Notes

Ping_Verification.py

Introduction
This is a simple Ping verification script created in Python by Anthony Constant (AC). The purpose of this script is to automate the process of pinging a list of devices and return whether the network status is successful or unsuccessful.

How to Use
To use this script, you need to specify the target IP addresses in the ip_list. The script will then ping each IP address in the list and return whether the ping was successful or unsuccessful.

Requirements
This script requires Python 3 to be installed on your machine.

How It Works
The script uses the os module to execute the Ping command in the command prompt. It then captures the output of the command to determine whether the Ping was successful or not.

Credits
This script was created by Anthony Constant (AC). If you have any questions or suggestions, you can contact him at https://anthonyconstant.co.uk/

License
This script is released under the MIT License. See the LICENSE file for more details.

REPL.IT
Share Link: https://replit.com/@Ant94x/Simple-Ping-Verification?v=1

GitHub
Share Link: https://github.com/Anthony-Constant/Ping-Verification

PYTHON COPY & PASTED LOCAL SOURCE CODE

```
            # Ping_Verification.py
# Created a Simple Ping verification script in Python
# Author: Anthony Constant (AC)

################################## SOME NOTES ########################################

## Simple Ping automation script (specify the host using ip_list)

######################## HOW DOES IT WORK ############################################

## Ping a list of devices to return whether the network status is successful or unsuccessful.
## Specify the target IP address in the ip_list

############################## REFERENCES ############################################

## https://www.cisco.com/c/en/us/support/docs/ios-nx-os-software/ios-software-releases-121-mainline/12778-ping-traceroute.html

#########################################################################################
############################ START PROJECT HERE ##########################################
#########################################################################################
import os

ip_list = ["8.8.8.8", "192.168.1.1", "192.168.4.1"] ## plug in the list of IP addresses in which you want to check their status

for ip in ip_list: ## create a for loop to go through the list of IP addresses
    response = os.popen(f"ping {ip}").read() ## create a response variable and store the ping response in read format.
    if "Received = 4" in response: ## if this exact string is within the response, its up, otherwise down.
        print(f"{ip} Ping was Successful! ")
    else:
        print(f"{ip} Ping was Unsuccessful! ")
```