

TR-064 Support – Layer3Forwarding

Supported by AVM

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urn:Layer3Forwarding-com:serviceId:Layer3Forwarding1

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

Action List

This chapter contains the supported actions of the service layer 3 forwarding which are listed incl. arguments.

SetDefaultConnectionService

Argument name	Direction	Related state variable	Remarks
NewDefaultConnectionService	in	DefaultConnectionService	

Table 1: Argument list of action SetDefaultConnectionService

GetDefaultConnectionService

Argument name	Direction	Related state variable	Remarks
NewDefaultConnectionService	out	DefaultConnectionService	

Table 2: Argument list of action GetDefaultConnectionService

GetForwardNumberOfEntries

Argument name	Direction	Related state variable	Remarks
NewForwardNumberOfEntries	out	ForwardNumberOfEntries	

Table 3: Argument list of action SetDefaultConnectionService

AddForwardingEntry

Argument name	Direction	Related state variable	Remarks
NewType	in	Type	
NewDestIPAddress	in	DestIPAddress	
NewDestSubnetMask	in	DestSubnetMask	
NewSourceIPAddress	in	SourceIPAddress	Content shall be 0.0.0.0. SourceIPAddress not supported
NewSourceSubnetMask	in	SourceSubnetMask	Content shall be 0.0.0.0. SourceSubnetMask not supported
NewGatewayIPAddress	in	GatewayIPAddress	
NewInterface	in	Interface	Only Defaultconnection is supported, e.g. "1.WANPPPConnection.1". Other values are ignored.
NewForwardingMetric	in	ForwardingMetric	

Table 4: Argument list of action AddForwardingEntry

DeleteForwardingEntry

Argument name	Direction	Related state variable	Remarks
NewDestIPAddress	in	DestIPAddress	
NewDestSubnetMask	in	DestSubnetMask	
NewSourceIPAddress	in	SourceIPAddress	
NewSourceSubnetMask	in	SourceSubnetMask	

Table 5: Argument list of action DeleteForwardingEntry

GetSpecificForwardingEntry

Argument name	Direction	Related state variable	Remarks
NewDestIPAddress	in	DestIPAddress	
NewDestSubnetMask	in	DestSubnetMask	
NewSourceIPAddress	in	SourceIPAddress	
NewSourceSubnetMask	in	SourceSubnetMask	
NewGatewayIPAddress	out	GatewayIPAddress	
NewEnable	out	Enable	
NewStatus	out	Status	
NewType	out	Type	
NewForwardingMetric	out	ForwardingMetric	
NewInterface	out	Interface	

Table 6: Argument list of action GetSpecificForwardingEntry

GetGenericForwardingEntry

Argument name	Direction	Related state variable	Remarks
NewForwardingIndex	in	ForwardNumberOfEntries	
NewEnable	out	Enable	
NewStatus	out	Status	
NewType	out	Type	
NewDestIPAddress	out	DestIPAddress	
NewDestSubnetMask	out	DestSubnetMask	
NewSourceIPAddress	out	SourceIPAddress	
NewSourceSubnetMask	out	SourceSubnetMask	
NewGatewayIPAddress	out	GatewayIPAddress	
NewInterface	out	Interface	
NewForwardingMetric	out	ForwardingMetric	

Table 7: Argument list of action GetGenericForwardingEntry

SetForwardingEntryEnable

Argument name	Direction	Related state variable	Remarks
NewDestIPAddress	in	DestIPAddress	
NewDestSubnetMask	in	DestSubnetMask	
NewSourceIPAddress	in	SourceIPAddress	
NewSourceSubnetMask	in	SourceSubnetMask	
NewEnable	in	Enable	

Table 8: Argument list of action SetForwardingEntryEnable

Service States Table

Variable name	Send events	Allowed values (* == default)	Data type
DefaultConnectionService	no		string
ForwardNumberOfEntries	no		ui2
Enable	no		Boolean
Status	no		String
Type	no		String
DestIPAddress	no		String
DestSubnetMask	no		String
SourceIPAddress	no		String
SourceSubnetMask	no		String
GatewayIPAddress	no		String
Interface	no		String
ForwardingMetric	no		i4

Table 9: Variable list