TR-064 Support - X_AVM-DE_OnTel

Supported by AVM

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urn:X_AVM-DE_OnTel-com:serviceld:X_AVM-DE_OnTel1

The service allows to configure contact features. The following features are covered by this service:

- online telephone books,
- telephone books,
- DECT handsets,
- the call list.

1.1 History

	/	
Date	Version	Changes
2011-02-24	11	Shot usage description for GetPhonebook and SetPhonebookEntry.
2011-10-14	12	XML description for call list and phonebook
2011-10-20	13	Call list URL parameter days.
2011-10-28	14	Add Port tag to call list XML file content.
2012-08-21	15	Call list contents.
2012-09-24	16	Call list: rejected calls.
2012-10-09	17	Call List Content, URLs: parameter used twice in one URL Description to differ between voice calls, fax calls and tam calls.
2012-11-15	18	Unique ID and timestamp in call list content. New parameters for call list URL.
2012-11-26	19	Detailed description for timestamp and ID in Table 25: Call list content description and Table 11: URL parameters for CallListURL .
2013-04-04	20	Description for new parameter for phonebook URL in chapter 2.12 GetPhonebook . Description for XML content of phonebook in chapter 4.1 Phonebook Content .
2013-04-15	21	Phonebook XML content: new tag uniqueid

2 Action List

This chapter contains the supported actions of the service X_AVM-DE_OnTel which are listed incl. arguments.

2.1 GetInfo

This action is obsolete and shall not be used any more.

Argument name	Direction	Related state variable	Remarks
NewEnable	out	Enable	
NewStatus	out	Status	
NewLastConnect	out	LastConnect	
NewUrl	out	Url	
NewServiceId	out	ServiceId	
NewUsername	out	Username	
NewName	out	Name	

Table 1: Argument list of action GetInfo

2.2 SetEnable

The action is used to trigger the telephone book synchronization manually. The synchronization starts if switching from false to true. After enabling, the synchronization is automatically started periodically once within 24 hours.

This action is obsolete and shall not be used any more.

Argument name	Direction	Related state variable	Remarks
NewEnable	in	Enable	

Table 2: Argument list of action SetEnable

2.3 SetConfig

This action is obsolete and shall not be used any more.

Argument name	Direction	Related state variable	Remarks
NewEnable	in	Enable	
NewUrl	in	Url	
NewServiceId	in	ServiceId	
NewUsername	in	Username	
NewPassword	in	Password	
NewName	in	Name	Telephone book name

Table 3: Argument list of action SetConfig

2.4 GetInfoByIndex

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	
NewEnable	out	Enable	
NewStatus	out	Status	
NewLastConnect	out	LastConnect	
NewUrl	out	Url	
NewServiceId	out	ServiceId	
NewUsername	out	Username	
NewName	out	Name	

Table 4: Argument list of action GetInfoByIndex

2.5 SetEnableByIndex

The action is used to trigger the telephone book synchronization manually. The synchronization starts if switching from false to true. After enabling, the synchronization is automatically started periodically once within 24 hours.

All accounts are triggered to check for updates on COMS by invoking this action. If the revision has not increased, no synchronization will be made.

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	
NewEnable	in	Enable	

Table 5: Argument list of action SetEnableByIndex

2.6 SetConfigByIndex

If the given index addresses an existing account the configuration is changed. If the index addresses a new account and the index is OntelNumberOfEntries + 1 then a new account is generated.

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	
NewEnable	in	Enable	
NewUrl	in	Url	
NewServiceId	in	ServiceId	
NewUsername	in	Username	
NewPassword	in	Password	
NewName	in	Name	Telephone book name

Table 6: Argument list of action SetConfigByIndex

2.7 GetNumberOfEntries

Argument name	Direction	Related state variable	Remarks
NewOntelNumberOfEntries	out	OntelNumberOfEntries	

Table 7: Argument list of action GetNumberOfEntries

2.8 DeleteByIndex

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	

Table 8: Argument list of action DeleteByIndex

2.9 GetMessageStatus

Argument name	Direction	Related state variable	Remarks
NewFoncalls	out	Foncalls	
NewMessages	out	Messages	
NewFax	out	Fax	

Table 9: Argument list of action GetMessageStatus

2.10 GetCallList

The URL can be extended to limit the number of entries in the XML call list file.

E.g. max=42 would limit to 42 calls in the list.

If the parameter is not set or the value is 0 all calls will be inserted into the call list file.

The URL can be extended to fetch a limited number of entries using the parameter days.

E.g. days=7 would fetch the calls from now until 7 days in the past.

If the parameter is not set or the value is 0 all calls will be inserted into the call list file.

Argument name	Direction	Related state variable	Remarks
NewCallListURL	out	CallListURL	

Table 10: Argument list of action GetCallList

The following URL parameters are supported.

Parameter name	Туре	Remarks
days	number	number of days to look back for calls e.g. 1: calls from today and yesterday, 7: calls from the complete last week, default 999
id	number	calls since this unique ID
max	number	maximum number of entries in call list, default 999
sid	hex-string	Session ID for authentication
timestamp	number	value from timestamp tag, to get only entries that are

Parameter name	Туре	Remarks
		newer (timestamp is resetted by a factory reset)
tr064sid	string	Session ID for authentication (obsolete)
type	string	optional parameter for type of output file: xml (default) or csv

Table 11: URL parameters for CallListURL

The parameters timestamp and id have to be used in combination. If only one of both is used, the feature is not supported.

2.11 GetPhonebookList

Argument name	Direction	Related state variable	Remarks
NewPhonebookList	out	PhonebookList	

Table 12: Argument list of action GetPhonebookList

2.12 GetPhonebook

The value of PhonebookExtraID may be an empty string.

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Argument name	Direction	Related state variable	Remarks			
NewPhonebookID	in	PhonebookID				
NewPhonebookURL	out	PhonebookURL				
NewPhonebookName	out	PhonebookName				
NewPhonebookExtraID	out	PhonebookExtraID	New since 2011-01-31			

Table 13: Argument list of action GetPhonebook

The following URL parameters are supported.

Parameter name	Туре	Remarks
pbid	number	Phonebook ID
max	number	maximum number of entries in call list, default 999
sid	hex-string	Session ID for authentication
timestamp	number	value from timestamp tag, to get the phonebook content only if last modification was made after this timestamp
tr064sid	string	Session ID for authentication (obsolete)

Table 14: URL parameters for PhonebookURL

2.13 AddPhonebook

Argument name	Direction	Related state variable	Remarks
NewPhonebookName	in	PhonebookName	
NewPhonebookExtraID	in	PhonebookExtraID	Optional

Table 15: Argument list of action AddPhonebook

2.14 DeletePhonebook

Argument name	Direction	Related state variable	Remarks
NewPhonebookID	in	PhonebookID	
NewPhonebookExtraID	in	PhonebookExtraID	Optional

Table 16: Argument list of action DeletePhonebook

2.15 GetPhonebookEntry

Argument name	Direction	Related state variable	Remarks
NewPhonebookID	in	PhonebookID	
NewPhonebookEntryID	in	PhonebookEntryID	
NewPhonebookEntryData	out	PhonebookEntryData	

Table 17: Argument list of action GetPhonebookEntry

2.16 SetPhonebookEntry

Add new entries with "" as value for PhonebookEntryID.

Change existing entries with a value used for PhonebookEntryID with GetPhonebookEntry.

The variable PhonebookEntryData may contain a unique ID.

Argument name	Direction	Related state variable	Remarks
NewPhonebookID	in	PhonebookID	
NewPhonebookEntryID	in	PhonebookEntryID	
NewPhonebookEntryData	in	PhonebookEntryData	

Table 18: Argument list of action SetPhonebookEntry

2.17 DeletePhonebookEntry

Argument name	Direction	Related state variable	Remarks
NewPhonebookID	in	PhonebookID	
NewPhonebookEntryID	in	PhonebookEntryID	

Table 19: Argument list of action DeletePhonebookEntry

2.18 GetDECTHandsetList

Argument name	Direction	Related state variable	Remarks
NewDectIDList	out	DectIDList	

Table 20: Argument list of action GetDECTHandsetList

2.19 GetDECTHandsetInfo

Argument name	Direction	Related state variable	Remarks
NewDectID	in	DectID	
NewHandsetName	out	HandsetName	
NewPhonebookID	out	PhonebookID	

Table 21: Argument list of action GetDECTHandsetInfo

2.20 SetDECTHandsetPhonebook

Argument name	Direction	Related state variable	Remarks
NewDectID	in	DectID	
NewPhonebookID	in	PhonebookID	

Table 22: Argument list of action SetDECTHandsetPhonebook

3 Service States Table

Variable name	Allowed values (* == default)	Data type
CallListURL		String
DectID		String
DectIDList	Comma separated list of DectID	String
Enable		Bool
Fax		ui2
Foncalls		ui2
HandsetName		String
Index	1 10	ui2
LastConnect		Date
Messages		ui2
Name		String
OntelNumberOfEntries	0 10	ui2
Password		String
PhonebookEntryData	XML document with a single entry.	String
PhonebookEntryID	Number for a single entry in a phonebook.	ui4
PhonebookExtraID	Optional parameter to make a phonebook unique.	String
PhonebookID		ui4
PhonebookList	Comma separated list of PhonebookID	String
PhonebookName		String
PhonebookURL		String
ServiceId		String
Status		String
Url		String
Username		String

Table 23: Variable list

4 XML Document Contents

4.1 Phonebook Content

The following shows an example XML content for a telephone book.

```
<?xml version="1.0"?>
<phonebooks>
  <phonebook owner="0" name="Telefonbuch">
    <!-- number of contacts 17 -->
    <contact>
      <!-- numbers 1 -->
      <category/>
      <person>
        <realName>Alle (Rundruf)</realName>
      </person>
      <telephony>
        <services>
          <!-- emails 0 -->
        </services>
        <number type="intern" quickdial="" vanity="" prio="0">**9</number>
      </telephony>
      <uniqueid>1232</uniqueid>
    </contact>
    <contact>
      <!-- numbers 1 -->
      <category/>
      <person>
        <realName>FRITZ!App Fon Desire HD</realName>
      </person>
      <telephony>
        <services>
          <!-- emails 0 -->
        </services>
        <number type="intern" quickdial="" vanity="" prio="0">**621
      </telephony>
      <uniqueid>1235</uniqueid>
    </contact>
    <contact>
      <!-- numbers 1 -->
      <category/>
      <person>
        <realName>SRE</realName>
        <imageURL>/download.lua?path=/var/media/ftp/JetFlash-Transcend4GB-
01/FRITZ/fonpix/1316705057-0.jpg</imageURL>
      </person>
      <telephony>
        <services>
          <!-- emails 0 -->
        </services>
        <number type="work" quickdial="1" vanity="" prio="0"</pre>
>03039976794</number>
      </telephony>
      <uniqueid>1234</uniqueid>
    </contact>
  </phonebook>
</phonebooks>
```

Tag	Туре	Description
phonebooks	Complex	Root element
phonebook	Complex	
timestamp	Integer	Last modification timestamp.
contact	Complex	
person	Complex	
realName	String	Name of Contact
imageURL	String	HTTP URL to image for this contact
telephony	Complex	
services	Complex	
email	String	Email address
number	String	Phone number
uniqueid	Integer	Unique ID for a single contact (new since 2013-04-20)

Table 24: Phonebook content description

4.1.1.1 URLs

A telephone book may contain URLs with an image for the contact. The content can be downloaded using the protocol, hostname and port with the image URL.

An example is described here:

Protocol: https Hostname: fritz.box

Port: 49443

image URL: /download.lua?path=/var/media/ftp/JetFlash-Transcend4GB-01/FRITZ/fonpix/1316705057-0.jpg

The combination of

Protocoll + :// + Hostname + : + Port + image URL

will be the complete URL

https://fritz.box:49443/download.lua?path=/var/media/ftp/JetFlash-Transcend4GB-01/FRITZ/fonpix/1316705057-0.jpg

Please note, that this URL might require authentication.

4.2 Call List Content

The following shows an example XML content for a call list.

To differ between voice calls, fax calls and TAM calls use the Port value.

E.g. if port equals 5 it is a fax call. If port equals 6 or port in in the rage of 40 to 49 it is a TAM call.

```
<Caller>SIP: 98765</Caller>
   <Name>Max Mustermann</Name>
   <Numbertype/>
   <Device>Mobilteil 1
   <Port>10</Port>
   <Date>23.09.11 08:13
   <Duration>0:01</Duration>
   <Count/>
   <Path/>
 </Call>
 <Call>
   <Id>122</Id>
   <Type>1</Type>
   <Caller>012456789</Caller>
   <Called>56789</Called>
   <Name>Max Mustermann</Name>
   <Numbertype/>
   <Device>Anrufbeantworter 1
   <Port>40</Port>
   <Date>22.09.11 14:19</pate>
   <Duration>0:01</Duration>
   <Path>/download.lua?path=/var/media/ftp/JetFlash-Transcend4GB-
01/FRITZ/voicebox/rec/rec.0.000</Path>
 </Call>
</root>
```

Tag	Туре	Description
timestamp	Integer	Timestamp of call list creation (unique ID per call list).
Call	Complex	
Id	Integer	Unique ID per call.
Туре	Integer	1 incoming, 2 missed, 3 outgoing, 9 active incoming, 10 rejected incoming, 11 active outgoing
Called	String	Number of called party
Caller	String	Number of calling party
Name	String	Name of called/ called party (outgoing/ incoming call)
Numbertype	String	pots, isdn, sip, umts, "
Device	String	Name of used telephone port.
Port	String	Number of telephone port.
Date	Date-String	31.07.12 12:03
Duration	String	hh:mm (minutes rounded up)
Path	String	URL path to TAM or FAX file.

Table 25: Call list content description

4.2.1.1 URLs

A call list may contain URLs for telephone answering machine messages or fax messages. The content can be downloaded using the protocol, hostname and port with the path URL. An example is described here:

Protocol: https Hostname: fritz.box

Port: 49443

path URL: /download.lua?path=/var/media/ftp/JetFlash-Transcend4GB-01/FRITZ/voicebox/rec/rec.0.000

The combination of

Protocoll +: // + Hostname +: + Port + path URL

will be the complete URL

https://fritz.box:49443/download.lua?path=/var/media/ftp/JetFlash-Transcend4GB-01/FRITZ/voicebox/rec/rec.0.000

Please note, that this URL might require authentication.