

ParseArrayPipeOptions

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Kind: Interface

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

Part of: [Common](#)

`ParseArrayPipeOptions` configures how an array input is parsed and validated by `ParseArrayPipe`. It defines the expected item type, the delimiter used for string inputs, whether empty or missing values are allowed, and how parsing errors are converted into exceptions.

Properties

Property	Type
<code>items</code>	<code>Type<unknown></code>
<code>separator</code>	<code>string</code>
<code>optional</code>	<code>boolean</code>
<code>exceptionFactory</code>	<code>(error: any) => any</code>

Diagram

```
graph LR
    Input[Request input] --> Pipe[ParseArrayPipe]
    Pipe --> Separator[separator: split string input]
    Separator --> Items[items: validate each item type]
    Pipe --> Optional[optional: allow missing value]
    Items --> Result[Result[Parsed array]]
    Pipe --> Errors[Errors[Validation error]]
    Errors --> Factory[exceptionFactory]
    Factory --> Exception[Custom exception]
```

Usage

```
import { ParseArrayPipe, ParseArrayPipeOptions } from '@nestjs/common';

const options: ParseArrayPipeOptions = {
  items: Number,
  separator: ',',
  optional: false,
  exceptionFactory: (error) => {
    throw new Error(`Invalid ID list: ${error}`);
  },
};

const parseIds = new ParseArrayPipe(options);

// "1,2,3" becomes [1, 2, 3]
const ids = await parseIds.transform('1,2,3', {
  type: 'query',
  data: 'ids',
  metatype: String,
});
```

API Coding Instructions

- Provide `items` when each array element should be validated or transformed as a specific runtime type.
- Use `separator` for comma-separated query parameters or other delimited string inputs; ensure it matches the API contract.
- Set `optional: true` only when omitted or empty input should pass through without raising a validation error.
- Use `exceptionFactory` to align parsing failures with the application's standard HTTP exception format.
- Keep custom exception factories deterministic and avoid exposing raw validation details to clients.