TR-064 Support – X_AVM-DE_Storage

by AVM

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urn:X_AVM-DE_Storage-com:serviceId:X_AVM-DE_Storage1

For details please refer the TR-140 specification for the complete data model tree.

History

Date	Version	Changes
2012-12-03	7	Description of user related actions for multi user configurations.
2015-10-01	8	Add parameters FTPWANEnable, FTPWANSSLOnly and FTPWANPort to action GetInfo. Add action SetFTPServerWAN.
2015-11-17	9	Change type of FTPWANPort from ui4 to ui2
2016-09-06	10	Add action RequestFTPServerWAN and state variable FTPWANLifetime
2016-11-15	11	Add more detailed description for action RequestFTPServerWAN.
2019-02-21	12	ftpuser will not be created after SetUserConfig action call.
2022-02-14	13	Added required rights for action

1 Action List

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

1.1 GetInfo

Required rights: App

Argument name	Direction	Related state variable	Remarks
NewFTPEnable	out	FTPEnable	
NewFTPStatus	out	FTPStatus	
NewSMBEnable	out	SMBEnable	
NewFTPWANEnable	out	FTPWANEnable	
NewFTPWANSSLOnly	out	FTPWANSSLOnly	
NewFTPWANPort	out	FTPWANPort	

Table 1: Argument list of action GetInfo

1.2 SetFTPServer

Argument name	Direction	Related state variable	Remarks
NewFTPEnable	in	FTPEnable	

Table 2: Argument list of action SetFTPServer

1.3 SetFTPServerWAN

Argument name	Direction	Related state variable	Remarks
NewFTPWANEnable	in	FTPWANEnable	
NewFTPWANSSLOnly	in	FTPWANSSLOnly	

Table 3: Argument list of action SetFTPServerWAN

1.4 RequestFTPServerWAN

Open the configured FTP WAN port for IPv4 and IPv6 (if available).

The port is opened permanently if service is enabled and WAN access is configured.

The port is opened for a limited time if service is enabled and WAN access is not configured.

- Required rights: app or nas
- The security context of this action **must belong to an app instance**.

Argument name	Direction	Related state variable	Remarks
NewFTPWANPort	out	FTPWANPort	
NewFTPWANLifetime	out	FTPWANLifetime	Seconds

Table 4: Argument list of action RequestFTPServerWAN

Return code	Description	Related argument
402	Invalid args	Any
600	Arg invalid	Current configuration does not allow request to FTP server
606	Not authorized	Action only allowed for app instances and not for users
820	Internal error	If resource allocation failed.

Table 5: Return codes of action RequestFTPServerWAN

1.5 SetSMBServer

Argument name	Direction	Related state variable	Remarks
NewSMBEnable	in	SMBEnable	

Table 6: Argument list of action SetSMBServer

1.6 GetUserInfo

The action uses the FRITZ!Box user with the username "ftpuser". Uppercase and lowercase letters are ignored.
If the user does not exist, Enable is 0.
If the user exists but has no rights to access any storage, Enable is 0.

If Enable is 0, X_AVM-DE_NetworkAccessReadOnly is always 1.

Argument name	Direction	Related state variable	Remarks
NewEnable	out	Enable	
NewUsername	out	Username	
NewX_AVM-DE_NetworkAccessReadOnly	out	X_AVM-DE_NetworkAccessReadOnly	

Table 7: Argument list of action GetUserInfo

1.7 SetUserConfig

If no user with the name "ftpuser" exists, internal error status code should be retrieved.
Allowed characters for Password are all ASCII characters with decimal values from 32 to 126.
The length of Password may be from 1 to 32 characters and the string "nil" is not allowed.
If Enable is 0, X_AVM-DE_NetworkAccessReadOnly will always be set to 1.

Argument name	Direction	Related state variable	Remarks
NewEnable	in	Enable	
NewPassword	in	Password	
NewX_AVM-DE_NetworkAccessReadOnly	in	X_AVM-DE_NetworkAccessReadOnly	

Table 8: Argument list of action SetUserConfig

Return code	Description	Related argument
820	Internal error	No ftpuser exists, password is invalid
600	Arg Invalid	One of the argument names is wrong
402	Invalid args	If X_AVM-DE_NetworkAccessReadOnly or Enable is empty or is invalid.

Table 9: Return codes of action SetUserConfig

2 Service States Table

Variable name	Allowed values (* == default)	Data type
Enable	0*	Boolean
FTPEnable	0*	Boolean
FTPStatus	"Enable", "Disable", "Error"	String
FTPWANEnable	0*	Boolean
FTPWANLifetime	0	ui4
FTPWANPort	0*	ui2
FTPWANSSLOnly	0*	Boolean
Password		String write only
SMBEnable	0*	Boolean
Username		String read only
X_AVM-DE_NetworkAccessReadOnly	0*	Boolean

Table 10: Variable list