

ConfigurableModuleBuilderOptions

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ConfigurableModuleBuilderOptions

Kind: Interface

Source: `packages/common/module-utils/configurable-module.builder.ts`

Part of: [Common](#)

`ConfigurableModuleBuilderOptions` configures how a configurable module is generated by Nest's module utilities. It defines the injection token used for module options, the module name used in generated APIs, and whether each registration should create a transient module instance.

Properties

Property	Type
<code>optionsInjectionToken</code>	<code>`string`</code>
<code>moduleName</code>	<code>string</code>
<code>alwaysTransient</code>	<code>boolean</code>

Diagram

```
graph LR
  A[ConfigurableModuleBuilderOptions] --> B[optionsInjectionToken]
  A --> C[moduleName]
  A --> D[alwaysTransient]

  B --> E[Inject module configuration]
  C --> F[Generate named registration methods]
  D --> G[Control module instance reuse]
```

Usage

```
import { ConfigurableModuleBuilder } from '@nestjs/common';

export interface DatabaseModuleOptions {
  uri: string;
  poolSize?: number;
}

const { ConfigurableModuleClass, MODULE_OPTIONS_TOKEN } =
  new ConfigurableModuleBuilder<DatabaseModuleOptions>({
    moduleName: 'Database',
    optionsInjectionToken: Symbol('DATABASE_MODULE_OPTIONS'),
    alwaysTransient: false,
  }).build();

export { ConfigurableModuleClass, MODULE_OPTIONS_TOKEN };
```

AI Coding Instructions

- Use `optionsInjectionToken` when consumers need to inject module configuration into providers; prefer a `Symbol` to avoid token collisions.
- Set `moduleName` to a stable, descriptive name because it affects generated configurable-module APIs and diagnostics.
- Enable `alwaysTransient` only when every `register()` or `registerAsync()` call must create a distinct dynamic module instance.
- Keep the options interface aligned with the generic passed to `ConfigurableModuleBuilder<TOptions>`.
- Export the generated module class and options token so feature providers can register and inject configuration consistently.