TR-064 Support – X_AVM-DE_Filelinks

Supported by AVM

Author: AVM GmbH
Date: 2016-07-07

1 urn:X_AVM-DE_Filelinks-com:serviceId:X_AVM-DE_Filelinks1

For details please refer the TR-064 document at http://www.dslforum.org/techwork/tr/TR-064.pdf.

1.1 History

Date	Version	Changes
2015-08-10	1	First Version
2015-08-18	2	NewFilelinkEntry – ID added GetGenericFilelinkEntry – correct the description
2016-07-07	3	Action GetFilelinkListPath and state variable NewFilelinkListPath added

1.2 Content

Content

2 Action List

This chapter contains the supported actions of the service Filelinks which are listed incl. arguments.

2.1 GetNumberOfFilelinkEntries

Returns the number of NAS filelinks.
- • Required rights: NASRight

Argument name	Direction	Related state variable	Remarks
NewNumberOfEntries	out	NumberOfEntries	

Table 1: Argument list of action GetNumberOfFilelinkEntries

Return code	Description	Related argument
402	Invalid arguments	Any

Table 2: Return codes of action GetNumberOfFilelinkEntries

2.2 GetGenericFilelinkEntry

Read values/states for a NAS filelink by index.
Index can have a value from 0 .. NumberOfEntries-1 (from GetNumerOfFilelinkEntries).
- • Required rights: NASRight

Argument name	Direction	Related state variable	Remarks
NewIndex	in	NumberOfEntries	
NewID	out	ID	
NewValid	out	Valid	
NewPath	out	Path	
NewIsDirectory	out	IsDirectory	
NewUrl	out	Url	
NewUsername	out	Username	
NewAccessCountLimit	out	AccessCountLimit	
NewAccessCount	out	AccessCount	
NewExpire	out	Expire	
NewExpireDate	out	ExpireDate	

Table 3: Argument list of action GetGenericFilelinkEntry

Return code	Description	Related argument
402	Invalid arguments	Any
713	Invalid array index	Any input parameter
714	No such entry in array	Any input parameter

Table 4: Return codes of action GetGenericFilelinkEntry

2.3 GetSpecificFilelinkEntry

Read values/states for a NAS filelink by ID.
- • Required rights: NASRight

Argument name	Direction	Related state variable	Remarks
NewID	in	ID	

Argument name	Direction	Related state variable	Remarks
NewValid	out	Valid	
NewPath	out	Path	
NewIsDirectory	out	IsDirectory	
NewUrl	out	Url	
NewUsername	out	Username	
NewAccessCountLimit	out	AccessCountLimit	
NewAccessCount	out	AccessCount	
NewExpire	out	Expire	
NewExpireDate	out	ExpireDate	

Table 5: Argument list of action GetSpecificFilelinkEntry

Return code	Description	Related argument
402	Invalid arguments	Any
713	Invalid array index	Any input parameter
714	No such entry in array	Any input parameter

Table 6: Return codes of action GetSpecificFilelinkEntry

2.4 NewFilelinkEntry

Create a new filelink entry.
- Required rights: NASRight

Argument name	Direction	Related state variable	Remarks
NewPath	in	Path	
NewAccessCountLimit	in	AccessCountLimit	
NewExpire	in	Expire	
NewID	out	ID	

Table 7: Argument list of action NewFilelinkEntry

Return code	Description	Related argument
402	Invalid arguments	Any
820	Internal Error	Output parameter

Table 8: Return codes of action NewFilelinkEntry

2.5 SetFilelinkEntry

Change a filelink entry selected by ID.
- Required rights: NASRight

Argument name	Direction	Related state variable	Remarks
NewID	in	ID	
NewAccessCountLimit	in	AccessCountLimit	
NewExpire	in	Expire	

Table 9: Argument list of action SetFilelinkEntry

Return code	Description	Related argument
402	Invalid arguments	Any
714	No such entry in array	Any input parameter

Table 10: Return codes of action SetFilelinkEntry

2.6 DeleteFilelinkEntry

Delete a filelink entry selected by ID.
- Required rights: NASRight

Argument name	Direction	Related state variable	Remarks
NewID	in	ID	

Table 11: Argument list of action DeleteFilelinkEntry

Return code	Description	Related argument
402	Invalid arguments	Any
714	No such entry in array	Any input parameter

Table 12: Return codes of action DeleteFilelinkEntry

2.7 GetFilelinkListPath

Gets a path to a lua script file, which generates an XML structured list of file links depending on the granted rights of the user. A generated xml example is shown in 5.1 Filelink list content.
- Required rights: NASRight, ConfigRight

Argument name	Direction	Related state variable	Remarks
NewFilelinkListPath	out	FilelinkListPath	Related path to luascript which generates a formatted list

Table 13: Argument list of action GetFilelinkListPath

Return code	Description	Related argument
402	Invalid arguments	Any
820	Internal Error	

Table 14: Return codes of action GetFilelinkListPath

3 Parameters

4 Service States Table

Variable name	Send events	Allowed values (* == default)	Data type	Date
AccessCount	no	0	ui2	
AccessCountLimit	no	0	ui2	
Expire	no	0	ui2	
ExpireDate	no	*0001-01-01T00:00:00	Date-String	
ID	no		String	
IsDirectory	no		Boolean	
NumberOfEntries	no	0	ui2	
Url	no		String	
Username	no		String	
Path	no		String	
Valid	no		Boolean	

Table 15: Variable list

5 XML Document Contents

5.1 Filelink list content

The following shows an example XML structured list of file links.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<List>
        <!-- filelinks :4 -->
        <Item>
                <Index>1</Index>
                <ID>020223a3f8d13566</ID>
                <Valid>1</Valid>
                <Path>/Musik/FRITZ-Song (4).mp3</Path>
                <IsDirectory>0</IsDirectory>
                <Url>/nas/filelink.lua?id=020223a3f8d13566</Url>
                <Username>myMax</Username>
                <AccessCountLimit>14</AccessCountLimit>
                <AccessCount>0</AccessCount>
                <Expire>99</Expire>
                <ExpireDate>2016-10-13T11:29:59Z</ExpireDate>
        </Item>
        …
</List>
```

Tag	Type	Description
AccessCount	ui2	Counts the hits on a file
AccessCountLimit	ui2	Limit the hit count on a file
Expire	ui2	Remaining days until expire date is reached
ExpireDate	dateTime	Expiration date for the link. Formatted according to iso 8601 : 0001-01-01T00:00:00
ID	string	Unique id for each file link
Index	Int	sequential number for each file link.
IsDirectory	boolean	'1' file link is directory, '0' file link is file
Url	string	file link
Username	string	Username of the creator of the file link
Path	string	Path to the file/directory in the storage hierarchy
Valid	boolean	

Table 16: FilelinkList content description