

ParseEnumPipeOptions

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Kind: Interface

Source: `packages/common/pipes/parse-enum.pipe.ts`

Part of: [Common](#)

`ParseEnumPipeOptions` configures the behavior of NestJS's `ParseEnumPipe`, which validates that an incoming value belongs to a specified enum. It lets callers control whether a value is optional, which HTTP status code is returned for invalid values, and how validation exceptions are created.

Properties

Property	Type
<code>optional</code>	<code>boolean</code>
<code>errorHttpStatusCode</code>	<code>ErrorHttpStatusCode</code>
<code>exceptionFactory</code>	<code>(error: string) => any</code>

Diagram

```
graph LR
  A[Incoming request value] --> B[ParseEnumPipe]
  B --> C{Value is optional<br/>and missing?}
  C -->|Yes| D[Return value unchanged]
  C -->|No| E{Matches enum value?}
  E -->|Yes| F[Return validated enum value]
  E -->|No| G[ParseEnumPipeOptions]
  G --> H[errorHttpStatusCode]
  G --> I[exceptionFactory]
  H --> J[Throw validation exception]
  I --> J
```

Usage

```
import {
  BadRequestException,
  ParseEnumPipe,
} from '@nestjs/common';

enum UserRole {
  Admin = 'admin',
  Member = 'member',
  Viewer = 'viewer',
}

const enumPipeOptions = {
  optional: true,
  errorHttpStatusCode: 422,
  exceptionFactory: (error: string) =>
    new BadRequestException({
      message: 'Invalid user role',
      details: error,
    }),
};

const rolePipe = new ParseEnumPipe(UserRole, enumPipeOptions);

// Valid: "admin"
// Optional: undefined
// Invalid: "superuser" throws the custom exception
```

AI Coding Instructions

- Pass `ParseEnumPipeOptions` as the second argument when constructing `ParseEnumPipe`.
- Set `optional: true` only when missing or `null` enum values should bypass enum validation.
- Use `errorHttpStatusCode` to align validation failures with the API's HTTP error conventions.
- Prefer `exceptionFactory` when your application requires a consistent custom error response shape.
- Ensure the supplied enum contains the exact values expected from request parameters, query strings, or request bodies.