

CPE Configuration for XMPP Connection Request

Overview

The [Connection Request](#) feature enables the ACS (Auto Configuration Server) platform to initiate communication with CPE devices to retrieve or modify parameter values and perform OAM (Operations, Administration, and Maintenance) operations.

Prerequisites

Before configuring XMPP Connection Request, ensure that an XMPP Connection instance has been created on the device at the following data model path:

```
InternetGatewayDevice.XMPP.Connection.1
```

Configuration Parameters

The following sections detail the required TR-069 parameters for XMPP Connection Request configuration in different environments.

Development/Testing Environment

Use these configuration values when connecting to the CONTROL development environment:

TR-069 Parameter	Value/Description	Type	Access
InternetGatewayDevice.XMPP.Connection.1.Enable	1	boolean	RW
InternetGatewayDevice.XMPP.Connection.1.Domain	control-xmpp-dev.zequenze.com	string	RW
InternetGatewayDevice.XMPP.Connection.1.Username	sample_username	string	RW

TR-069 Parameter	Value/Description	Type	Access
InternetGatewayDevice.XMPP.Connection.1.Password	sample_password	string	RW
InternetGatewayDevice.XMPP.Connection.1.Resource	ConnReq	string	RW
InternetGatewayDevice.XMPP.Connection.1.UseTLS	1	boolean	RW
InternetGatewayDevice.XMPP.Connection.1.TLSEstablished	1	boolean	RO
Device.ManagementServer.ConnReqJabberID	sample_username@control-xmpp-dev.zequenze.com/ConnReq	string	RO
Device.XMPP.Connection.1.ServerConnectAlgorithm	DNS-SRV	string	RW
Device.XMPP.Connection.1.KeepAliveInterval	300	integer	RW

Note: Replace `sample_username` and `sample_password` with your actual credentials.

Production Environment

Use these configuration values when connecting to the CONTROL production environment:

TR-069 Parameter	Value/Description	Type	Access
InternetGatewayDevice.XMPP.Connection.1.Enable	1	boolean	RW
InternetGatewayDevice.XMPP.Connection.1.Domain	control-xmpp.zequenze.com	string	RW
InternetGatewayDevice.XMPP.Connection.1.Username	sample_username	string	RW
InternetGatewayDevice.XMPP.Connection.1.Password	sample_password	string	RW
InternetGatewayDevice.XMPP.Connection.1.Resource	ConnReq	string	RW
InternetGatewayDevice.XMPP.Connection.1.UseTLS	1	boolean	RW
InternetGatewayDevice.XMPP.Connection.1.TLSEstablished	1	boolean	RO

TR-069 Parameter	Value/Description	Type	Access
Device.ManagementServer.ConnReqJabberID	sample_username@control-xmpp.zequenze.com/ConnReq	string	RO
Device.XMPP.Connection.1.ServerConnectAlgorithm	DNS-SRV	string	RW
Device.XMPP.Connection.1.KeepAliveInterval	300	integer	RW

Note: Replace `sample_username` and `sample_password` with your actual credentials.

Parameter Descriptions

- **Enable:** Activates the XMPP connection (set to `1` for enabled)
- **Domain:** The XMPP server domain for the respective environment
- **Username:** Authentication username for the XMPP connection
- **Password:** Authentication password for the XMPP connection
- **Resource:** XMPP resource identifier (typically `ConnReq` for Connection Request)
- **UseTLS:** Enables TLS encryption for the connection (set to `1` for enabled)
- **TLSEstablished:** Read-only status indicator showing whether TLS is successfully established
- **ConnReqJabberID:** Read-only Jabber ID used for connection requests
- **ServerConnectAlgorithm:** Connection method (DNS-SRV uses DNS service records)
- **KeepAliveInterval:** Time in seconds between keep-alive messages (default: 300)

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