empty, it uses default supported config resource types.
_tagged_fields	The tagged fields

Responses:

```
ListConfigResources Response (Version: 0) => throttle_time_ms error_code [c
throttle_time_ms => INT32
error_code => INT16
config_resources => resource_name _tagged_fields
resource_name => COMPACT_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

resource_name	The resource name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

```
ListConfigResources Response (Version: 1) => throttle_time_ms error_code [c
    throttle_time_ms => INT32
    error_code => INT16
    config_resources => resource_name resource_type _tagged_fields
        resource_name => COMPACT_STRING
        resource_type => INT8
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
config_resources	Each config resource in the response.
resource_name	The resource name.
resource_type	The resource type.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DescribeTopicPartitions API (Key: 75):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```

name => COMPACT_STRING
response_partition_limit => INT32
cursor => topic_name partition_index _tagged_fields
topic_name => COMPACT_STRING
partition_index => INT32

```

Request header version: 2

FIELD	DESCRIPTION
topics	The topics to fetch details for.
name	The topic name.
_tagged_fields	The tagged fields
response_partition_limit	The maximum number of partitions included in the response.
cursor	The first topic and partition index to fetch details for.
topic_name	The name for the first topic to process.
partition_index	The partition index to start with.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```

DescribeTopicPartitions Response (Version: 0) => throttle_time_ms [topics]
throttle_time_ms => INT32
topics => error_code name topic_id is_internal [partitions] topic_authori
error_code => INT16

```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
error_code => INT16
partition_index => INT32
leader_id => INT32
leader_epoch => INT32
replica_nodes => INT32
isr_nodes => INT32
eligible_leader_replicas => INT32
last_known_elr => INT32
offline_replicas => INT32
topic_authorized_operations => INT32
next_cursor => topic_name partition_index _tagged_fields
topic_name => COMPACT_STRING
partition_index => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
topics	Each topic in the response.
error_code	The topic error, or 0 if there was no error.
name	The topic name.
topic_id	The topic id.
is_internal	True if the topic is internal.
partitions	Each partition in the topic.
error_code	The partition error, or 0 if there was no error.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

replica_nodes	The set of all nodes that host this partition.
isr_nodes	The set of nodes that are in sync with the leader for this partition.
eligible_leader_replicas	The new eligible leader replicas otherwise.
last_known_elr	The last known ELR.
offline_replicas	The set of offline replicas of this partition.
_tagged_fields	The tagged fields
topic_authorized_operations	32-bit bitfield to represent authorized operations for this topic.
_tagged_fields	The tagged fields
next_cursor	The next topic and partition index to fetch details for.
topic_name	The name for the first topic to process.
partition_index	The partition index to start with.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ShareGroupHeartbeat API (Key: 76):

Requests:

```
ShareGroupHeartbeat Request (Version: 1) => group_id member_id member_epoch
group_id => COMPACT_STRING
member_id => COMPACT_STRING
member_epoch => INT32
rack_id => COMPACT_NULLABLE_STRING
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

FIELD	DESCRIPTION
group_id	The group identifier.
member_id	The member id generated by the consumer. The member id must be kept during the entire lifetime of the consumer process.
member_epoch	The current member epoch; 0 to join the group; -1 to leave the group.
rack_id	null if not provided or if it didn't change since the last heartbeat; the rack ID of consumer otherwise.
subscribed_topic_names	null if it didn't change since the last heartbeat; the subscribed topic names otherwise.
_tagged_fields	The tagged fields

Responses:

```

ShareGroupHeartbeat Response (Version: 1) => throttle_time_ms error_code er
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
member_id => COMPACT_NULLABLE_STRING
member_epoch => INT32
heartbeat_interval_ms => INT32
assignment => [topic_partitions] _tagged_fields
topic_partitions => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => INT32

```

Response header version: 1

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	zero if the request did not violate any quota.
error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
member_id	The member ID is generated by the consumer and provided by the consumer for all requests.
member_epoch	The member epoch.
heartbeat_interval_ms	The heartbeat interval in milliseconds.
assignment	null if not provided; the assignment otherwise.
topic_partitions	The partitions assigned to the member.
topic_id	The topic ID.
partitions	The partitions.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ShareGroupDescribe API (Key: 77):**Requests:**

```
ShareGroupDescribe Request (Version: 1) => [group_ids] include_authorized_operations
  group_ids => COMPACT_STRING
  include_authorized_operations => BOOLEAN
```

Request header version: 2

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	OAD
include_authorized_operations			VIEWER TO INCLUDE AUTHORIZED OPERATIONS.		KAFKA
_tagged_fields			The tagged fields		

Responses:

```
ShareGroupDescribe Response (Version: 1) => throttle_time_ms [groups] _tagg
throttle_time_ms => INT32
groups => error_code error_message group_id group_state group_epoch assign
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
group_id => COMPACT_STRING
group_state => COMPACT_STRING
group_epoch => INT32
assignment_epoch => INT32
assignor_name => COMPACT_STRING
members => member_id rack_id member_epoch client_id client_host [subscr
member_id => COMPACT_STRING
rack_id => COMPACT_NULLABLE_STRING
member_epoch => INT32
client_id => COMPACT_STRING
client_host => COMPACT_STRING
subscribed_topic_names => COMPACT_STRING
assignment => [topic_partitions] _tagged_fields
topic_partitions => topic_id topic_name [partitions] _tagged_fields
topic_id => UUID
topic_name => COMPACT_STRING
partitions => INT32
authorized_operations => INT32
```

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
groups	Each described group.
error_code	The describe error, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
group_epoch	The group epoch.
assignment_epoch	The assignment epoch.
assignor_name	The selected assignor.
members	The members.
member_id	The member ID.
rack_id	The member rack ID.
member_epoch	The current member epoch.
client_id	The client ID.
client_host	The client host.
subscribed_topic_names	The subscribed topic names.
assignment	The current assignment.
topic_partitions	The assigned topic-partitions to the member.
topic_id	The topic ID.
topic_name	The topic name.
partitions	The partitions.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

authorized_operations	for this group.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ShareFetch API (Key: 78):

Requests:

```
ShareFetch Request (Version: 1) => group_id member_id share_session_epoch m  
group_id => COMPACT_NULLABLE_STRING  
member_id => COMPACT_NULLABLE_STRING  
share_session_epoch => INT32  
max_wait_ms => INT32  
min_bytes => INT32  
max_bytes => INT32  
max_records => INT32  
batch_size => INT32  
topics => topic_id [partitions] _tagged_fields  
topic_id => UUID  
partitions => partition_index [acknowledgement_batches] _tagged_fields  
partition_index => INT32  
acknowledgement_batches => first_offset last_offset [acknowledge_type]  
first_offset => INT64  
last_offset => INT64  
acknowledge_types => INT8  
forgotten_topics_data => topic_id [partitions] _tagged_fields  
topic_id => UUID  
partitions => INT32
```

Request header version: 2

MEMBER_ID	THE MEMBER ID.
share_session_epoch	The current share session epoch: 0 to open a share session; -1 to close it; otherwise increments for consecutive requests.
max_wait_ms	The maximum time in milliseconds to wait for the response.
min_bytes	The minimum bytes to accumulate in the response.
max_bytes	The maximum bytes to fetch. See KIP-74 for cases where this limit may not be honored.
max_records	The maximum number of records to fetch. This limit can be exceeded for alignment of batch boundaries.
batch_size	The optimal number of records for batches of acquired records and acknowledgements.
topics	The topics to fetch.
topic_id	The unique topic ID.
partitions	The partitions to fetch.
partition_index	The partition index.
acknowledgement_batches	Record batches to acknowledge.
first_offset	First offset of batch of records to acknowledge.
last_offset	Last offset (inclusive) of batch of records to acknowledge.
acknowledge_types	Array of acknowledge types - 0:Gap,1:Accept,2:Release,3:Reject.
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topic_id	The unique topic ID.
partitions	The partitions indexes to forget.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
ShareFetch Response (Version: 1) => throttle_time_ms error_code error_message
    throttle_time_ms => INT32
    error_code => INT16
    error_message => COMPACT_NULLABLE_STRING
    acquisition_lock_timeout_ms => INT32
    responses => topic_id [partitions] _tagged_fields
        topic_id => UUID
        partitions => partition_index error_code error_message acknowledge_error_code
            partition_index => INT32
            error_code => INT16
            error_message => COMPACT_NULLABLE_STRING
            acknowledge_error_code => INT16
            acknowledge_error_message => COMPACT_NULLABLE_STRING
        current_leader => leader_id leader_epoch _tagged_fields
            leader_id => INT32
            leader_epoch => INT32
        records => COMPACT_RECORDS
        acquired_records => first_offset last_offset delivery_count _tagged_fields
            first_offset => INT64
            last_offset => INT64
            delivery_count => INT16
    node_endpoints => node_id host port rack _tagged_fields
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top-level response error code.
error_message	The top-level error message, or null if there was no error.
acquisition_lock_timeout_ms	The time in milliseconds for which the acquired records are locked.
responses	The response topics.
topic_id	The unique topic ID.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The fetch error code, or 0 if there was no fetch error.
error_message	The fetch error message, or null if there was no fetch error.
acknowledge_error_code	The acknowledge error code, or 0 if there was no acknowledge error.
acknowledge_error_message	The acknowledge error message, or null if there was no acknowledge error.
current_leader	The current leader of the partition.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields
records	The record data.
acquired_records	The acquired records.
first_offset	The earliest offset in this batch of acquired records.
last_offset	The last offset of this batch of acquired records.
delivery_count	The delivery count of this batch of acquired records.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
node_endpoints	Endpoints for all current leaders enumerated in PartitionData with error NOT_LEADER_OR_FOLLOWER.
node_id	The ID of the associated node.
host	The node's hostname.
port	The node's port.
rack	The rack of the node, or null if it has not been assigned to a rack.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ShareAcknowledge API (Key: 79):

Requests:

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
share_session_epoch => INT32
topics => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition_index [acknowledgement_batches] _tagged_fields
partition_index => INT32
acknowledgement_batches => first_offset last_offset [acknowledge_type]
first_offset => INT64
last_offset => INT64
acknowledge_types => INT8
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
member_id	The member ID.
share_session_epoch	The current share session epoch: 0 to open a share session; -1 to close it; otherwise increments for consecutive requests.
topics	The topics containing records to acknowledge.
topic_id	The unique topic ID.
partitions	The partitions containing records to acknowledge.
partition_index	The partition index.
acknowledgement_batches	Record batches to acknowledge.
first_offset	First offset of batch of records to acknowledge.
last_offset	Last offset (inclusive) of batch of records to

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields

Responses:

```
ShareAcknowledge Response (Version: 1) => throttle_time_ms error_code error
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
responses => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition_index error_code error_message current_leader _
partition_index => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
current_leader => leader_id leader_epoch _tagged_fields
leader_id => INT32
leader_epoch => INT32
node_endpoints => node_id host port rack _tagged_fields
node_id => INT32
host => COMPACT_STRING
port => INT32
rack => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The top level response error code.
error_message	The top-level error message, or null if there was no error.
responses	The response topics.
topic_id	The unique topic ID.
partitions	The topic partitions.
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
current_leader	The current leader of the partition.
leader_id	The ID of the current leader or -1 if the leader is unknown.
leader_epoch	The latest known leader epoch.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
node_endpoints	Endpoints for all current leaders enumerated in PartitionData with error NOT_LEADER_OR_FOLLOWER.
node_id	The ID of the associated node.
host	The node's hostname.
port	The node's port.
rack	The rack of the node, or null if it has not been assigned to a rack.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

AddRaftVoter API (Key: 80):

Requests:

```
AddRaftVoter Request (Version: 0) => cluster_id timeout_ms voter_id voter_directory_id
cluster_id => COMPACT_NULLABLE_STRING
timeout_ms => INT32
voter_id => INT32
voter_directory_id => UUID
listeners => name host port _tagged_fields
  name => COMPACT_STRING
  host => COMPACT_STRING
  port => UINT16
```

Request header version: 2

FIELD	DESCRIPTION
cluster_id	The cluster id.
timeout_ms	The maximum time to wait for the request to complete before returning.
voter_id	The replica id of the voter getting added to the topic partition.
voter_directory_id	The directory id of the voter getting added to the topic partition.
listeners	The endpoints that can be used to communicate with the voter.
name	The name of the endpoint.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)[_tagged_fields](#)

The tagged fields

Responses:

```
AddRaftVoter Response (Version: 0) => throttle_time_ms error_code error_message
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields

RemoveRaftVoter API (Key: 81):**Requests:**

```
RemoveRaftVoter Request (Version: 0) => cluster_id voter_id voter_directory
cluster_id => COMPACT_NULLABLE_STRING
voter_id => INT32
voter_directory_id => UUID
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

cluster_id	The cluster id of the request.
voter_id	The replica id of the voter getting removed from the topic partition.
voter_directory_id	The directory id of the voter getting removed from the topic partition.
_tagged_fields	The tagged fields

Responses:

```
RemoveRaftVoter Response (Version: 0) => throttle_time_ms error_code error_
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields

InitializeShareGroupState API (Key: 83):

Requests:

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
topic_id => UUID
partitions => partition state_epoch start_offset _tagged_fields
partition => INT32
state_epoch => INT32
start_offset => INT64
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
topics	The data for the topics.
topic_id	The topic identifier.
partitions	The data for the partitions.
partition	The partition index.
state_epoch	The state epoch for this share-partition.
start_offset	The share-partition start offset, or -1 if the start offset is not being initialized.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
InitializeShareGroupState Response (Version: 0) => [results] _tagged_fields
results => topic_id [partitions] _tagged_fields
topic_id => UUID
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[LOAD
KAFKA](#)

Response header version: 1

FIELD	DESCRIPTION
results	The initialization results.
topic_id	The topic identifier.
partitions	The results for the partitions.
partition	The partition index.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ReadShareGroupState API (Key: 84):

Requests:

```
ReadShareGroupState Request (Version: 0) => group_id [topics] _tagged_field
group_id => COMPACT_STRING
topics => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition leader_epoch _tagged_fields
partition => INT32
leader_epoch => INT32
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

group_id	The group identifier.
topics	The data for the topics.
topic_id	The topic identifier.
partitions	The data for the partitions.
partition	The partition index.
leader_epoch	The leader epoch of the share-partition.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
ReadShareGroupState Response (Version: 0) => [results] _tagged_fields
  results => topic_id [partitions] _tagged_fields
    topic_id => UUID
    partitions => partition error_code error_message state_epoch start_offsets
      partition => INT32
      error_code => INT16
      error_message => COMPACT_NULLABLE_STRING
      state_epoch => INT32
      start_offset => INT64
      state_batches => first_offset last_offset delivery_state delivery_count
        first_offset => INT64
        last_offset => INT64
        delivery_state => INT8
        delivery_count => INT16
```

Response header version: 1

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

<code>topic_id</code>	The topic identifier.
<code>partitions</code>	The results for the partitions.
<code>partition</code>	The partition index.
<code>error_code</code>	The error code, or 0 if there was no error.
<code>error_message</code>	The error message, or null if there was no error.
<code>state_epoch</code>	The state epoch of the share-partition.
<code>start_offset</code>	The share-partition start offset, which can be -1 if it is not yet initialized.
<code>state_batches</code>	The state batches for this share-partition.
<code>first_offset</code>	The first offset of this state batch.
<code>last_offset</code>	The last offset of this state batch.
<code>delivery_state</code>	The delivery state - 0:Available,2:Acked,4:Archived.
<code>delivery_count</code>	The delivery count.
<code>_tagged_fields</code>	The tagged fields

WriteShareGroupState API (Key: 85):

Requests:

```
WriteShareGroupState Request (Version: 0) => group_id [topics] _tagged_field
group_id => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
state_epoch => INT32
leader_epoch => INT32
start_offset => INT64
state_batches => first_offset last_offset delivery_state delivery_count
    first_offset => INT64
    last_offset => INT64
    delivery_state => INT8
    delivery_count => INT16
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
topics	The data for the topics.
topic_id	The topic identifier.
partitions	The data for the partitions.
partition	The partition index.
state_epoch	The state epoch of the share-partition.
leader_epoch	The leader epoch of the share-partition.
start_offset	The share-partition start offset, or -1 if the start offset is not being written.
state_batches	The state batches for the share-partition.
first_offset	The first offset of this state batch.
last_offset	The last offset of this state batch.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

_tagged_fields	The tagged fields

Responses:

```
WriteShareGroupState Response (Version: 0) => [results] _tagged_fields
  results => topic_id [partitions] _tagged_fields
    topic_id => UUID
    partitions => partition error_code error_message _tagged_fields
      partition => INT32
      error_code => INT16
      error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

FIELD	DESCRIPTION
results	The write results.
topic_id	The topic identifier.
partitions	The results for the partitions.
partition	The partition index.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Requests:

```
DeleteShareGroupState Request (Version: 0) => group_id [topics] _tagged_fileds  
group_id => COMPACT_STRING  
topics => topic_id [partitions] _tagged_fileds  
topic_id => UUID  
partitions => partition _tagged_fileds  
partition => INT32
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
topics	The data for the topics.
topic_id	The topic identifier.
partitions	The data for the partitions.
partition	The partition index.
_tagged_fileds	The tagged fileds
_tagged_fileds	The tagged fileds
_tagged_fileds	The tagged fileds

Responses:

```
DeleteShareGroupState Response (Version: 0) => [results] _tagged_fileds  
results => topic_id [partitions] _tagged_fileds  
topic_id => UUID  
partitions => partition error_code error_message _tagged_fileds
```

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

Response header version: 1

FIELD	DESCRIPTION
results	The delete results.
topic_id	The topic identifier.
partitions	The results for the partitions.
partition	The partition index.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

ReadShareGroupStateSummary API (Key: 87):**Requests:**

```
ReadShareGroupStateSummary Request (Version: 0) => group_id [topics] _tagge
group_id => COMPACT_STRING
topics => topic_id [partitions] _tagged_fields
topic_id => UUID
partitions => partition leader_epoch _tagged_fields
partition => INT32
leader_epoch => INT32
```

Request header version: 2

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

topics	THE DATA FOR THE TOPICS.
topic_id	The topic identifier.
partitions	The data for the partitions.
partition	The partition index.
leader_epoch	The leader epoch of the share-partition.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
ReadShareGroupStateSummary Response (Version: 0) => [results] _tagged_field
  results => topic_id [partitions] _tagged_fields
    topic_id => UUID
    partitions => partition error_code error_message state_epoch leader_epoch
      partition => INT32
      error_code => INT16
      error_message => COMPACT_NULLABLE_STRING
      state_epoch => INT32
      leader_epoch => INT32
      start_offset => INT64
```

Response header version: 1

FIELD	DESCRIPTION
results	The read results.
topic_id	The topic identifier.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

error_message	The error message, or null if there was no error.
state_epoch	The state epoch of the share-partition.
leader_epoch	The leader epoch of the share-partition.
start_offset	The share-partition start offset.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

StreamsGroupHeartbeat API (Key: 88):

Requests:

```

StreamsGroupHeartbeat Request (Version: 0) => group_id member_id member_epo
group_id => COMPACT_STRING
member_id => COMPACT_STRING
member_epoch => INT32
endpoint_information_epoch => INT32
instance_id => COMPACT_NULLABLE_STRING
rack_id => COMPACT_NULLABLE_STRING
rebalance_timeout_ms => INT32
topology => epoch [subtopologies] _tagged_fields
epoch => INT32
subtopologies => subtopology_id [source_topics] [source_topic_regex] [s
subtopology_id => COMPACT_STRING
source_topics => COMPACT_STRING
source_topic_regex => COMPACT_STRING
state_changelog_topics => name partitions replication_factor [topic_c
name => COMPACT_STRING

```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
value => COMPACT_STRING
repartition_sink_topics => COMPACT_STRING
repartition_source_topics => name partitions replication_factor [topic]
    name => COMPACT_STRING
    partitions => INT32
    replication_factor => INT16
    topic_configs => key value _tagged_fields
        key => COMPACT_STRING
        value => COMPACT_STRING
copartition_groups => [source_topics] [source_topic_regex] [repartition]
    source_topics => INT16
    source_topic_regex => INT16
    repartition_source_topics => INT16
active_tasks => subtopology_id [partitions] _tagged_fields
    subtopology_id => COMPACT_STRING
    partitions => INT32
standby_tasks => subtopology_id [partitions] _tagged_fields
    subtopology_id => COMPACT_STRING
    partitions => INT32
warmup_tasks => subtopology_id [partitions] _tagged_fields
    subtopology_id => COMPACT_STRING
    partitions => INT32
process_id => COMPACT_NULLABLE_STRING
user_endpoint => host port _tagged_fields
    host => COMPACT_STRING
    port => UINT16
client_tags => key value _tagged_fields
    key => COMPACT_STRING
    value => COMPACT_STRING
task_offsets => subtopology_id partition offset _tagged_fields
    subtopology_id => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

partition => INT32
offset => INT64
shutdown_application => BOOLEAN

This version of the request is unstable.

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
member_id	The member ID generated by the streams consumer. The member ID must be kept during the entire lifetime of the streams consumer process.
member_epoch	The current member epoch; 0 to join the group; -1 to leave the group; -2 to indicate that the static member will rejoin.
endpoint_information_epoch	The current endpoint epoch of this client, represents the latest endpoint epoch this client received
instance_id	null if not provided or if it didn't change since the last heartbeat; the instance ID for static membership otherwise.
rack_id	null if not provided or if it didn't change since the last heartbeat; the rack ID of the member otherwise.
rebalance_timeout_ms	-1 if it didn't change since the last heartbeat; the maximum time in milliseconds that the

topology	application. Used to initialize the topology of the group and to check if the topology corresponds to the topology initialized for the group. Only sent when memberEpoch = 0, must be non-empty. Null otherwise.
epoch	The epoch of the topology. Used to check if the topology corresponds to the topology initialized on the brokers.
subtopologies	The sub-topologies of the streams application.
subtopology_id	String to uniquely identify the subtopology. Deterministically generated from the topology
source_topics	The topics the topology reads from.
source_topic_regex	The regular expressions identifying topics the subtopology reads from.
state_changelog_topics	The set of state changelog topics associated with this subtopology. Created automatically.
name	The name of the topic.
partitions	The number of partitions in the topic. Can be 0 if no specific number of partitions is enforced. Always 0 for changelog topics.
replication_factor	The replication factor of the topic. Can be 0 if the default replication factor should be used.
topic_configs	Topic-level configurations as key-value pairs.
key	key of the config
value	value of the config
_tagged_fields	The tagged fields

GET STARTED	DOCS	POWERED BY	COMMUNITY	APACHE	OAD KAFKA
repartition_source_topics					created repartition topics. Created automatically.
copartition_groups					A subset of source topics that must be copartitioned.
source_topics					The topics the topology reads from. Index into the array on the subtopology level.
source_topic_regex					Regular expressions identifying topics the subtopology reads from. Index into the array on the subtopology level.
repartition_source_topics					The set of source topics that are internally created repartition topics. Index into the array on the subtopology level.
_tagged_fields					The tagged fields
_tagged_fields					The tagged fields
_tagged_fields					The tagged fields
active_tasks					Currently owned active tasks for this client. Null if unchanged since last heartbeat.
subtopology_id					The subtopology identifier.
partitions					The partitions of the input topics processed by this member.
_tagged_fields					The tagged fields
standby_tasks					Currently owned standby tasks for this client. Null if unchanged since last heartbeat.
warmup_tasks					Currently owned warm-up tasks for this client. Null if unchanged since last heartbeat.
process_id					Identity of the streams instance that may have multiple consumers. Null if unchanged since last

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

Defined on the client.	
host	host of the endpoint
port	port of the endpoint
_tagged_fields	The tagged fields
client_tags	Used for rack-aware assignment algorithm. Null if unchanged since last heartbeat.
task_offsets	Cumulative changelog offsets for tasks. Only updated when a warm-up task has caught up, and according to the task offset interval. Null if unchanged since last heartbeat.
subtopology_id	The subtopology identifier.
partition	The partition.
offset	The offset.
_tagged_fields	The tagged fields
task_end_offsets	Cumulative changelog end-offsets for tasks. Only updated when a warm-up task has caught up, and according to the task offset interval. Null if unchanged since last heartbeat.
shutdown_application	Whether all Streams clients in the group should shut down.
_tagged_fields	The tagged fields

Responses:

```
StreamsGroupHeartbeat Response (Version: 0) => throttle_time_ms error_code
throttle_time_ms => INT32
error_code => INT16
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
acceptable_recovery_lag => INT32
task_offset_interval_ms => INT32
status => status_code status_detail _tagged_fields
    status_code => INT8
    status_detail => COMPACT_STRING
active_tasks => subtopology_id [partitions] _tagged_fields
    subtopology_id => COMPACT_STRING
    partitions => INT32
standby_tasks => subtopology_id [partitions] _tagged_fields
    subtopology_id => COMPACT_STRING
    partitions => INT32
warmup_tasks => subtopology_id [partitions] _tagged_fields
    subtopology_id => COMPACT_STRING
    partitions => INT32
endpoint_information_epoch => INT32
partitions_by_user_endpoint => user_endpoint [active_partitions] [standby]
    user_endpoint => host port _tagged_fields
        host => COMPACT_STRING
        port => UINT16
active_partitions => topic [partitions] _tagged_fields
    topic => COMPACT_STRING
    partitions => INT32
standby_partitions => topic [partitions] _tagged_fields
    topic => COMPACT_STRING
    partitions => INT32
```

Response header version: 1

FIELD	DESCRIPTION
-------	-------------

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The top-level error code, or 0 if there was no error
error_message	The top-level error message, or null if there was no error.
member_id	The member id is always generated by the streams consumer.
member_epoch	The member epoch.
heartbeat_interval_ms	The heartbeat interval in milliseconds.
acceptable_recovery_lag	The maximal lag a warm-up task can have to be considered caught-up.
task_offset_interval_ms	The interval in which the task changelog offsets on a client are updated on the broker. The offsets are sent with the next heartbeat after this time has passed.
status	Indicate zero or more status for the group. Null if unchanged since last heartbeat.
status_code	A code to indicate that a particular status is active for the group membership
status_detail	A string representation of the status.
_tagged_fields	The tagged fields
active_tasks	Assigned active tasks for this client. Null if unchanged since last heartbeat.
subtopology_id	The subtopology identifier.
partitions	The partitions of the input topics processed by this member.
_tagged_fields	The tagged fields

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

	unchanged since last heartbeat.
endpoint_information_epoch	The endpoint epoch set in the response
partitions_by_user_endpoint	Global assignment information used for IQ. Null if unchanged since last heartbeat.
user_endpoint	User-defined endpoint to connect to the node
host	host of the endpoint
port	port of the endpoint
_tagged_fields	The tagged fields
active_partitions	All topic partitions materialized by active tasks on the node
topic	topic name
partitions	partitions
_tagged_fields	The tagged fields
standby_partitions	All topic partitions materialized by standby tasks on the node
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

StreamsGroupDescribe API (Key: 89):

Requests:

```
StreamsGroupDescribe Request (Version: 0) => [group_ids] include_authorized
group_ids => COMPACT_STRING
include_authorized_operations => BOOLEAN
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

FIELD	DESCRIPTION
group_ids	The ids of the groups to describe
include_authorized_operations	Whether to include authorized operations.
_tagged_fields	The tagged fields

Responses:

```
StreamsGroupDescribe Response (Version: 0) => throttle_time_ms [groups] _ta
throttle_time_ms => INT32
groups => error_code error_message group_id group_state group_epoch assign
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
group_id => COMPACT_STRING
group_state => COMPACT_STRING
group_epoch => INT32
assignment_epoch => INT32
topology => epoch [subtopologies] _tagged_fields
epoch => INT32
subtopologies => subtopology_id [source_topics] [repartition_sink_top
subtopology_id => COMPACT_STRING
source_topics => COMPACT_STRING
repartition_sink_topics => COMPACT_STRING
state_changelog_topics => name partitions replication_factor [topic
name => COMPACT_STRING
partitions => INT32
replication_factor => INT16
topic_configs => key value _tagged_fields
key => COMPACT_STRING
value => COMPACT_STRING
repartition_source_topics => name partitions replication_factor [to
```

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
key => COMPACT_STRING
value => COMPACT_STRING
members => member_id member_epoch instance_id rack_id client_id client_
member_id => COMPACT_STRING
member_epoch => INT32
instance_id => COMPACT_NULLABLE_STRING
rack_id => COMPACT_NULLABLE_STRING
client_id => COMPACT_STRING
client_host => COMPACT_STRING
topology_epoch => INT32
process_id => COMPACT_STRING
user_endpoint => host port _tagged_fields
    host => COMPACT_STRING
    port => UINT16
client_tags => key value _tagged_fields
    key => COMPACT_STRING
    value => COMPACT_STRING
task_offsets => subtopology_id partition offset _tagged_fields
    subtopology_id => COMPACT_STRING
    partition => INT32
    offset => INT64
task_end_offsets => subtopology_id partition offset _tagged_fields
    subtopology_id => COMPACT_STRING
    partition => INT32
    offset => INT64
assignment => [active_tasks] [standby_tasks] [warmup_tasks] _tagged_f
    active_tasks => subtopology_id [partitions] _tagged_fields
        subtopology_id => COMPACT_STRING
        partitions => INT32
    standby_tasks => subtopology_id [partitions] _tagged_fields
        subtopology_id => COMPACT_STRING
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
target_assignment => [active_tasks] [standby_tasks] [warmup_tasks] _t
    active_tasks => subtopology_id [partitions] _tagged_fields
        subtopology_id => COMPACT_STRING
        partitions => INT32
    standby_tasks => subtopology_id [partitions] _tagged_fields
        subtopology_id => COMPACT_STRING
        partitions => INT32
    warmup_tasks => subtopology_id [partitions] _tagged_fields
        subtopology_id => COMPACT_STRING
        partitions => INT32
    is_classic => BOOLEAN
authorized_operations => INT32
```

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
groups	Each described group.
error_code	The describe error, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
group_id	The group ID string.
group_state	The group state string, or the empty string.
group_epoch	The group epoch.
assignment_epoch	The assignment epoch.

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

epoch	The epoch of the currently initialized topology for this group.
subtopologies	The subtopologies of the streams application. This contains the configured subtopologies, where the number of partitions are set and any regular expressions are resolved to actual topics. Null if the group is uninitialized, source topics are missing or incorrectly partitioned.
subtopology_id	String to uniquely identify the subtopology.
source_topics	The topics the subtopology reads from.
repartition_sink_topics	The repartition topics the subtopology writes to.
state_changelog_topics	The set of state changelog topics associated with this subtopology. Created automatically.
name	The name of the topic.
partitions	The number of partitions in the topic. Can be 0 if no specific number of partitions is enforced. Always 0 for changelog topics.
replication_factor	The replication factor of the topic. Can be 0 if the default replication factor should be used.
topic_configs	Topic-level configurations as key-value pairs.
key	key of the config
value	value of the config
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
repartition_source_topics	The set of source topics that are internally created repartition topics. Created automatically.

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

member_id	The member ID.
member_epoch	The member epoch.
instance_id	The member instance ID for static membership.
rack_id	The rack ID.
client_id	The client ID.
client_host	The client host.
topology_epoch	The epoch of the topology on the client.
process_id	Identity of the streams instance that may have multiple clients.
user_endpoint	User-defined endpoint for Interactive Queries. Null if not defined for this client.
host	host of the endpoint
port	port of the endpoint
_tagged_fields	The tagged fields
client_tags	Used for rack-aware assignment algorithm.
task_offsets	Cumulative changelog offsets for tasks.
subtopology_id	The subtopology identifier.
partition	The partition.
offset	The offset.
_tagged_fields	The tagged fields
task_end_offsets	Cumulative changelog end offsets for tasks.
assignment	The current assignment.
active_tasks	Active tasks for this client.

GET
STARTED

DOCS

POWERED
BY

COMMUNITY

APACHE

KAFKA

OAD

_tagged_fields	The tagged fields
standby_tasks	Standby tasks for this client.
warmup_tasks	Warm-up tasks for this client.
_tagged_fields	The tagged fields
target_assignment	The target assignment.
is_classic	True for classic members that have not been upgraded yet.
_tagged_fields	The tagged fields
authorized_operations	32-bit bitfield to represent authorized operations for this group.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DescribeShareGroupOffsets API (Key: 90):

Requests:

```
DescribeShareGroupOffsets Request (Version: 0) => [groups] _tagged_fields
  groups => group_id [topics] _tagged_fields
    group_id => COMPACT_STRING
    topics => topic_name [partitions] _tagged_fields
      topic_name => COMPACT_STRING
      partitions => INT32
```

Request header version: 2

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

group_id	The group identifier.
topics	The topics to describe offsets for, or null for all topic-partitions.
topic_name	The topic name.
partitions	The partitions.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
DescribeShareGroupOffsets Response (Version: 0) => throttle_time_ms [groups
    throttle_time_ms => INT32
    groups => group_id [topics] error_code error_message _tagged_fields
        group_id => COMPACT_STRING
        topics => topic_name topic_id [partitions] _tagged_fields
            topic_name => COMPACT_STRING
            topic_id => UUID
            partitions => partition_index start_offset leader_epoch error_code er
                partition_index => INT32
                start_offset => INT64
                leader_epoch => INT32
                error_code => INT16
                error_message => COMPACT_NULLABLE_STRING
                error_code => INT16
                error_message => COMPACT_NULLABLE_STRING
```

Response header version: 1

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

	zero if the request did not violate any quota.
groups	The results for each group.
group_id	The group identifier.
topics	The results for each topic.
topic_name	The topic name.
topic_id	The unique topic ID.
partitions	
partition_index	The partition index.
start_offset	The share-partition start offset.
leader_epoch	The leader epoch of the partition.
error_code	The partition-level error code, or 0 if there was no error.
error_message	The partition-level error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
error_code	The group-level error code, or 0 if there was no error.
error_message	The group-level error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

AlterShareGroupOffsets API (Key: 91):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```
group_id => COMPACT_STRING
topics => topic_name [partitions] _tagged_fields
topic_name => COMPACT_STRING
partitions => partition_index start_offset _tagged_fields
partition_index => INT32
start_offset => INT64
```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
topics	The topics to alter offsets for.
topic_name	The topic name.
partitions	Each partition to alter offsets for.
partition_index	The partition index.
start_offset	The share-partition start offset.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```
AlterShareGroupOffsets Response (Version: 0) => throttle_time_ms error_code
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
responses => topic_name topic_id [partitions] _tagged_fields
```

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code => INT16
error_message => COMPACT_NULLABLE_STRING

Response header version: 1

FIELD	DESCRIPTION
throttle_time_ms	The duration in milliseconds for which the request was throttled due to a quota violation, or zero if the request did not violate any quota.
error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
responses	The results for each topic.
topic_name	The topic name.
topic_id	The unique topic ID.
partitions	
partition_index	The partition index.
error_code	The error code, or 0 if there was no error.
error_message	The error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

DeleteShareGroupOffsets API (Key: 92):

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

```

topics => topic_name _tagged_fields
topic_name => COMPACT_STRING

```

Request header version: 2

FIELD	DESCRIPTION
group_id	The group identifier.
topics	The topics to delete offsets for.
topic_name	The topic name.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Responses:

```

DeleteShareGroupOffsets Response (Version: 0) => throttle_time_ms error_code
throttle_time_ms => INT32
error_code => INT16
error_message => COMPACT_NULLABLE_STRING
responses => topic_name topic_id error_code error_message _tagged_fields
topic_name => COMPACT_STRING
topic_id => UUID
error_code => INT16
error_message => COMPACT_NULLABLE_STRING

```

Response header version: 1

FIELD	DESCRIPTION

[GET STARTED](#)[DOCS](#)[POWERED BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

error_code	The top-level error code, or 0 if there was no error.
error_message	The top-level error message, or null if there was no error.
responses	The results for each topic.
topic_name	The topic name.
topic_id	The unique topic ID.
error_code	The topic-level error code, or 0 if there was no error.
error_message	The topic-level error message, or null if there was no error.
_tagged_fields	The tagged fields
_tagged_fields	The tagged fields

Some Common Philosophical Questions

Some people have asked why we don't use HTTP. There are a number of reasons, the best is that client implementors can make use of some of the more advanced TCP features—the ability to multiplex requests, the ability to simultaneously poll many connections, etc. We have also found HTTP libraries in many languages to be surprisingly shabby.

Others have asked if maybe we shouldn't support many different protocols. Prior experience with this was that it makes it very hard to add and test new features if they have to be ported across many protocol implementations. Our feeling is that most users don't really see multiple protocols as a feature, they just want a good reliable client in the language of their choice.

Another question is why we don't adopt XMPP, STOMP, AMQP or an existing protocol. The answer to this varies by protocol, but in general the problem is that the protocol does determine large parts of the implementation and we couldn't do what we are doing if we didn't have control over the protocol. Our belief is that it is possible to do better than existing messaging systems have in providing a truly

[GET
STARTED](#)[DOCS](#)[POWERED
BY](#)[COMMUNITY](#)[APACHE](#)[KAFKA](#)[OAD](#)

However we have only a few messages. Support across languages is somewhat spotty (depending on the package). Finally the mapping between binary log format and wire protocol is something we manage somewhat carefully and this would not be possible with these systems. Finally we prefer the style of versioning APIs explicitly and checking this to inferring new values as nulls as it allows more nuanced control of compatibility.

The contents of this website are © 2025 [Apache Software Foundation](#) under the terms of the [Apache License v2](#). Apache Kafka, Kafka, and the Kafka logo are either registered trademarks or trademarks of The Apache Software Foundation in the United States and other countries.

[Security](#) | [Donate](#) | [Thanks](#) | [Events](#) | [License](#) | [Privacy](#)

