

Metadata for Stream and Consumer

Metadata	Value
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Context and Problem Statement

Until now, there was no way to easily add additional information about Stream or Consumer. The only solution was using **Description** field, which is a not ergonomic workaround.

Server PR

<https://github.com/nats-io/nats-server/pull/3797>

Design

The solution is to add new **metadata** field to both **Consumer** and **Stream** config. The **metadata** field would be a map of **string** keys and **string** values.

JSON representation

The map would be represented in json as object with nested key/value pairs, which is a default way to marshal maps/hashmaps in most languages.

Size limit

To avoid abuse of the metadata, the size of it is limited to 128KB. Size is equal to len of all keys and values summed.

Reserved prefix

_nats is a reserved prefix. Will be used for any potential internals of server or clients. Server can lock its metadata to be immutable and deny any changes.

Example

```
{
  "durable_name": "consumer",
  ... // other consumer/stream fields
  "metadata": {
    "owner": "nack",
    "domain": "product",
```

```
    "_nats_created_version": "1.10.0"  
  }  
}
```