

ASYNC_OPTIONS_METADATA_KEYS

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ASYNC_OPTIONS_METADATA_KEYS

Kind: Constant

Source: `packages/common/module-utils/constants.ts`

Part of: [Common](#)

List of keys that are specific to `ConfigurableModuleAsyncOptions` and should be excluded when extracting user-defined extras.

`ASYNC_OPTIONS_METADATA_KEYS` defines the option property names reserved by `ConfigurableModuleAsyncOptions`. These keys are excluded when the module utilities extract user-defined “extras,” ensuring framework configuration fields such as factories and imports are not treated as custom module options.

Definition

```
[
  'useFactory',
  'useClass',
  'useExisting',
  'inject',
  'imports',
  'provideInjectionTokensFrom',
] as const
```

Value

```
[
  'useFactory',
  'useClass',
  'useExisting',
  'inject',
  'imports',
```

```
'provideInjectionTokensFrom',  
] as const
```

Diagram

```
graph LR  
  A[ConfigurableModuleAsyncOptions] --> B[Read option keys]  
  B --> C{Key in ASYNC_OPTIONS_METADATA_KEYS?}  
  C -->|Yes| D[Keep as framework async metadata]  
  C -->|No| E[Extract as user-defined extras]
```

Usage

```
import { ASYNC_OPTIONS_METADATA_KEYS } from './constants';  
  
const asyncOptions = {  
  imports: [ConfigModule],  
  inject: [ConfigService],  
  useFactory: (configService: ConfigService) => ({  
    apiUrl: configService.get('API_URL'),  
  }),  
  isGlobal: true,  
  retryAttempts: 3,  
};  
  
const extras = Object.fromEntries(  
  Object.entries(asyncOptions).filter(  
    ([key]) => !ASYNC_OPTIONS_METADATA_KEYS.includes(key),  
  ),  
);  
  
// { isGlobal: true, retryAttempts: 3 }  
console.log(extras);
```

AI Coding Instructions

- Treat this constant as the source of truth for async module option keys owned by the framework.
- Add new keys here when extending `ConfigurableModuleAsyncOptions` with metadata that must not become user-defined extras.
- Do not include keys intended to be forwarded to the generated module's custom options.

- Preserve the key names exactly as they appear in the async options interface and extraction logic.
- Update related option-extraction tests whenever this list changes.