Protocol

MergeablePartsContainer

Objects conforming to this protocol allow merging in other replicas of themselves or merging in individual parts of themselves.

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

```
protocol MergeablePartsContainer : Hashable
```

Topics

Merging the parts

~~func merge(other: Self) throws -> Bool~~

Merge another object of this type into this object.

Required

Deprecated

~~func merge(partID: Self.PartID, partDataURL: URL) throws -> Bool~~

Merges an individual part into the specified part of this object.

Required

Deprecated

Exporting the parts

~~func export(partIDs: [Self.PartID]) async throws -> [Self.PartID : URL]~~

Given a set of part identifiers, return a dictionary of part ID to URL to the part data file for the requested parts.

Required

Getting the part identifiers

`var partIDs: [Self.PartID]`

Returns a collection of part IDs reflecting the manifest of parts available in the document.

Required

`typealias PartID`

The type for document layer IDs.

Inspecting the parts

`var isPartial: Bool`

Documents are considered partial when they are reconstituted missing one or more of their associated document part IDs. When a document is considered partial it is expected that we shouldn't be able to both read or write to the parts that the document has neither been reconstituted or merged with.

Required

Instance Methods

`func exportParts(identifiedBy: [Self.PartID]) async throws -> [Self.PartID : MergeablePartData]`

Given a set of part identifiers, return a dictionary of part ID to part data.

Required

`func makePart(for: Self.PartID) throws -> MergeablePartData?`

Creates data for the part with the given identifier.

Required

`func merge(Self) async throws -> Bool`

Merge another object of this type into this object.

Required

`func merge(partData: MergeablePartData, into: Self.PartID) async throws -> Bool`

Merges an individual part into the specified part of this object.

Required

Relationships

Inherits From

`Equatable, Hashable`

Inherited By

`MergeableDocument`

Conforming Types

`AssignableDocument, AssignedWorkDocument`

See Also

Mergeable document

`protocol MergeableDocument`

Documents conforming to this protocol can merge several copies of the document into a single document.

`struct MergeablePartsContainerPartID`

The ID of a part in a `MergeablePartsContainer`.

`protocol MergeableDocumentPage`

Types conforming to this protocol indicate that they are a page in a <u>MergeableDocument</u> conforming object.

`struct DocumentThumbnail`

A structure that contains an image of an entire page or a portion of a page and the ID of the page the image is from.