

vBox Suite

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Chapter 1

vboxSuite

vboxSuite

Chapter 2

Namespace Index

2.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

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Chapter 3

Hierarchical Index

3.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Vbox_Home_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync	11
Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync	15
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Chapter 4

Data Structure Index

4.1 Data Structures

Here are the data structures with brief descriptions:

Vbox_Home_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync	
Async Portable GENERAL Interface Library to the device.	11
Vbox_Home_CommonLibrary.PortableInterfaceLibraryCommon	
Common Interface Library from which all other classes inherit	12
Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync	
Async Portable XMLTV Interface Library to the device.	15
UnitTests_GeneralInterfaceLibraryAsync.UnitTests_for_GeneralInterfaceLibraryAsync	20
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Chapter 5

Namespace Documentation

5.1 Package UnitTests_GeneralInterfaceLibraryAsync

Data Structures

- class [UnitTests_for_GeneralInterfaceLibraryAsync](#)
- class [UnitTests_for_XMLTVInterfaceLibraryAsync](#)

5.2 Package Vbox_Home_CommonLibrary

Data Structures

- class [PortableInterfaceLibraryCommon](#)
Common Interface Library from which all other classes inherit

5.3 Package Vbox_Home_GeneralInterfaceLibrary

Data Structures

- class [PortableGeneralInterfaceLibraryAsync](#)
Async Portable GENERAL Interface Library to the device.

5.4 Package Vbox_Home_XMLTVInterfaceLibrary

Data Structures

- class [PortableXMLTVInterfaceLibraryAsync](#)
Async Portable XML TV Interface Library to the device.

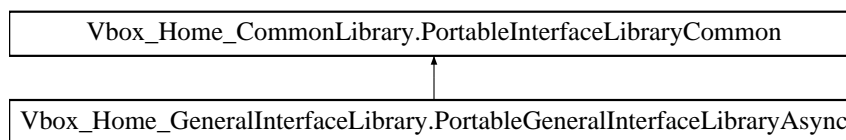
Chapter 6

Data Structure Documentation

6.1 Vbox_Home_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync Class Reference

Async Portable GENERAL Interface Library to the device.

Inheritance diagram for Vbox_Home_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync:



Public Member Functions

- `async Task< XDocument > GetSystemTimeAsync (Uri u, Enum_TimeFormat t)`
Async Get the Time from the device in the requested format
- `async Task< XDocument > GetExternalMediaStatusAsync (Uri u)`
Async Get the External Media Status
- `async Task< XDocument > GetBoardInfoAsync (Uri u)`
Async Get the Devices Board Information

Additional Inherited Members

6.1.1 Detailed Description

Async Portable GENERAL Interface Library to the device.

Definition at line 34 of file GeneralInterfaceLibraryAsync.cs.

6.1.2 Member Function Documentation

6.1.2.1 `async Task<XDocument> Vbox_Home_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync.GetBoardInfoAsync (Uri u) [inline]`

Async Get the Devices Board Information

Parameters

<i>u</i>	the uri of the device
----------	-----------------------

Returns

returns an XDocument object representing success OR failure

error codes "10002 - server error" and "11002 - xml parse error"

Definition at line 109 of file GeneralInterfaceLibraryAsync.cs.

6.1.2.2 `async Task<XDocument> Vbox_Home_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync.GetExternalMediaStatusAsync (Uri u) [inline]`

Async Get the External Media Status

Parameters

<i>u</i>	the uri of the device
----------	-----------------------

Returns

returns an XDocument object representing success OR failure

error codes "10001 - server error" and "11001 - xml parse error"

Definition at line 76 of file GeneralInterfaceLibraryAsync.cs.

6.1.2.3 `async Task<XDocument> Vbox_Home_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync.GetSystemTimeAsync (Uri u, Enum_TimeFormat t) [inline]`

Async Get the Time from the device in the requested format

Parameters

<i>u</i>	the uri of the device
<i>t</i>	an enumeration from ENUM_TIMEFORMAT

Returns

returns an XDocument object representing success OR failure

error codes "10000 - server error" and "11000 - xml parse error"

Definition at line 43 of file GeneralInterfaceLibraryAsync.cs.

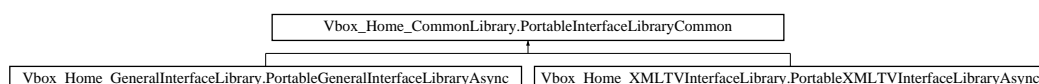
The documentation for this class was generated from the following file:

- vboxSuite/PortableVbox@Home_GENERALInterface/GeneralInterfaceLibraryAsync.cs

6.2 Vbox_Home_CommonLibrary.PortableInterfaceLibraryCommon Class Reference

Common Interface Library from which all other classes inherit

Inheritance diagram for Vbox_Home_CommonLibrary.PortableInterfaceLibraryCommon:



Public Types

- enum [Enum_TimeFormat](#) { [Enum_TimeFormat.DateAndTime](#), [Enum_TimeFormat.Time](#), [Enum_TimeFormat.Date](#), [Enum_TimeFormat.XMLTV](#) }
the public enumeration for TimeFormat
- enum [Enum_MethodName_GeneralInterface](#) { [Enum_MethodName_GeneralInterface.QuerySystemTime](#), [Enum_MethodName_GeneralInterface.QueryBoardInfo](#), [Enum_MethodName_GeneralInterface.QueryExternalMediaStatus](#) }
the public enumeration for common query type to run
- enum [Enum_MethodName_XmltvInterface](#) { [Enum_MethodName_XmltvInterface.QueryXmltvNumOfChannels](#), [Enum_MethodName_XmltvInterface.GetXmltvEntireFile](#), [Enum_MethodName_XmltvInterface.GetXmltvSection](#), [Enum_MethodName_XmltvInterface.GetXmltvChannelsList](#), [Enum_MethodName_XmltvInterface.GetXmltvProgramsList](#), [Enum_MethodName_XmltvInterface.GetXmltvLanguageTracks](#), [Enum_MethodName_XmltvInterface.ScanEPG](#), [Enum_MethodName_XmltvInterface.QueryDataBaseversion](#) }
the public enumeration for XMLTV query type to run
- enum [Enum_MethodName_XmltvInterfaceLanguageTrackTypes](#) { [Enum_MethodName_XmltvInterfaceLanguageTrackTypes.ALL](#), [Enum_MethodName_XmltvInterfaceLanguageTrackTypes.AUDIO](#), [Enum_MethodName_XmltvInterfaceLanguageTrackTypes.SUBTITLE](#) }
the public enumeration for XMLTV language track types

Properties

- string [CommonRequestStringPortion](#) [get]
Gets common Request String Portion is the portion of the URI that is constant in every call
- string [FailedResponseXml](#) [get]
Gets the xml string into which to embed the other possible errors

6.2.1 Detailed Description

Common Interface Library from which all other classes inherit
 Definition at line 32 of file PortableInterfaceLibraryCommon.cs.

6.2.2 Member Enumeration Documentation

6.2.2.1 enum Vbox_Home_CommonLibrary.PortableInterfaceLibraryCommon.Enum_MethodName_GeneralInterface

the public enumeration for common query type to run

Enumerator

- QuerySystemTime*** The query system time
- QueryBoardInfo*** The query board information
- QueryExternalMediaStatus*** The query external media status

Definition at line 67 of file PortableInterfaceLibraryCommon.cs.

6.2.2.2 enum Vbox_Home_CommonLibrary.PortableInterfaceLibraryCommon.Enum_MethodName_Xmltv↵ Interface

the public enumeration for XMLTV query type to run

Enumerator

QueryXmltvNumOfChannels The query system time
GetXmltvEntireFile The query board information
GetXmltvSection The query external media status
GetXmltvChannelsList The query Get XMLTV Channels List
GetXmltvProgramsList The query Get XMLTV Programs List
GetXmltvLanguageTracks The query Get XMLTV Language Tracks
ScanEPG The query Scan EPG
QueryDataBaseversion The query Query DataBase version

Definition at line 88 of file PortableInterfaceLibraryCommon.cs.

6.2.2.3 enum Vbox_Home_CommonLibrary.PortableInterfaceLibraryCommon.Enum_MethodName_Xmltv↵ InterfaceLanguageTrackTypes

the public enumeration for XMLTV language track types

Enumerator

ALL The lang track type ALL
AUDIO The lang track type AUDIO
SUBTITLE The lang track type SUBTITLE

Definition at line 134 of file PortableInterfaceLibraryCommon.cs.

6.2.2.4 enum Vbox_Home_CommonLibrary.PortableInterfaceLibraryCommon.Enum_TimeFormat

the public enumeration for TimeFormat

Enumerator

DateAndTime The date and time gets output similar to : Thu Feb 16, 2012 - 08:44:38 AM
Time The time gets output similar to : 08:44:38 AM
Date The date gets output similar to : Thu Feb 16, 2012
XMLTV The XMLTV gets output similar to : 20120216064400 +0200

Definition at line 37 of file PortableInterfaceLibraryCommon.cs.

6.2.3 Property Documentation

6.2.3.1 string Vbox_Home_CommonLibrary.PortableInterfaceLibraryCommon.CommonRequestStringPortion [get]

Gets common Request String Portion is the portion of the URI that is constant in every call

Definition at line 156 of file PortableInterfaceLibraryCommon.cs.

6.2.3.2 string Vbox_Home_CommonLibrary.PortableInterfaceLibraryCommon.FailedResponseXml [get]

Gets the xml string into which to embed the other possible errors

Definition at line 164 of file PortableInterfaceLibraryCommon.cs.

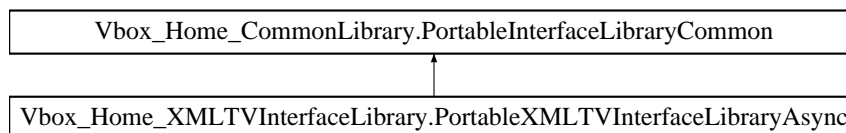
The documentation for this class was generated from the following file:

- vboxSuite/PortableInterfaceLibraryCommon/PortableInterfaceLibraryCommon.cs

6.3 Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync Class Reference

Async Portable XMLTV Interface Library to the device.

Inheritance diagram for Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync:



Public Member Functions

- async Task< XDocument > [GetNumOfChannelsAsync](#) (Uri u)
Async Get the Number Of Channels from the device
- async Task< XDocument > [GetXmtvEntireFileAsync](#) (Uri u)
Async Get the Entire XMLTV File (formatted in XMLTV format) from the device
- async Task< XDocument > [GetXmtvSectionAsync](#) (Uri u, string fromChIndex, string toChIndex, string startTime="", string endTime="")
Async Get sub-range of channels and programs in XMLTV file format by range of channels and range of time
- async Task< XDocument > [GetXmtvSectionAsync](#) (Uri u, string channelsList, string startTime="", string endTime="")
Async Get sub-range of channels and programs in XMLTV file format by range of channels and range of time
- async Task< XDocument > [GetXmtvChannelsListAsync](#) (Uri u, string fromChIndex, string toChIndex)
Async get the XMLTV Channels List (formatted in XMLTV format) from the device
- async Task< XDocument > [GetXmtvChannelsListAsync](#) (Uri u, string channelsList)
Async get the XMLTV Channels List (formatted in XMLTV format) from the device
- async Task< XDocument > [GetXmtvProgramsListUsingChannelListAsync](#) (Uri u, string channelList)
Async Get List of programs belong to specific Channel in XMLTV file format
- async Task< XDocument > [GetXmtvProgramsListUsingChannelIndexAsync](#) (Uri u, string channelIndex)
Async Get List of programs belong to specific Channel in XMLTV file format
- async Task< XDocument > [GetXmtvProgramsListUsingChannelIndexAsync](#) (Uri u, int channelIndex)
Async Get List of programs belong to specific Channel in XMLTV file format
- async Task< XDocument > [GetXmtvLanguageTracksAsync](#) (Uri u, string channelId, [Enum_MethodName](#)↔ [_XmtvInterfaceLanguageTrackTypes](#) langTrackType)
Async get the XMLTV Language Tracks(formatted in XMLTV format) from the device
- async Task< XDocument > [ScanEPGAsync](#) (Uri u, string channelId)
Async get the EPG data for a particular channel from the device
- async Task< XDocument > [QueryDataBaseVersionAsync](#) (Uri u)
Async get the DataBase Version used from the device

Additional Inherited Members

6.3.1 Detailed Description

Async Portable XMLTV Interface Library to the device.

Definition at line 34 of file PortableXMLTVInterfaceLibraryAsync.cs.

6.3.2 Member Function Documentation

6.3.2.1 `async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.GetNumOfChannelsAsync (Uri u) [inline]`

Async Get the Number Of Channels from the device

Parameters

<i>u</i>	the uri of the device
----------	-----------------------

Returns

returns an XDocument object representing success OR failure

error codes "20000 - server error" and "21000 - xml parse error"

Definition at line 42 of file PortableXMLTVInterfaceLibraryAsync.cs.

6.3.2.2 `async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.GetXmltvChannelsListAsync (Uri u, string fromChIndex, string toChIndex) [inline]`

Async get the XMLTV Channels List (formatted in XMLTV format) from the device

Parameters

<i>u</i>	the uri of the device
<i>fromChIndex</i>	a string representing the first channel in a range to query against
<i>toChIndex</i>	a string representing the last channel in a range to query against

Returns

returns an XDocument object representing success OR failure

error codes "20002 - server error" and "21002 - xml parse error" and "20003 - input error"

Definition at line 213 of file PortableXMLTVInterfaceLibraryAsync.cs.

6.3.2.3 `async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.GetXmltvChannelsListAsync (Uri u, string channelsList) [inline]`

Async get the XMLTV Channels List (formatted in XMLTV format) from the device

Parameters

<i>u</i>	the uri of the device
----------	-----------------------

<i>channelsList</i>	a comma delimited string representing the channels in a range to query against
---------------------	--

Returns

returns an XDocument object representing success OR failure

error codes "20004 - server error" and "21004 - xml parse error" and "20005 / 20006 - input error"

Definition at line 256 of file PortableXMLTVInterfaceLibraryAsync.cs.

6.3.2.4 `async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.GetXmltvEntireFileAsync (Uri u) [inline]`

Async Get the Entire XMLTV File (formatted in XMLTV format) from the device

Parameters

<i>u</i>	the uri of the device
----------	-----------------------

Returns

returns an XDocument object representing success OR failure

error codes "20001 - server error" and "21001 - xml parse error"

Definition at line 77 of file PortableXMLTVInterfaceLibraryAsync.cs.

6.3.2.5 `async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.GetXmltvLanguageTracksAsync (Uri u, string channelId, Enum_MethodName_XmltvInterfaceLanguageTrackTypes langTrackType) [inline]`

Async get the XMLTV Language Tracks(formatted in XMLTV format) from the device

Parameters

<i>u</i>	the uri of the device
<i>channelID</i>	the channel to query against
<i>langTrackType</i>	an enumeration from ENUM_METHODNAME_XMLTVINTERFACELANGUAGEGETTRACKTYPES

Returns

returns an XDocument object representing success OR failure

error codes "20008 - server error" and "21008 - xml parse error" and "20007 - input error"

Definition at line 410 of file PortableXMLTVInterfaceLibraryAsync.cs.

6.3.2.6 `async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.GetXmltvProgramsListUsingChannelIndexAsync (Uri u, string channelIndex) [inline]`

Async Get List of programs belong to specific Channel in XMLTV file format

Parameters

<i>u</i>	the uri of the device
<i>channelIndex</i>	The index of the channel

Returns

returns an XDocument object representing success OR failure

error codes "20020 - server error" and "21020 - xml parse error" and "20021 / 20022 - input error"

Definition at line 350 of file PortableXMLTVInterfaceLibraryAsync.cs.

```
6.3.2.7  async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.GetXmtvProgramsListUsingChannelIndexAsync ( Uri u, int channelIndex )
        [inline]
```

Async Get List of programs belong to specific Channel in XMLTV file format

Parameters

<i>u</i>	the uri of the device
<i>channelIndex</i>	The index of the channel

Returns

returns an XDocument object representing success OR failure

error codes "20020 - server error" and "21020 - xml parse error" and "20021 / 20022 - input error"

Definition at line 397 of file PortableXMLTVInterfaceLibraryAsync.cs.

```
6.3.2.8  async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.GetXmtvProgramsListUsingChannelListAsync ( Uri u, string channelList )
        [inline]
```

Async Get List of programs belong to specific Channel in XMLTV file format

Parameters

<i>u</i>	the uri of the device
<i>channelList</i>	The index of the channel in a range to query against

Returns

returns an XDocument object representing success OR failure

error codes "20017 - server error" and "21017 - xml parse error" and "20018 / 20019 - input error"

Definition at line 303 of file PortableXMLTVInterfaceLibraryAsync.cs.

```
6.3.2.9  async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.GetXmtvSectionAsync ( Uri u, string fromChIndex, string toChIndex, string startTime = " ", string endTime = " " )
        [inline]
```

Async Get sub-range of channels and programs in XMLTV file format by range of channels and range of time

Parameters

<i>u</i>	the uri of the device
<i>fromChIndex</i>	a string representing the first channel in a range to query against
<i>toChIndex</i>	a string representing the last channel in a range to query against
<i>startTime</i>	(optional) The start time in XMLTV time format "20120315130000+0200"
<i>endTime</i>	(optional) The end time in XMLTV time format "20120315143000+0200"

Returns

returns an XDocument object representing success OR failure

error codes "20012 - server error" and "21012 - xml parse error" and "20013 - input error"

Definition at line 116 of file PortableXMLTVInterfaceLibraryAsync.cs.

6.3.2.10 `async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.
GetXmltvSectionAsync (Uri u, string channelsList, string startTime = " ", string endTime = " ")
[inline]`

Async Get sub-range of channels and programs in XMLTV file format by range of channels and range of time

Parameters

<i>u</i>	the uri of the device
<i>channelsList</i>	a comma delimited string representing the channels in a range to query against
<i>startTime</i>	(optional) The start time in XMLTV time format "20120315130000+0200"
<i>endTime</i>	(optional) The end time in XMLTV time format "20120315143000+0200"

Returns

returns an XDocument object representing success OR failure

error codes "20014 - server error" and "21014 - xml parse error" and "20015 / 20016 - input error"

Definition at line 163 of file PortableXMLTVInterfaceLibraryAsync.cs.

6.3.2.11 `async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.QueryData
BaseVersionAsync (Uri u) [inline]`

Async get the DataBase Version used from the device

Parameters

<i>u</i>	the uri of the device
----------	-----------------------

Returns

returns an XDocument object representing success OR failure

error codes "20011 - server error" and "21011 - xml parse error"

Definition at line 495 of file PortableXMLTVInterfaceLibraryAsync.cs.

6.3.2.12 `async Task<XDocument> Vbox_Home_XMLTVInterfaceLibrary.PortableXMLTVInterfaceLibraryAsync.ScanEPGAsync
(Uri u, string channelID) [inline]`

Async get the EPG data for a particular channel from the device

Parameters

<i>u</i>	the uri of the device
<i>channelID</i>	the channel to query against

Returns

returns an XDocument object representing success OR failure

error codes "20010 - server error" and "21010 - xml parse error" and "20009 - input error"

Definition at line 453 of file PortableXMLTVInterfaceLibraryAsync.cs.

The documentation for this class was generated from the following file:

- vboxSuite/PortableVbox@Home_XMLTVInterface/PortableXMLTVInterfaceLibraryAsync.cs

6.4 UnitTests_GeneralInterfaceLibraryAsync.UnitTests_for_GeneralInterfaceLibrary< Async Class Reference

Public Member Functions

- void **Test_canGetNumOfChannelsAsync ()**
- void **Test_canGetXmltvEntireFileAsync ()**

6.4.1 Detailed Description

Definition at line 10 of file UnitTests_for_XMLTVInterfaceLibraryAsync.cs.

The documentation for this class was generated from the following file:

- vboxSuite/UnitTests_ForWholeLibrary/UnitTests_for_XMLTVInterfaceLibraryAsync.cs

6.5 UnitTests_GeneralInterfaceLibraryAsync.UnitTests_for_XMLTVInterfaceLibrary< Async Class Reference

Public Member Functions

- void **Test_canGetSystemTimeResponseAsNotEmptyWithWorkingURIAsync_forFormatDateAndTime ()**
- void **Test_canGetSystemTimeResponseAsNotEmptyWithFailingURIAsync_forFormatDateAndTime ()**
- void **Test_canGetSystemTimeResponseSuccessCodeWithWorkingURIAsync_forFormatDateAndTime ()**
- void **Test_canGetSystemTimeResponseFailureCodeWithFailingURIAsync_forFormatDateAndTime ()**
- void **Test_canGetSystemTimeResponseAndTimeCloseToRealTimeWithWorkingURIAsync_for< FormatDateAndTime ()**
- void **Test_canGetSystemTimeResponseAsNotEmptyWithWorkingURIAsync_forFormatTime ()**
- void **Test_canGetSystemTimeResponseAsNotEmptyWithFailingURIAsync_forFormatTime ()**
- void **Test_canGetSystemTimeResponseSuccessCodeWithWorkingURIAsync_forFormatTime ()**
- void **Test_canGetSystemTimeResponseFailureCodeWithFailingURIAsync_forFormatTime ()**
- void **Test_canGetSystemTimeResponseAndTimeCloseToRealTimeWithWorkingURIAsync_for< FormatTime ()**
- void **Test_canGetSystemTimeResponseAsNotEmptyWithWorkingURIAsync_forFormatDate ()**

- void **Test_canGetSystemTimeResponseAsNotEmptyWithFailingURIAsync_forFormatDate** ()
- void **Test_canGetSystemTimeResponseSuccessCodeWithWorkingURIAsync_forFormatDate** ()
- void **Test_canGetSystemTimeResponseFailureCodeWithFailingURIAsync_forFormatDate** ()
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- void **Test_canGetExternalMediaStatusResponseSuccessCodeWithWorkingURIAsync** ()
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- void **Test_canGetBoardInfoResponseAsNotEmptyWithFailingURIAsync** ()
- void **Test_canGetBoardInfoResponseSuccessCodeWithWorkingURIAsync** ()
- void **Test_canGetBoardInfoResponseFailureCodeWithFailingURIAsync** ()

6.5.1 Detailed Description

Definition at line 11 of file UnitTests_for_GeneralInterfaceLibraryAsync.cs.

The documentation for this class was generated from the following file:

- vboxSuite/UnitTests_ForWholeLibrary/UnitTests_for_GeneralInterfaceLibraryAsync.cs

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