CONNECTWISE

Network Device Functions in ConnectWise Automate

Overview

This page lists all network device-related functions that can be used in a ConnectWise Automate® script.

Check Connectivity

Pings the network device and saves the result in %=pingresult%=.

Parameters

- None

Examples

Example #1: Pings the IP address of a network device. The example assumes that you have a script where the Target is set to Network Device.

Parameters:

- None

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **Check Connectivity** from the **Function** drop-down.
3. Click **Save Step** to save this step and close the window.

Get SNMP OID

Gets a SNMP Object Identifier (OID) and saves result to variable.

Parameters

- **OID to retrieve:** Enter the numeric object identifier.
- **Variable to store result in:** Enter variable name without the @ sign.

Examples

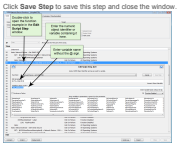
Example #1: Retrieve the severity setting for events logged in the SysLog of a Cisco router. This example assumes that you have a script where the **Target** is set to **Network Device** and you have set a variable named @LTSG_ObjectID@ with the parameter 1.3.6.1.4.1.9.9.41.1.1.3.0.

Parameters:

- **OID to retrieve:** @LTSG_ObjectID@.
- **Variable to store result in:** LTSG_SNMPResult

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **Get SNMP OID** from the **Function** drop-down.
3. Enter **@LTSG_ObjectID@** into the **OID** to retrieve field.
4. Enter **LTSG_SNMPResult** into the **Variable** to store result in field.
5. Click **Save Step** to save this step and close the window.



Set SNMP OID

Set a SNMP Object Identifier (OID) to a value.

Parameters

- **OID to set:** The numeric OID to set.
- **Data Type (Selection: String, Integer):** The data type.
- **Data:** The value to set the OID to.

Examples

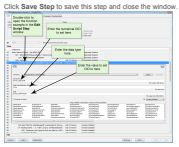
Example #1: Set the severity setting for events logged in the SysLog of a Cisco router. This example assumes that you have a script where the **Target** is set to **Network Device** and you have set a variable named @LTSG_ObjectID@ with the parameter 1.3.6.1.4.1.9.9.41.1.1.3.0. and one named @LTSG_SNMPValue@ with a parameter of 4.

Parameters:

- **OID to set:** @LTSG_ObjectID@
- **Data Type (Selection: String, Integer):** String
- **Data:** @LTSG_SNMPValue@

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **Set SNMP OID** from the **Function** drop-down.
3. Enter **@LTSG_ObjectID@** into the **OID** to set field.
4. Enter**String** into the **Data Type** (Selection: String, Integer) field.
5. Enter **@LTSG_SNMPValue@** into the **Data** field.
6. Click **Save Step** to save this step and close the window.



SSH Close

Terminates an existing SSH session. Returns the following replacement variables:

%=sshsuccess%= The state of the operation, 1 for success and 0 for failure.

%=sshresult%= The result of the operation defined by the SSH server.

Parameters

- **SSH Session ID:** The session ID of the open SSH connection to close.

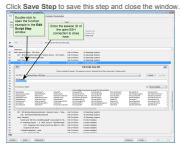
Examples

Parameters:

- **SSH Session ID:** %sshsessionid%

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **SSH Close** from the **Function** drop-down.
3. Enter **%sshsessionid%** into the **SSH Session ID** field.
4. Click **Save Step** to save this step and close the window.



SSH Open

Establishes a connection to the SSH server on a network device using the SSH protocol. Returns the following replacement variables:

- %=sshsessionid%= The Session ID.
- %=sshsuccess%= The state of the operation, 1 for success and 0 for failure.
- %=sshresult%= The result of the operation defined by the SSH server.

Parameters

- **Port:** The port to use for SSH communication (e.g., 22)

- **Timeout:** Length of the timeout period in minutes.
- **Username:** Username for accessing the device over SSH.
- **Password:** Password for accessing device over SSH.

Examples

Example #1: This example opens an SSH connection to a network device. This example assumes that you have a script where the Target is set to Network Device and you have set the following variables:

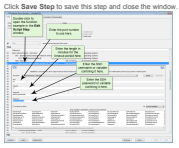
@SSHLogonName@ and @SSHPassword@ with proper SSH logon credentials for a network device.

Parameters:

- **Port:** 22
- **Timeout:** 15
- **Username:** @SSHLogonName@
- **Password:** @SSHPassword@

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **SSH Open** from the **Function** drop-down.
3. Enter **22** into the **Port** field.
4. Enter **15** into the **Timeout** field.
5. Enter **@SSHLogonName@** into the **Username** field.
6. Enter **@SSHPassword@** into the **Password** field.
7. Click **Save Step** to save this step and close the window.



SSH Send Raw

Sends unencrypted data to a network device that has an open Telnet connection. Returns the following replacement variables:

%=sshsuccess%= The state of the operation, 1 for success and 0 for failure.
%=sshresult%= The result of the operation defined by the SSH server.

Parameters

- **Telnet Session ID:** Session ID of the open SSH connection.
- **Text To Send:** Text to send to the device.

Examples

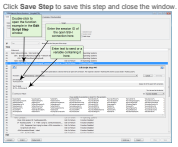
Example #1: This example sends raw data to a network device. This example assumes that you have a script where the **Target** is set to **Network Device** and you have set the following variable: @LTSG_TelnetMessage@ with a message.

Parameters:

- **Telnet Session ID:** %telnetsessionid%
- **Text To Send:** @LTSG_TelnetMessage@

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **SSH Send Raw** from the **Function** drop-down.
3. Enter **%telnetsessionid%** into the **SSH Session ID** field.
4. Enter **@LTSG_TelnetMessage@** into the **Text To Send** field.
5. Click **Save Step** to save this step and close the window.



SSH Send Secure

Sends encrypted data to a network device that has an open SSH connection. Returns the following replacement variables:

%=sshsuccess%= The state of the operation, 1 for success and 0 for failure.
%=sshresult%= The result of the operation defined by the SSH server.

Parameters

- **SSH Session ID:** Session ID of the open SSH connection.
- **Text To Send:** Text to send to the device.

Examples

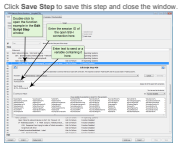
Example #1: This example sends encrypted data to a network device. The example assumes that you have a script where the **Target** is set to **Network Device** and you have set the following variable: @LTSG_SSHMessage@ with a message.

Parameters:

- **SSH Session ID:** %sshsessionid%
- **Text To Send:** @LTSG_SSHMessage@

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **SSH Send Secure** from the **Function** drop-down.
3. Enter **%sshsessionid%** into the **SSH Session ID** field.
4. Enter **@LTSG_SSHMessage@** into the **Text To Send** field.
5. Click **Save Step** to save this step and close the window.



Telnet Close

Terminates an existing Telnet session. Returns the following replacement variables:

%=telnetsuccess%= The state of the operation, 1 for success and 0 for failure.
%=telnetresult%= The result of the operation defined by the telnet server.

Parameters

- **Telnet Session ID:** The session ID of the open Telnet connection to close.

Examples

Example #1: This example terminates a Telnet connection to a network device. This example assumes that you have a script where the **Target** is set to **Network Device**.

Parameters:

- **Telnet Session ID:** %telnetsessionid%

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **Telnet Close** from the **Function** drop-down.
3. Enter **%telnetsessionid%** into the **Telnet Session ID** field.
4. Click **Save Step** to save this step and close the window.

Telnet Open

Establishes a connection to the telnet server on a network device using the Telnet protocol. Returns the following replacement variables:

%=telnetsessionid%= The Session ID.
%=telnetsuccess%= The state of the operation, 1 for success and 0 for failure.
%=telnetresult%= The result of the operation defined by the telnet server.

Parameters

- **Port:** The port to use for Telnet communication (e.g., 23)
- **Timeout:** Length of the timeout period in minutes.

Examples

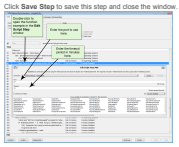
Example #1: This example opens a Telnet connection to a network device.This example assumes that you have a script where the **Target** is set to **Network Device**.

Parameters:

- **Port:** 23
- **Timeout:** 15

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **Telnet Open** from the **Function** drop-down.
3. Enter **23** into the **Port** field.
4. Enter **15** into the **Timeout** field.
5. Click **Save Step** to save this step and close the window.



Telnet Send Raw

Sends unencrypted data to a network device that has an open SSH connection. Returns the following replacement variables:

%=telnetsuccess%= The state of the operation, 1 for success and 0 for failure.
%=telnetresult%= The result of the operation defined by the SSH server.

Parameters

- **Telnet Session ID:** Session ID of the open SSH connection.
- **Text To Send:** Text to send to the device.

Examples

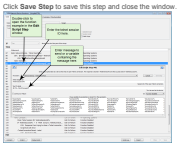
Example #1: This example sends raw data to a network device. This example assumes that you have a script where the **Target** is set to **Network Device** and you have set the following variable: @LTSG_TelnetMessage@ with a message.

Parameters:

- **Telnet Session ID:** %sshsessionid%
- **Text To Send:** @LTSG_SSHMessage@

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **Telnet Send Raw** from the **Function** drop-down.
3. Enter **%telnetsessionid%** into the **Telnet Session ID** field.
4. Enter **@LTSG_TelnetMessage@** into the **Text To Send** field.
5. Click **Save Step** to save this step and close the window.



Telnet Send Secure

Sends encrypted data to a network device that has an open Telnet connection. Returns the following replacement variables:

%=telnetsuccess%= The state of the operation, 1 for success and 0 for failure.
%=telnetresult%= The result of the operation defined by the SSH server.

Parameters

- **Telnet Session ID:** Session ID of the open SSH connection.
- **Text To Send:** Text to send to the device.

Examples

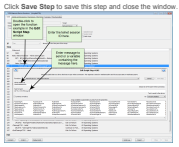
Example #1: This example sends encrypted data to a network device. This example assumes that you have a script where the **Target** is set to **Network Device** and assumes you have set the following variable: @LTSG_TelnetMessage@ with a message.

Parameters:

- **Telnet Session ID:** %telnetsessionid%
- **Text To Send:** @LTSG_TelnetMessage@

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **Telnet Send Secure** from the **Function** drop-down.
3. Enter **%telnetsessionid%** into the **Telnet Session ID** field.
4. Enter **@LTSG_TelnetMessage@** into the **Text To Send** field.
5. Click **Save Step** to save this step and close the window.



Ticket Create for Network Devices

Creates a new support ticket and saves the ticket ID to the %ticketid% variable. This function runs on the server.

Parameters

- **Client ID:** The Client ID to link ticket to.
- **Device ID:** The Device ID to link the ticket to.
- **Email:** The email address of ticket requestor.
- **Subject:** The subject of the ticket.
- **Body:** The message to include as the body.

Examples

Example #1: This example creates a new ticket for a network device. This example assumes that you have a script where the **Target** is set to **Network Device** and you have used the Set Variable function to create a variable named @networkdeviceid@ with the ID of a network device.

Parameters:

- **Client ID:** %clientid%
- **Device ID:** @networkdeviceid@
- **Email:** jsmith@xyzcomputers.com
- **Subject:** Sample Ticket

- **Body:** This is a sample ticket for training.

Using the Function Example in a New or Existing Script

1. From a new or existing script, right-click a line in the **Then** or **Else** section, select **Add** to open the **Edit Script Step** window.
2. Select **Ticket Create for Network Devices** from the **Function** drop-down.
3. Enter **%clientid%** into the **Client ID** field.
4. Enter **@networkdeviceid@** into the **Device ID** field.
5. Enter **jsmith@xyzcomputers.com** into the **Email** field.
6. Enter **Sample Ticket** into the **Subject** field.
7. Enter **This is a sample ticket for training** into the **Body** field.
8. Click **Save Step** to save this step and close the window.