vBox Suite

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## vboxSuite

vboxSuite

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# Namespace Index

### 2.1 Packages

Here are the packages with brief descriptions (if available):

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## **Hierarchical Index**

## 3.1 Class Hierarchy

This	inheritance	list is	sorted	roughly	but not	completely	alphabetically	v.
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## **Class Index**

### 4.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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Async Portable RECORDINGS Interface Library to the device	20

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## **Namespace Documentation**

### 5.1 Package PortableVbox\_GHome\_RecordingsInterface

#### **Classes**

class RecordingsInterfaceLibraryAsync

Async Portable RECORDINGS Interface Library to the device.

### 5.2 Package Vbox\_Home\_CommonLibrary

#### **Classes**

• class PortableInterfaceLibraryCommon

Common Interface Library from which all other classes inherit

### 5.3 Package Vbox\_Home\_GeneralInterfaceLibrary

#### Classes

· class PortableGeneralInterfaceLibraryAsync

Async Portable GENERAL Interface Library to the device.

### 5.4 Package Vbox\_Home\_XMLTVInterfaceLibrary

#### Classes

class PortableXMLTVInterfaceLibraryAsync

Async Portable XMLTV Interface Library to the device.

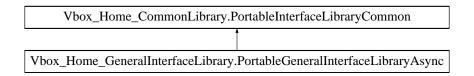
Namespace	Documer	ntation

### **Class 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<br/> XDocument >  $\mathbf{GetExternalMediaStatusAsync}$  (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 PortableGeneralInterfaceLibraryAsync.cs.

#### 6.1.2 Member Function Documentation

6.1.2.1 async Task<XDocument> Vbox\_Home\_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync.GetBoardInfo← Async ( Uri *u* )

Async Get the Devices Board Information

#### **Parameters**

и	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 PortableGeneralInterfaceLibraryAsync.cs.

6.1.2.2 async Task<XDocument> Vbox\_Home\_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync.GetExternal← MediaStatusAsync ( Uri *u* )

Async Get the External Media Status

#### **Parameters**

и	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 PortableGeneralInterfaceLibraryAsync.cs.

6.1.2.3 async Task<XDocument> Vbox\_Home\_GeneralInterfaceLibrary.PortableGeneralInterfaceLibraryAsync.GetSystem← TimeAsync ( Uri *u*, Enum\_TimeFormat *t* )

Async Get the Time from the device in the requested format

#### **Parameters**

и	the uri of the device
t	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 PortableGeneralInterfaceLibraryAsync.cs.

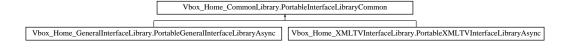
The documentation for this class was generated from the following file:

• vboxSuite/PortableVbox@Home\_GENERALInterface/PortableGeneralInterfaceLibraryAsync.cs

#### 6.2 Vbox Home CommonLibrary.PortableInterfaceLibraryCommon Class Reference

Common Interface Library from which all other classes inherit

 $Inheritance\ diagram\ for\ Vbox\_Home\_CommonLibrary. Portable Interface Library Common:$ 



#### **Public Types**

enum Enum\_TimeFormat { Enum\_TimeFormat.DateAndTime, Enum\_TimeFormat.Time, Enum\_Time
 Format.Date, Enum\_TimeFormat.XMLTV }

the public enumeration for TimeFormat

enum Enum\_LanguageTrackTypes { Enum\_LanguageTrackTypes.ALL, Enum\_LanguageTrackTypes.
 — AUDIO, Enum\_LanguageTrackTypes.SUBTITLE }

the public enumeration for XMLTV language track types

enum Enum\_MethodNames\_GeneralInterface { Enum\_MethodNames\_GeneralInterface.Query←
 SystemTime, Enum\_MethodNames\_GeneralInterface.QueryBoardInfo, Enum\_MethodNames\_←
 GeneralInterface.QueryExternalMediaStatus }

the public enumeration for common query type to run

• enum Enum MethodNames XmltvInterface {

Enum\_MethodNames\_XmltvInterface.QueryXmltvNumOfChannels, Enum\_MethodNames\_Xmltv⊢ Interface.GetXmltvEntireFile, Enum\_MethodNames\_XmltvInterface.GetXmltvSection, Enum\_← MethodNames\_XmltvInterface.GetXmltvChannelsList,

Enum\_MethodNames\_XmltvInterface.GetXmltvProgramsList, Enum\_MethodNames\_XmltvInterface.←
GetXmltvLanguageTracks, Enum\_MethodNames\_XmltvInterface.ScanEPG, Enum\_MethodNames\_←
XmltvInterface.QueryDataBaseversion }

the public enumeration for XMLTV query type to run

• enum Enum MethodNames RecordingsInterface {

Enum\_MethodNames\_RecordingsInterface.ScheduleChannelRecord, Enum\_MethodNames\_← RecordingsInterface.ScheduleProgramRecord, Enum\_MethodNames\_RecordingsInterface.Start← Record, Enum\_MethodNames\_RecordingsInterface.StopRecord,

Enum\_MethodNames\_RecordingsInterface.GetRecordsList, Enum\_MethodNames\_Recordings⇔ Interface.GetRecordInfo, Enum\_MethodNames\_RecordingsInterface.CancelRecord, Enum\_Method⇔ Names\_RecordingsInterface.DeleteRecord }

the public enumeration for common query type to run

#### **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\_LanguageTrackTypes

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 67 of file PortableInterfaceLibraryCommon.cs.

6.2.2.2 enum Vbox\_Home\_CommonLibrary.PortableInterfaceLibraryCommon.Enum\_MethodNames\_←
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 88 of file PortableInterfaceLibraryCommon.cs.

 $\textbf{6.2.2.3} \quad \textbf{enum Vbox\_Home\_CommonLibrary.PortableInterfaceLibraryCommon.Enum\_MethodNames\_} \leftarrow \\ \textbf{RecordingsInterface} \\$ 

the public enumeration for common query type to run

#### **Enumerator**

ScheduleChannelRecord The query "Schedule a Channel Recording"

ScheduleProgramRecord The query "Schedule a Program Recording"

StartRecord The query "Start a Recording [NOW implied!!]"

StopRecord The query "Stop a Recording [NOW implied!!]"

GetRecordsList The query "Get Recordings List"

GetRecordInfo The query "Get Recordings Info"

CancelRecord The query "Cancel a Recording [prior to start]"

DeleteRecord The query "Delete a Recording [remove the mpg file]"

Definition at line 155 of file PortableInterfaceLibraryCommon.cs.

6.2.2.4 enum Vbox\_Home\_CommonLibrary.PortableInterfaceLibraryCommon.Enum\_MethodNames\_← XmltvInterface

the public enumeration for XMLTV query type to run

#### Enumerator

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 109 of file PortableInterfaceLibraryCommon.cs.

 $6.2.2.5 \quad enum\ Vbox\_Home\_CommonLibrary. Portable Interface Library Common. Enum\_Time Format$ 

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 [qet]

Gets common Request String Portion is the portion of the URI that is constant in every call Definition at line 202 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 210 of file PortableInterfaceLibraryCommon.cs.

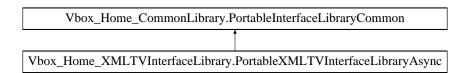
The documentation for this class was generated from the following file:

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 > GetXmltvEntireFileAsync (Uri u)

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

• async Task< XDocument > **GetXmltvSectionAsync** (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 > GetXmltvSectionAsync (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 > GetXmltvChannelsListAsync (Uri u, string fromChIndex, string toChIndex)
  - Async get the XMLTV Channels List (formatted in XMLTV format) from the device

async Task< XDocument > GetXmltvChannelsListAsync (Uri u, string channelsList)

- Async get the XMLTV Channels List (formatted in XMLTV format) from the device
- $\bullet \ \ async \ Task < XDocument > \textbf{GetXmltvProgramsListUsingChannelListAsync} \ (Uri \ u, \ string \ channelList) \\$

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

- $\bullet \ \ async\ Task < X Document > \textbf{GetXmltvProgramsListUsingChannelIndexAsync}\ (Uri\ u,\ string\ channelIndex)$ 
  - Async Get List of programs belong to specific Channel in XMLTV file format
- $\bullet \ \ async \ Task < X Document > \textbf{GetXmltvProgramsListUsingChannelIndexAsync} \ (Uri \ u, \ int \ channelIndex)$

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

async Task< XDocument > GetXmltvLanguageTracksAsync (Uri u, string channelID, Enum\_Language
 — TrackTypes 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.GetNumOf $\leftarrow$  ChannelsAsync ( Uri u )

Async Get the Number Of Channels from the device

**Parameters** 

u 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.PortableXMLTVInterface← LibraryAsync.GetXmltvChannelsListAsync ( Uri u, string fromChIndex, string toChIndex )

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

#### **Parameters**

и	the uri of the device
fromChIndex	a string representing the first channel in a range to query against
toChIndex	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.GetXmltv← ChannelsListAsync ( Uri *u*, string *channelsList* )

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

#### **Parameters**

и	the uri of the device
channelsList	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.GetXmltvEntire  $\leftarrow$  FileAsync ( Uri u )

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

#### **Parameters**

И	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.Get 

XmltvLanguageTracksAsync ( Uri u, string channellD, Enum\_LanguageTrackTypes langTrackType
)

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

#### **Parameters**

и	the uri of the device
channelID	the channel to query against
langTrackType	an enumeration from ENUM_METHODNAME_XMLTVINTERFACELANGUAGETRACKTY
	PES

#### 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.PortableXMLTVInterface← LibraryAsync.GetXmltvProgramsListUsingChannelIndexAsync( Uri u, string channelIndex)
```

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

#### **Parameters**

и	the uri of the device
channelIndex	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.PortableXMLTVInterface← LibraryAsync.GetXmltvProgramsListUsingChannelIndexAsync ( Uri *u,* int *channelIndex* )

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

#### **Parameters**

и	the uri of the device
channelIndex	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.PortableXMLTVInterface← LibraryAsync.GetXmltvProgramsListUsingChannelListAsync ( Uri *u*, string *channelList* )

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

#### **Parameters**

и	the uri of the device
channelList	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.GetXmltv← SectionAsync ( 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 Parameters

и	the uri of the device
fromChIndex	a string representing the first channel in a range to query against
toChIndex	a string representing the last channel in a range to query against
startTime	(optional) The start time in XMLTV time format "20120315130000+0200"
endTime	(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 = " " )
```

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

	и	the uri of the device
С	channelsList	a comma delimited string representing the channels in a range to query against
	startTime	(optional) The start time in XMLTV time format "20120315130000+0200"
	endTime	(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* )

Async get the DataBase Version used from the device

#### **Parameters**

и	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* )

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

#### **Parameters**

и	the uri of the device
channelID	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:

 $\bullet \ vboxSuite/PortableVbox@Home\_XMLTVInterface/PortableXMLTVInterfaceLibraryAsync.cs$ 

# 6.4 PortableVbox\_GHome\_RecordingsInterface.RecordingsInterfaceLibraryAsync Class Reference

Async Portable RECORDINGS Interface Library to the device.

#### 6.4.1 Detailed Description

Async Portable RECORDINGS Interface Library to the device.

Definition at line 32 of file RecordingsInterfaceLibraryAsync.cs.

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

• vboxSuite/PortableVbox@GHome\_RecordingsInterface/RecordingsInterfaceLibraryAsync.cs

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QueryBoardInfo

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