

NatsResponseJSONDeserializer

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Kind: Class

Source: `packages/microservices/serializers/nats-response-json.deserializer.ts`

Part of: [Microservices](#)

`NatsResponseJSONDeserializer` converts NATS response records containing JSON payloads into the framework's normalized `IncomingResponse` format. It extracts response metadata such as the correlation ID and disposal status so request-response clients can match replies to the originating request.

Extends: `IncomingResponseDeserializer`

Methods

Method	Signature	Returns
<code>deserialize</code>	<code>deserialize(value: Uint8Array, options: Record<string, any>)</code>	<code>IncomingResponse</code>

Diagram

```
graph LR
  A[NATS response record] --> B[NatsResponseJSONDeserializer]
  B --> C[Decode JSON response payload]
  B --> D[Read correlation and disposal headers]
  C --> E[IncomingResponse]
  D --> E
  E --> F[Client request-response handler]
```

Usage

```
import { NatsResponseJSONDeserializer } from '@nestjs/microservices';

const deserializer = new NatsResponseJSONDeserializer();

// `natsResponse` is the record received from a NATS reply subscription.
const incomingResponse = deserializer.deserialize(natsResponse);

console.log(incomingResponse.id);           // Correlation ID for the request
console.log(incomingResponse.response);    // Decoded JSON payload
console.log(incomingResponse.isDisposed); // Whether the response stream ended
```

AI Coding Instructions

- Use this deserializer for NATS request-response replies that contain JSON-encoded payloads.
- Preserve NATS response headers when creating or forwarding records; correlation and disposal metadata are required for correct request matching.
- Ensure response payloads are valid JSON before publishing them to NATS.
- Do not use this deserializer for arbitrary binary payloads; provide a custom deserializer when responses use another encoding.
- Keep the returned `IncomingResponse` shape compatible with the microservices client response-handling pipeline.

Relationships

- IMPORTS → `loadPackage`