

## Automated SSH failure indication script

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GNU nano 4.8 ssh.py
from netmiko import ConnectHandler
from netmiko.ssh_exception import NetMikoAuthenticationException, NetMikoTimeoutException
from datetime import datetime
import logging
import time

logging.basicConfig(filename='test.log', level=logging.DEBUG)
logger = logging.getLogger("netmiko")

from all_dev_info import all_dev
for device in all_dev:
    try:
        # Establish SSH connection
        net_connect = ConnectHandler(**device)
        net_connect.enable()

        device_name = net_connect.find_prompt().replace('#', '')
        device_ip = device['ip']
        device_user = device['username']

        # Disconnect SSH session
        net_connect.disconnect()

    except (NetMikoTimeoutException):
        # Print error message if SSH connection fails
        print("*****")
        print(f" FAILED SSH CONNECTION TO {device['username']}-{device['ip']} at {datetime.now()} ")
        print("*****\n\n")
        continue

    except (AuthenticationException):
        # Print error message if SSH connection fails due to authentication failure
        print("*****")
        print(f" SSH AUTHENTICATION FAILURE FOR {device_name}-{device_ip} at {datetime.now()} ")
        print("*****\n\n")
        continue
```