

JetStream Extended Purge

Metadata	Value
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Context

JetStream provides the ability to purge streams by sending a request message to: `$JS.API.STREAM.PURGE.<streamName>`. The request will return a new message with the following JSON:

```
{
  type: "io.nats.jetstream.api.v1.stream_purge_response",
  error?: ApiError,
  success: boolean,
  purged: number
}
```

The `error` field is an `ApiError`. The `success` field will be set to `true` if the request succeeded. The `purged` field will be set to the number of messages that were purged from the stream.

Options

More fine-grained control over the purge request can be achieved by specifying additional options as JSON payload.

```
{
  seq?: number,
  keep?: number,
  filter?: string
}
```

- `seq` is the optional upper-bound sequence for messages to be deleted (non-inclusive)
- `keep` is the maximum number of messages to be retained (might be less depending on whether the specified count is available).
- The options `seq` and `keep` are mutually exclusive.
- `filter` is an optional subject (may include wildcards) to filter on. Only messages matching the filter will be purged.
- `filter` and `seq` purges all messages matching filter having a sequence number lower than the value specified.

- **filter** and **keep** purges all messages matching filter keeping at most the specified number of messages.
- If **seq** or **keep** is specified, but **filter** is not, the stream will remove/keep the specified number of messages.
- To **keep** *N* number of messages for multiple subjects, invoke **purge** with different **filters**.
- If no options are provided, all messages are purged.

Consequences

Tooling and services can use this endpoint to remove messages in creative ways. For example, a stream may contain a number of samples, at periodic intervals a service can sum them all and replace them with a single aggregate.