

[ARKit](#) / SharedCoordinateSpaceProvider

Class

SharedCoordinateSpaceProvider

Provides ability to establish a shared coordinate space among multiple participants.

visionOS 26.0+

```
final class SharedCoordinateSpaceProvider
```

Topics

Structures

```
struct CoordinateSpaceData
```

A coordinate space data.

Initializers

```
init()
```

Create a shared coordinate space provider.

Instance Properties

```
var description: String
```

A textual representation of this SharedCoordinateSpaceProvider.

```
var eventUpdates: some AsyncSequence<SharedCoordinateSpaceProvider.Event, Never>
```

A sequence of events that have occurred.

```
var nextCoordinateSpaceData: SharedCoordinateServiceProvider.CoordinateSpaceData?
```

Get the next coordinate space data to be broadcast to all participants.

```
var participantIdentifier: UUID
```

Get the identifier of the local participant.

```
var state: DataProviderState
```

The state of this shared coordinate space provider.

Instance Methods

```
func push(data: SharedCoordinateServiceProvider.CoordinateSpaceData)
```

Push data to shared coordinate space provider.

Type Properties

```
static var isSupported: Bool
```

Determines whether this device supports the shared coordinate space provider.

```
static var requiredAuthorizations: [ARKitSession.AuthorizationType]
```

The authorization type(s) required by the shared coordinate space provider.

Enumerations

```
enum Event
```

Events that can occur in a shared coordinate space.

Relationships

Conforms To

CustomStringConvertible

DataProvider

Sendable

SendableMetatype