Validate SSH connectivity using SSH-keys

Asked 4 years, 5 months ago Active 4 years, 5 months ago Viewed 94 times

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I have connected two servers using SSH key exchange. Now I am able to login into remote server without password.

Now , I want to validate if connection is really working without password .How can I do that ?

I tried following approach where SSH should timeout after 10 seconds, I will capture its Return code. but it never does. Once it timeout. It remain on the password prompt.

```
ssh -o ServerAliveInterval=10 -o ConnectTimeout=15 user@ip.ip.ip.ip exit

if [ "$?" -ne 0 ];then
  echo "SSH keys no more working,you need to initiate keys exchange again!!"
  exit 1;
fi
```

Case-I

However,when SSH keys are not working then and it never time-out and remain on password prompt. So cannot capture return code.

```
ssh -o ServerAliveInterval=10 -o ConnectTimeout=15 user@ip.ip.ip.ip exit
Enter Windows password:
```

case-II

When I provide IP address which is not pingable then this approch works.

```
ssh -o ServerAliveInterval=10 -o ConnectTimeout=15 user@ip1.ip1.ip1.ip1 exit
ssh: connect to host ip1.ip1.ip1.ip1 port 22: Connection timed out
```

Need help in determining if SSH connection is password-less working or not.

bash security ssh ip

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asked Jun 24 '16 at 5:28
P....
10.2k 1 15 36

I advise you to do `ssh -v`. That will give you some debug trace about what type of authentication ssh is using (especially if public key on your host are present). – oliv Jun 24 '16 at 5:53

@Cyrus, Same result..Command never exits. – P.... Jun 24 '16 at 6:03

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1 Answer

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You can disable password authentication using `PasswordAuthentication=no`. It will fail immediately, when the pubkey authentication fail.

```
ssh -o BatchMode=yes -o ConnectTimeout=15 user@ip.ip.ip.ip exit
```

Edit: Using `BatchMode` should certainly work.

share improve this answer follow edited Jun 24 '16 at 6:48 answered Jun 24 '16 at 5:57
Jakuje
19.8k 10 49 59

awesome , so combination of PasswordAuthentication and ConnectTimeout is needed!! – P.... Jun 24 '16 at 6:00

`ConnectionTimeout` is not needed, but it would be helpful, if the server is not reachable. – Jakuje Jun 24 '16 at 6:00

So lets try with `BatchMode`. It should do the job. You might have server configured to use `KbdInteractiveAuthentication` (setting that to `no` would help, but `BatchMode` will turn of both of them. – Jakuje Jun 24 '16 at 6:49

1 You are SSH champ :) – P.... Jun 24 '16 at 7:17

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