TR-064 Support – X_AVM-DE_HostFilter

Supported by AVM

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1 urn:X_AVM-DE_HostFilter-com:serviceId:X_AVM-DE_HostFilter1

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

1.1 History

Date	Version	Changes
2019-12-12	1	Initial document of service X_AVM-DE_HostFilter created
2020-04-01	2	Added new actions GetWANAccessByIP and DisallowWANAccessByIP. Added new state variables Disallow and WANAccess

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2 Action List

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

2.1 DisallowWANAccessByIP

In addition to filter profile settings, Disallow is a boolean configuration value to disallow WAN access of a LAN device. Have in mind that even if the state is set to "0", the LAN device may still have no WAN access because of filter profile. Setting the Disallow state variable is an asynchronous process, therefore it may need some time to take effect.

Argument name	Direction	Related state variable	Remarks
NewIPv4Address	in	IPv4Address	
NewDisallow	in	Disallow	

Table 2.1: Argument list of action DisallowWANAccessByIP

Return code	Description	Related argument
820	Internal Error	
714	No such entry in array	NewIPv4Address
402	Invalid Args	any

Table 2.2: Return codes of action DisallowWANAccessByIP

2.2 DiscardAllTickets

No arguments.
Because we have a limit of 10 TickedIDs which can be "marked" (retrieved via MarkTicketID) at the same time, it could be necessary to invalidate all TicketIDs and create a new List of "unmarked" TicketIDs.

Return code	Description	Related argument
820	Internal Error	
402	Invalid Args	any

Table 2.3: Return codes of action DiscardAllTickets

2.3 GetTicketIDStatus

Returns the state of the TicketID. The state can be:

"invalid"	The TicketID may be already used or was never valid.
"unmarked"	The TicketID is not retrieved via action MarkTicket nor marked via WebGUI.
"marked"	The TicketID is retrieved via action MarkTicket or marked via WebGUI and not used.

Table 2.4: Possible values of the state variable TicketIDStatus

Argument name	Direction	Related state variable	Remarks
NewTicketID	in	TicketID	
NewTicketIDStatus	out	TicketIDStatus	

Table 2.5: Argument list of action GetTicketIDStatus

Return code	Description	Related argument
820	Internal Error	
402	Invalid Args	any

Table 2.6: Return codes of action GetTicketIDStatus

2.4 GetWANAccessByIP

Returns the state of WANAccess for the given LAN device's IP address. The value of WANAccess represents the state of WAN access derived by configuration settings of Disallow (see 2.1 DisallowWANAccessByIP) and the LAN device's filter profile.

State value	Description
"granted"	The LAN device has access to WAN.
"denied"	The LAN device has no access to WAN.
"error"	Something went wrong, the state could not yet be retrieved.

Table 2.7: Possible values of state variable WANAccess

Argument name	Direction	Related state variable	Remarks
NewIPv4Address	in	IPv4Address	
NewWANAccess	out	WANAccess	
NewDisallow	out	Disallow	

Table 2.8: Argument list of action GetWANAccessByIP

Return code	Description	Related argument
820	Internal Error	
714	No such entry in array	NewIPv4Address
402	Invalid Args	any

Table 2.9: Return codes of action GetWANAccessByIP

2.5 MarkTicket

Get a TicketID and set their state to "marked". Only "unmarked" TicketIDs can be retrieved. The number of TicketIDs which can be "marked" at the same time is limited to 10. If the return code 714 is retrieved, no "unmarked" TicketID is available. If a new TicketID is needed, it is necessary to discard all (old) TicketIDs (see 2.2 DiscardAllTickets) or activate at least one of them.

Argument name	Direction	Related state variable	Remarks
NewTicketID	out	TicketID	

Table 2.10: Argument list of action MarkTicket

Return code	Description	Related argument
820	Internal Error	
714	No such entry in array	
402	Invalid Args	any

Table 2.11: Return codes of action MarkTicket

3 Service States Table

Variable name	Send events	Allowed values (* == default)	Data type	Date
Disallow	no	1, 0*	Boolean	
TicketID	no	Numerical string of 6 character length e.g. "123456"	String	
TicketIDState	no	"unmarked", "marked", "invalid"	String	
WANAccess	no	"granted", "denied", "error"	String	

Table 3.1: Variable list