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Protocol

UserIdentity

Types conforming to this protocol can act as user identities for editors of a document.

iOS 17.4+ | iPadOS 17.4+ | Mac Catalyst 17.4+ | visionOS

```
protocol UserIdentity : Decodable, Encodable, Hashable, Sendable
```

Topics

Inspecting an identity

```
var stringRepresentation: String
```

String representation of this user identity for display or debugging purposes.

Required

```
var typeID: String
```

A unique type identifier for this user identity.

Required

Setting the scope

```
func scope<R>(() throws -> R) rethrows -> R
```

Sets the user identity for document-related operations that occur within the closure passed in.

```
func scope<R>(() async throws -> R) async rethrows -> R
```

Sets the user identity for document-related operations that occur within the async closure passed in.

Getting a type eraser

```
func eraseToAnyUserIdentity() -> AnyUserIdentity
```

Wraps this user identity with a type eraser.

Required Default implementation provided.

```
typealias As
```

An alias for [UserIdentityFactory](#) for convenience.

Relationships

Inherits From

Decodable

Encodable

Equatable

Hashable

Sendable

SendableMetatype

Conforming Types

[AnonymousUserIdentity](#), [AnyUserIdentity](#), [StringUserIdentity](#)

See Also

Identity

```
struct AnonymousUserIdentity
```

A user identity for unknown editors.

```
struct AnyUserIdentity
```

A user identity that performs type erasure by wrapping another user identity.

```
struct StringUserIdentity
```

A user identity defined by a string.

```
class UserIdentityTypeRegistry
```

A registry for user identity types. Assignable documents and document elements store user identity data as Data objects. In order for that data to be deserialized, the type to deserialize it as needs to be known to [UserIdentityTypeRegistry](#). Without registration of the user identity, custom types won't be deserializable.

```
enum UserIdentityFactory
```

A type that contains helpers for creating user identity objects.