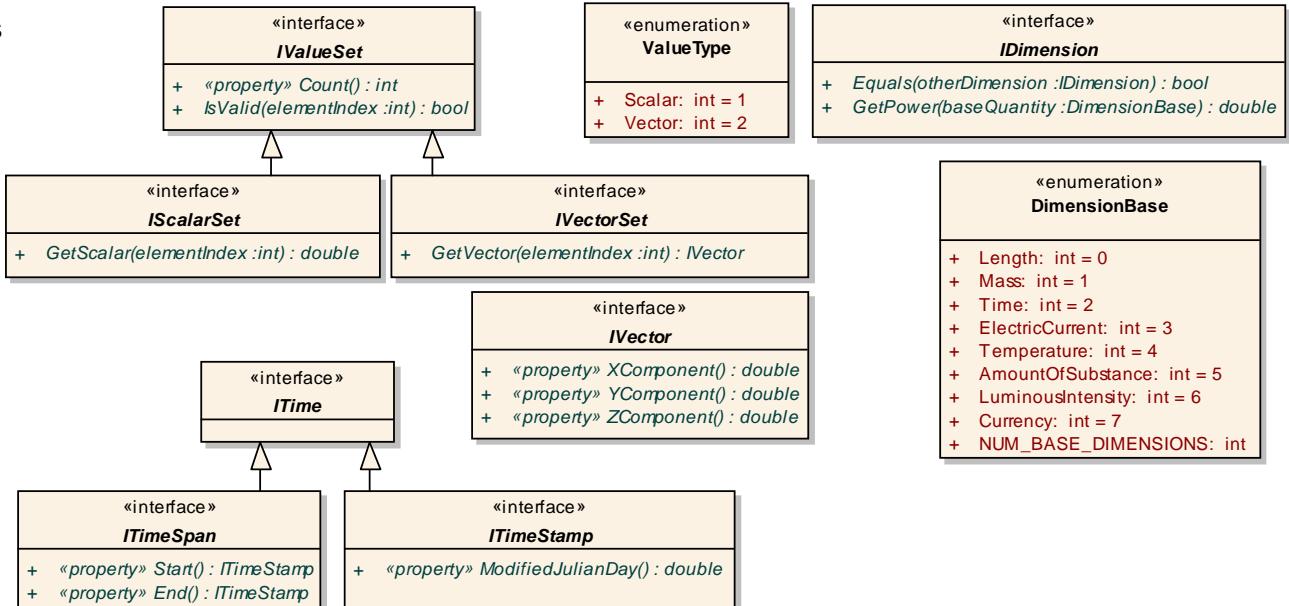


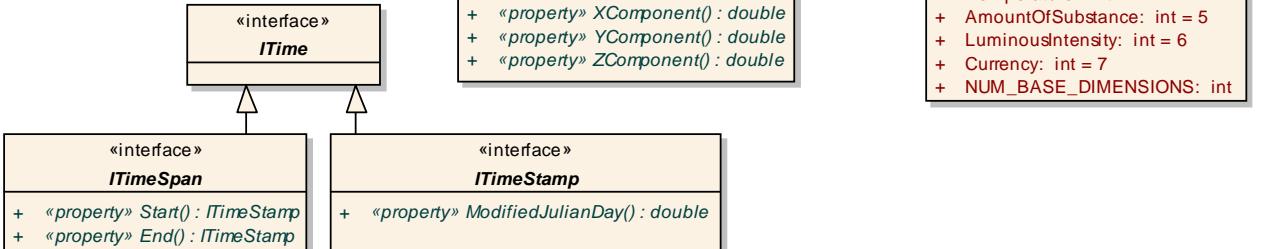


## data definitions What

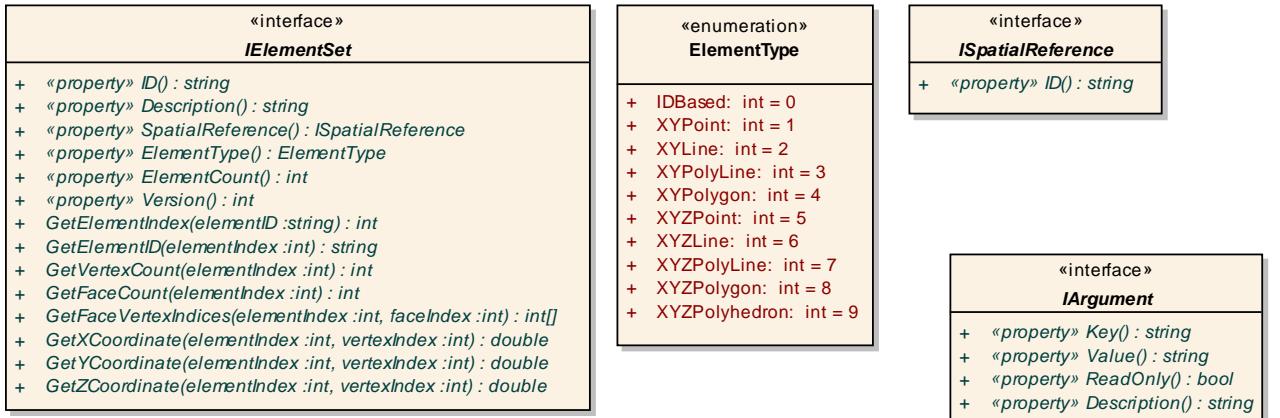
Values



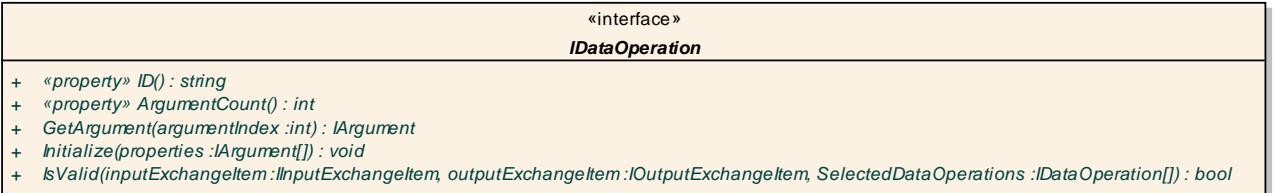
When



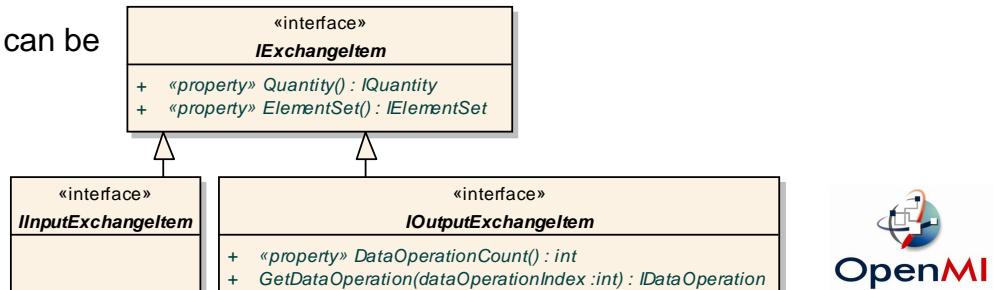
Where



How

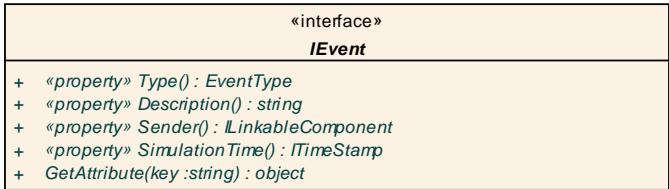


meta data to express what can be exchanged



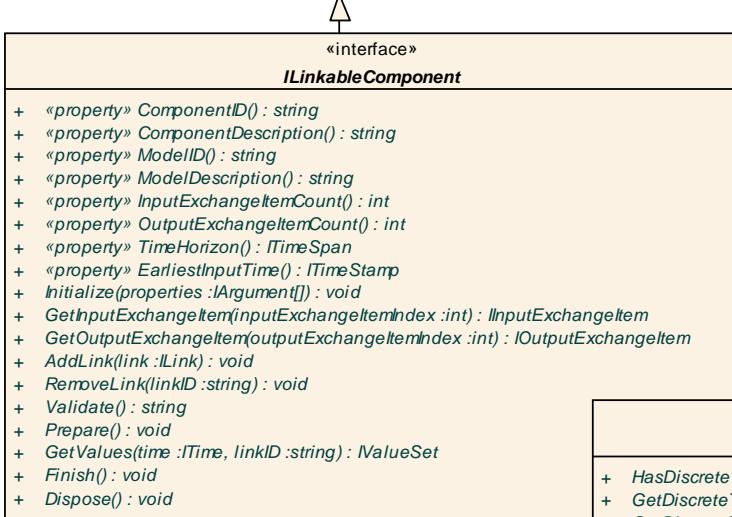


## messaging definitions



## component interfaces for generic component access

### obligatory interface



**ILink** (part of **ILinkableComponent**)

```
+ «property» ID() : string
+ «property» Description() : string
+ «property» SourceComponent() : ILinkableComponent
+ «property» TargetComponent() : ILinkableComponent
+ «property» TargetQuantity() : IQuantity
+ «property» TargetElementSet() : IElementSet
+ «property» SourceElementSet() : IElementSet
+ «property» SourceQuantity() : IQuantity
+ «property» DataOperationsCount() : int
+ «method» GetDataOperation(dataOperationIndex :int) : IDataOperation
```

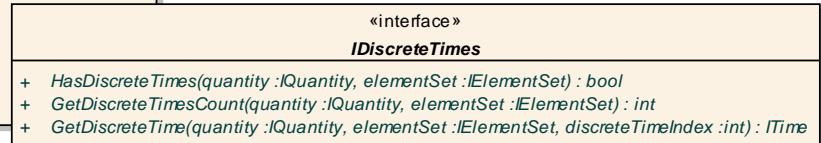
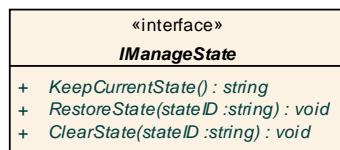
**EventTypes** (part of **ILinkableComponent**)

```
+ Warning: int = 0
+ Informative: int = 1
+ ValueOutOfRange: int = 2
+ GlobalProgress: int = 3
+ TimeStepProgress: int = 4
+ DataChanged: int = 5
+ TargetBeforeGetValuesCall: int = 6
+ SourceAfterGetValuesCall: int = 7
+ SourceBeforeGetValuesReturn: int = 8
+ TargetAfterGetValuesReturn: int = 9
+ Other: int = 10
+ NUM_OF_EVENT_TYPES: int = 2005
```

**IListener** (part of **IPublisher**)

```
+ «method» OnEvent(Event :IEvent) : void
+ «method» GetAcceptedEventCount() : int
+ «method» GetAcceptedEventType(acceptedEventTypeIndex :int) : EventType
```

### optional extensions



## Starting point: The OMI-file

**LinkableComponent**

