

MessageRequestProperties

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Kind: Interface

Source: `packages/microservices/listener-metadata-explorer.ts`

Part of: [Microservices](#)

`MessageRequestProperties` describes the request and reply message patterns associated with a microservice listener. It groups the inbound `requestPattern` with the corresponding outbound `replyPattern`, allowing metadata exploration tools to identify request-response communication contracts.

Properties

Property	Type
<code>requestPattern</code>	<code>PatternMetadata</code>
<code>replyPattern</code>	<code>PatternMetadata</code>

Diagram

```
graph LR
  Listener[Listener[Microservice Listener Metadata]] --> Properties[Properties[MessageRequestProperties]]
  Properties --> Request[Request[requestPattern: PatternMetadata]]
  Properties --> Reply[Reply[replyPattern: PatternMetadata]]
  Request --> Incoming[Incoming[Incoming request message]]
  Reply --> Outgoing[Outgoing[Reply message]]
```

Usage

```
import type { MessageRequestProperties } from './listener-metadata-explorer';

const messageRequest: MessageRequestProperties = {
  requestPattern: {
```

```

    pattern: 'users.get',
  },
  replyPattern: {
    pattern: 'users.get.reply',
  },
};

// Use the metadata when inspecting or documenting listener contracts.
console.log(
  `Request pattern: ${messageRequest.requestPattern.pattern}`,
);
console.log(
  `Reply pattern: ${messageRequest.replyPattern.pattern}`,
);

```

AI Coding Instructions

- Keep `requestPattern` and `replyPattern` paired when representing request-response message handlers.
- Use valid `PatternMetadata` objects for both fields; do not substitute raw strings unless the metadata type explicitly permits them.
- Preserve the distinction between request and reply patterns when inspecting listener metadata or generating documentation.
- Update consumers of listener metadata if the shape or semantics of either pattern changes.