TR-064 Support – DeviceConfig

Supported by AVM

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urn:DeviceConfig-com:serviceId:DeviceConfig1

For details please refer the TR-064 document at http://www.broadband-forum.org/technical/download/TR-064.pdf.

1 History

Date	Version	Changes
2010-05-10	3	Initial public version.
2011-12-05	4	New action X_AVM-DE_CreateUrlSID
2012-11-06	5	X_AVM-DE_SetConfigFile: Changed support for authentication.
2013-01-23	6	Updated link to TR-064 document.

2 Action List

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

2.1 GetPersistentData

Argument name	Direction	Related state variable	Remarks
NewPersistentData	out	PersistentData	

Table 1: Argument list of action GetPersistentData

2.2 SetPersistentData

Argument name	Direction	Related state variable	Remarks
NewPersistentData	in	PersistentData	Shall not be empty.

Table 2: Argument list of action SetPersistentData

2.3 ConfigurationStarted

Argument name	Direction	Related state variable	Remarks
NewSessionID	in	A_ARG_TYPE_UUID	

Table 3: Argument list of action ConfigurationStarted

2.4 ConfigurationFinished

Argument name	Direction	Related state variable	Remarks
NewStatus	out	A_ARG_TYPE_Status	

Table 4: Argument list of action ConfigurationFinished

2.5 FactoryReset

No arguments.

2.6 Reboot

No arguments.

2.7 X_GenerateUUID

Argument name	Direction	Related state variable	Remarks
NewUUID	out	UUID	

Table 5: Argument list of action X_GenerateUUID

2.8 X_AVM-DE_GetConfigFile

The action uses the given password to offer an encrypted password file to be downloaded at the given URL.

The URL is secured by SSL (https://) using the TR-064 SSL certificate.

The URL is secured by Digest authorization using the currently active username and password of the TR-064 service.

The URL is valid for less than 30 seconds.

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_Password	in	X_AVM-DE_Password	
NewX_AVM-DE_ConfigFileUrl	out	X_AVM-DE_ConfigFileUrl	

Table 6: Argument list of action X_AVM-DE_GetConfigFile

2.9 X_AVM-DE_SetConfigFile

The action needs both arguments. The password can be empty.

The URL shall use http or https protocol. The URL shall not be secured by Basic or Digest authorization.

The URL shall be accessible when the action is called. The URL may have the following format:
http[s]://subdomain.domain.country[:port][/resource]

e.g. http://192.168.178.123:12345/ABCDEF or

https://192.168.178.123:23456 or

http://192.168.178.123/cfg.export

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_Password	in	X_AVM-DE_Password	
NewX_AVM-DE_ConfigFileUrl	in	X_AVM-DE_ConfigFileUrl	

Table 7: Argument list of action X_AVM-DE_SetConfigFile

2.10 X_AVM-DE_CreateUrlSID

Generate a temporary URL session ID. The session ID is need for accessing URLs like phone book, call list, FAX message, answering machine messages or phone book images.

Argument name	Direction	Related state variable	Remarks
NewX_AVM-DE_UrlSID	out	X_AVM-DE_UrlSID	

Table 8: Argument list of action X_AVM-DE_CreateUrlSID

3 Service States Table

Variable name	Allowed values (* == default)	Data type
PersistentData		String
A_ARG_TYPE_UUID		String
A_ARG_TYPE_Status		String
UUID		uuid
X_AVM-DE_ConfigFileUrl		String
X_AVM-DE_Password		String
X_AVM-DE_UrlSID		String

Table 9: Variable list