

TR-064 Support – WAN IP Connection

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History

Datum	Version	Description
2013-09-06	1	Initial version of WAN IP Connection service
2015-11-20	2	GetInfo missing parameter added GetGenericPortMappingEntry parameter renamed GetSpecificPortMappingEntry parameter renamed AddPortMapping parameter renamed Variable RemoteHost added to Service State Table
2017-01-09	3	Mark X_SetDNSServer as unsupported

urn:WANIPConnection-com:serviceId:WANIPConnection1

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

1 Action List

This chapter contains the supported actions of the service WAN IP Connection which are listed incl. arguments.

1.1 GetInfo

Argument name	Direction	Related state variable	Remarks
NewEnable	out	Enable	
NewConnectionStatus	out	ConnectionStatus	
NewPossibleConnectionTypes	out	PossibleConnectionTypes	
NewConnectionType	out	ConnectionType	
NewName	out	Name	
NewUptime	out	Uptime	
NewLastConnectionError	out	LastConnectionError	
NewRSIPAvailable	out	RSIPAvailable	
NewNATEnabled	out	NATEnabled	
NewExternalIPAddress	out	ExternalIPAddress	
NewDNSServers	out	DNSServers	
NewMACAddress	out	MACAddress	
NewConnectionTrigger	out	ConnectionTrigger	
NewRouteProtocolRx	out	RouteProtocolRx	
NewDNSEnabled	out	DNSEnabled	
NewDNSOverrideAllowed	out	DNSOverrideAllowed	

Table 1: Argument list of action *GetInfo*

1.2 GetConnectionTypeInfo

Argument name	Direction	Related state variable
NewConnectionType	out	ConnectionType
NewPossibleConnectionTypes	out	PossibleConnectionTypes

Table 2: Argument list of action *GetConnectionTypeInfo*

1.3 SetConnectionType

Argument name	Direction	Related state variable	Remarks
NewConnectionType	in	ConnectionType	

Table 3: Argument list of action *SetConnectionType*

1.4 GetStatusInfo

Argument name	Direction	Related state variable	Remarks
NewConnectionStatus	out	ConnectionStatus	
NewLastConnectionError	out	LastConnectionError	
NewUptime	out	Uptime	

Table 4: Argument list of action *GetStatusInfo*

1.5 GetNATRSIPStatus

Argument name	Direction	Related state variable	Remarks
NewRSIPAvailable	out	RSIPAvailable	
NewNATEnabled	out	NATEnabled	

Table 5: Argument list of action GetNATRSIPStatus

1.6 SetConnectionTrigger

Argument name	Direction	Related state variable	Remarks
NewConnectionTrigger	in	ConnectionTrigger	

Table 6: Argument list of action SetConnectionTrigger

1.7 ForceTermination

No arguments.

1.8 RequestConnection

No arguments.

1.9 X_GetDNSServers

Argument name	Direction	Related state variable	Remarks
NewDNSServers	out	DNSServers	

Table 7: Argument list of action X_GetDNSServers

1.10 X_SetDNSServers

The action is not supported.

1.11 GetPortMappingNumberOfEntries

Argument name	Direction	Related state variable	Remarks
NewPortMappingNumberOfEntries	out	PortMappingNumberOfEntries	

Table 8: Argument list of action GetPortMappingNumberOfEntries

1.12 GetGenericPortMappingEntry

Argument name	Direction	Related state variable	Remarks
NewPortMappingIndex	in	PortMappingNumberOfEntries	
NewRemoteHost	out	RemoteHost	
NewExternalPort	out	ExternalPort	
NewProtocol	out	PortMappingProtocol	
NewInternalPort	out	InternalPort	
NewInternalClient	out	InternalClient	
NewEnabled	out	PortMappingEnabled	
NewPortMappingDescription	out	PortMappingDescription	
NewLeaseDuration	out	PortMappingLeaseDuration	

Table 9: Argument list of action GetGenericPortMappingEntry

1.13 GetSpecificPortMappingEntry

Argument name	Direction	Related state variable	Remarks
NewRemoteHost	in	RemoteHost	
NewExternalPort	in	ExternalPort	
NewProtocol	in	PortMappingProtocol	
NewInternalPort	out	InternalPort	
NewInternalClient	out	InternalClient	
NewEnabled	out	PortMappingEnabled	
NewPortMappingDescription	out	PortMappingDescription	
NewLeaseDuration	out	PortMappingLeaseDuration	

Table 10: Argument list of action GetSpecificPortMappingEntry

1.14 AddPortMapping

Argument name	Direction	Related state variable	Remarks
NewRemoteHost	in	RemoteHost	
NewExternalPort	in	ExternalPort	
NewProtocol	in	PortMappingProtocol	
NewInternalPort	in	InternalPort	
NewInternalClient	in	InternalClient	
NewEnabled	in	PortMappingEnabled	
NewPortMappingDescription	in	PortMappingDescription	
NewLeaseDuration	in	PortMappingLeaseDuration	

Table 11: Argument list of action AddPortMapping

1.15 DeletePortMapping

Argument name	Direction	Related state variable	Remarks
NewRemoteHost	in	RemoteHost	
NewExternalPort	in	ExternalPort	
NewProtocol	in	PortMappingProtocol	

Table 12: Argument list of action DeletePortMapping

1.16 GetExternalIPAddress

Argument name	Direction	Related state variable	Remarks
NewExternalIPAddress	out	ExternalIPAddress	

Table 13: Argument list of action GetExternalIPAddress

1.17 SetRouteProtocolRx

Argument name	Direction	Related state variable	Remarks
NewRouteProtocolRx	in	RouteProtocolRx	

Table 14: Argument list of action SetRouteProtocolRx

1.18 SetIdleDisconnectTime

Argument name	Direction	Related state variable	Remarks
NewIdleDisconnectTime	in	IdleDisconnectTime	

Table 15: Argument list of action SetIdleDisconnectTime

2 Service States Table

Variable Name	Allowed Values (* == default)	Type
ConnectionStatus	Unconfigured (*) Connecting Authenticating PendingDisconnect Disconnecting Disconnected Connected	String
ConnectionTrigger		String
ConnectionType	Unconfigured (*) IP_Routed IP_Bridged	String
DNSEnabled	1 (*)	Boolean
DNSOverrideAllowed	0 (*)	Boolean
DNSServers		String
Enable		Boolean
ExternalIPAddress		String
ExternalPort	[1, 65535]	ui2
IdleDisconnectTime		ui4
InternalClient		String
InternalPort	[1, 65535]	ui2
LastAuthErrorInfo		String
LastConnectionError	ERROR_NONE (*) ERROR_ISP_TIME_OUT ERROR_COMMAND_ABORTED ERROR_NOT_ENABLED_FOR_INTERNET ERROR_BAD_PHONE_NUMBER ERROR_USER_DISCONNECT ERROR_ISP_DISCONNECT ERROR_IDLE_DISCONNECT ERROR_FORCED_DISCONNECT ERROR_SERVER_OUT_OF_RESOURCES ERROR_RESTRICTED_LOGON_HOURS ERROR_ACCOUNT_DISABLED ERROR_ACCOUNT_EXPIRED ERROR_PASSWORD_EXPIRED ERROR_AUTHENTICATION_FAILURE ERROR_NO_DIALTONE ERROR_NO_CARRIER ERROR_NO_ANSWER ERROR_LINE_BUSY ERROR_UNSUPPORTED_BITSPERSECOND ERROR_TOO_MANY_LINE_ERRORS ERROR_IP_CONFIGURATION ERROR_UNKNOWN	String
MACAddress		String

Variable Name	Allowed Values (* == default)	Type
Name		String
NATEnabled	1 (*)	Boolean
PortMappingDescription		String
PortMappingEnabled		Boolean
PortMappingLeaseDuration		ui4
PortMappingNumberOfEntries		ui2
PortMappingProtocol	UDP, TCP	String
PossibleConnectionTypes	Unconfigured IP_Routed IP_Bridged	String
RemoteHost		String
RouteProtocolRx	Off (*)	String
RSIPAvailable	0 (*)	Boolean
TransportType		String
Uptime	0 (*)	ui4

Table 16: Variable list