



Placement Empowerment Program
Cloud Computing and DevOps Centre

100 Days of DevOps Challenge

Day 07: Linux SSH Authentication

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Linux SSH Authentication

Objective :

The goal is to set up **passwordless SSH access** from the thor user on the jump_host to three application servers: stapp01, stapp02, and stapp03. Each connection must be made to a specific user on the respective server: tony for stapp01, steve for stapp02, and banner for stapp03.

Steps Performed :

- **Generate a Key Pair:** On the jump_host, run **ssh-keygen -t rsa** as the thor user. Press Enter to accept all defaults and leave the passphrase empty.
- **Copy the Public Key:** Use the **ssh-copy-id** command to copy your public key to each app server. This will require you to enter the password for each user (tony, steve, and banner) the first time.
 - **ssh-copy-id tony@stapp01**
 - **ssh-copy-id steve@stapp02**
 - **ssh-copy-id banner@stapp03**
- **Verify the Connection:** Test the passwordless access for each server to ensure it works.
 - **ssh tony@stapp01**
 - **ssh steve@stapp02**
 - **ssh banner@stapp03**

End

00:09

Terminal 1

Stop Lab

✓

You're done!

CONGRATULATIONS!!!!

You have successfully completed the challenge. Results have been saved. Ref ID: 68086c5f5500bdf7ab9a7b24

That might have been an easy task for you. But don't worry. Depending on the tasks you complete, you will get more difficult and advanced tasks assigned in the future.

You can also view your results in your dashboard under the "Active Practice" page.

```
/usr/bin/ssh-copy-id: WARNING: All keys were skipped because they already exist on the remote system.
(if you think this is a mistake, you may want to use -f option)

thor@jumpphost ~$ ssh steve@stapp02
Last login: Mon Aug 11 15:58:16 2025 from 172.16.238.10
[steve@stapp02 ~]$ exit
logout
Connection to stapp02 closed.
thor@jumpphost ~$ ssh banner@stapp03
[banner@stapp03 ~]$ exit
logout
Connection to stapp03 closed.
thor@jumpphost ~$ ssh tony@stapp01
Last login: Mon Aug 11 15:55:53 2025 from 172.16.238.2
[tony@stapp01 ~]$ exit
logout
Connection to stapp01 closed.
thor@jumpphost ~$ ssh steve@stapp02
Last login: Mon Aug 11 15:59:29 2025 from 172.16.238.2
[steve@stapp02 ~]$ exit
logout
Connection to stapp02 closed.
thor@jumpphost ~$ ssh banner@stapp03
Last login: Mon Aug 11 16:00:27 2025 from 172.16.238.2
[banner@stapp03 ~]$ exit
logout
Connection to stapp03 closed.
thor@jumpphost ~$
```

Feedback

✓

Congrats!

You have completed the task successfully.

100

100 Days of DevOps

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✓

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300

Share your success card