

Overview

This page lists all network related functions that can be used in ConnectWise Automate® scripts.

Net DNS Lookup

Performs a DNS Lookup on the remote computer and saves the result to %dnsresult%. This function runs on the agent.

Parameters

- **Host Name:** The hostname or URL.

Examples

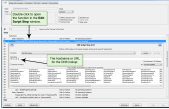
Example #1: Performs a DNS lookup of an internet server (e.g., Yahoo.com). This function example assumes that you have created an `!TSGO_URL@` variable with the hostname or URL, set as the **Parameter** in the Variable Set function.

Parameters:

- **Host Name:** `!TSGO_URL@`

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 **Net DNS Lookup** from the Function drop-down.
3. Enter `!TSGO_URL@` in the **Host Name** field.
4. Click **Save Step** to save this step and close the window.



Net Get IP Port

Connects to an Internet protocol port and reads characters into %portresult%. This function runs on the agent.

Parameters

- **Type:** Select the protocol to use from the drop-down. Available options are: TCP and UDP
- **Host name:** The hostname or IP address
- **Port:** Port number to connect to
- **Data:** Data to send after connecting, leave blank for none.
- **Receive Bytes:** Number of bytes to receive, enter 0 to listen test.

Examples

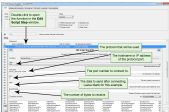
Example #1: Listen for response when connecting to the FTP port of the ConnectWise® Automate™ server. This function example assumes that you have created an `!TSGO_LabTechServerIP@` variable using the Variable Set function.

Parameters:

- **Type:** TCP
- **Host name:** `!TSGO_LabTechServerIP@`
- **Port:** 21
- **Data:**
- **Receive Bytes:** 0

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 **Net Get IP Port** from the Function drop-down.
3. Select **TCP** from the Type drop-down.
4. Enter `!TSGO_LabTechServerIP@` in the **Host Name** field.
5. Enter 21 in the **Port** field.
6. Leave the **Data** field blank for this example.
7. Enter 0 in the **Receive Bytes** field.
8. Click **Save Step** to save this step and close the window.



Net Get SNMP

Gets an SNMP-Object Identifier (OID) and saves it to %snmpresult%. This function runs on the agent. This function works with SNMP v1 and v2.

Parameters

- **Host Name:** The IP address or hostname
- **Community:** The community string to use
- **OID:** The numeric OID to get

Note: How the OID parameter is entered determines if the function should use SNMP v1 or SNMP v2. By default, if you enter only the OID number, the function uses v1. If you prefix the OID parameter with 'v' (e.g., `!TSGO_ObjectID@`).

Examples

Example #1: Retrieves the severity setting for events logged in the SysLog of a Cisco router. This function example assumes that you have created `!TSGO_NetworkDevice@` and `!TSGO_Community@` variables using the Variable Set function.

Parameters:

- **Host Name:** `!TSGO_NetworkDevice@`
- **Community:** `!TSGO_Community@`
- **OID:** `!TSGO_ObjectID@`

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 **Net Get SNMP** from the Function drop-down.
3. Enter `!TSGO_NetworkDevice@` in the **Host Name** field.
4. Enter `!TSGO_Community@` in the **Community** field.
5. Enter `!TSGO_ObjectID@` in the **OID** field.
6. Click **Save Step** to save this step and close the window.



Net IP Config

Returns the IPConfig information and saves it to %ipconfigresult%. This function runs on the agent.

Parameters

- None

Examples

Example #1: Retrieves the IP configuration data of the target computer

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 **Net IPConfig** from the Function drop-down.
3. Click **Save Step** to save this step and close the window.



Net Ping

Pings a hostname and saves the result in %pingresult%. This function runs on the agent.

Parameters

- **Host Name:** The hostname or IP address

Examples

Example #1: Pings the IP address of an internet server. This function example assumes that you have created a `!TSGO_URL@` variable with a value of www.labsoltech.com.

Parameters:

- **Hostname:**

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 **Net Ping** from the Function drop-down.
3. Enter `!TSGO_URL@` in the **Host Name** field.
4. Click **Save Step** to save this step and close the window.



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 **Net Renew IP** from the Function drop-down.
3. Click **Save Step** to save this step and close the window.



Net Wake on LAN

Sends Wake on LAN packet to a remote computer. This function runs on the agent.

Parameters

- **MAC:** The MAC address of the target computer. Use a colon (:) to separate values

Examples

Example #1: Sends a Wake on LAN packet to the computer with the machine address of `!TSGO_ComputerMAC@`. This function example assumes that you have created an `!TSGO_ComputerMAC@` variable using the Variable Set function.

Net Wake on LAN

Parameters:

- **MAC:** `!TSGO_ComputerMAC@`

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 **Net Wake on Lan** from the Function drop-down.
3. Enter `!TSGO_ComputerMAC@` in the **MAC** field.
4. Click **Save Step** to save this step and close the window.

