

Package info.oaisif.interfaces.common

Interface GenericAdapter

public interface **GenericAdapter**

The Generic Adapter to a common component used in OAIS-IF. Each endpoint in OAIS-IF uses an instance of the Generic Adapter to perform the common tasks involved in setting up the communications.

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Method Summary

All Methods	Instance Methods	Abstract Methods
Modifier and Type	Method	Description
ArchivalInformationPackage	getAIP(EndPointConnection con, Identifier doid)	Get the AIP for a specified DataObjectId
ArchivalInformationPackage	getAIP(EndPointConnection con, DataDetailsRow ds)	Get the AIP for a specified entry
EndPointConnection	getConnection(SwitchBoardEntry selEntry)	Make the selected connection.
DataDetailsRow[]	getDataSelectors(EndPointConnection con, RowWindow rs)	Get the array of DataDetailsRow from which to select
InformationObject	getInformationObject(EndPointConnection con, Identifier doid)	Get a specified Information Object
InformationObject	getInformationObject(EndPointConnection con, DataDetailsRow ds)	Get a specified Information Object
SwitchBoardEntry[]	getListOfSources()	Get the array of known sources including those from: those the SwitchBoard knows about those added by other methods e.g.
long	getNumDataSelectors()	Get the number of entries in the source

Method Details

getListOfSources

SwitchBoardEntry[] getListOfSources()

Get the array of known sources including those from:

- those the SwitchBoard knows about
- those added by other methods e.g. command line or interactively

Returns:

Array of SwitchBoard entries

getConnection

EndPointConnection getConnection(SwitchBoardEntry selEntry)

Make the selected connection.

Parameters:

selEntry - The SwitchBoardEntry for which to make connection

Returns:

EndPointConnection for the source

getNumDataSelectors

long getNumDataSelectors()

Get the number of entries in the source

Returns:

long The number of entries in the

getDataSelectors

```
DataDetailsRow[] getDataSelectors(EndPointConnection con,  
                                 RowWindow rs)
```

Get the array of DataDetailsRow from which to select

Parameters:

con - The EndPointConnection from which to get the list

getAIP

```
ArchivalInformationPackage getAIP(EndPointConnection con,  
                                   Identifier doid)
```

Get the AIP for a specified DataObjectId

Parameters:

con - The connection to use

doid - The DOID for which the AIP is wanted

Returns:

The ArchivalInformationPackage requested.

getAIP

```
ArchivalInformationPackage getAIP(EndPointConnection con,  
                                   DataDetailsRow ds)
```

Get the AIP for a specified entry

Parameters:

con - The connection to use

ds - The Selected data for which the AIP is wanted

Returns:

The ArchivalInformationPackage requested.

getInformationObject

```
InformationObject getInformationObject(EndPointConnection con,  
                                       DataDetailsRow ds)
```

Get a specified Information Object

Parameters:

con - The connection to use

ds - The Selected data for which the Information Object is wanted.

Returns:

The Information Object, which may be an of the types of Information Objects defined in OAIS

getInformationObject

```
InformationObject getInformationObject(EndPointConnection con,  
                                       Identifier doid)
```

Get a specified Information Object

Parameters:

con - The connection to use

doid - The DOID for which the Information Object is wanted.

Returns:

The Information Object, which may be an of the types of Information Objects defined in OAIS