

ClassSerializerContextOptions

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Kind: Interface

Source: `packages/common/serializer/class-serializer/interfaces.ts`

Part of: `Common`

`ClassSerializerContextOptions` provides serializer context metadata for class-based transformation operations. Its `type` field identifies the target constructor, allowing the serializer to resolve class-specific serialization behavior and metadata.

Properties

Property	Type
<code>type</code>	<code>Type<any></code>

Diagram

```
graph LR
  A[Serialization Request] --> B[ClassSerializerContextOptions]
  B --> C["type: Type<any>"]
  C --> D["Target Class Constructor"]
  D --> E["Class Serialization Metadata"]
  E --> F[Serialized Output]
```

Usage

```
import { ClassSerializerContextOptions, Type } from '@nestjs/common';

class UserDto {
  id: number;
  email: string;
}
```

```
const serializerOptions: ClassSerializerContextOptions = {
  type: UserDto as Type<UserDto>,
};

// Pass the options to serializer-related infrastructure
function serializeWithContext(options: ClassSerializerContextOptions) {
  return options.type;
}

const targetType = serializeWithContext(serializerOptions);
```

AI Coding Instructions

- Set `type` to the constructor of the class whose serialization metadata should be used.
- Use Nest's `Type<T>` type when declaring or passing class constructors.
- Do not pass an instance (for example, `new UserDto()`); provide the class reference (`UserDto`) instead.
- Integrate this interface where serializer logic needs explicit target-type information, especially when runtime type inference is unavailable.