

**Placement Empowerment Program**

***Cloud Computing and DevOps Centre***

***100 Days of DevOps Challenge***

***Day 16****: Linux SSH Authentication*

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**Linux SSH Authentication**

**Objective :**

The goal is to setup **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 -trsa** 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**

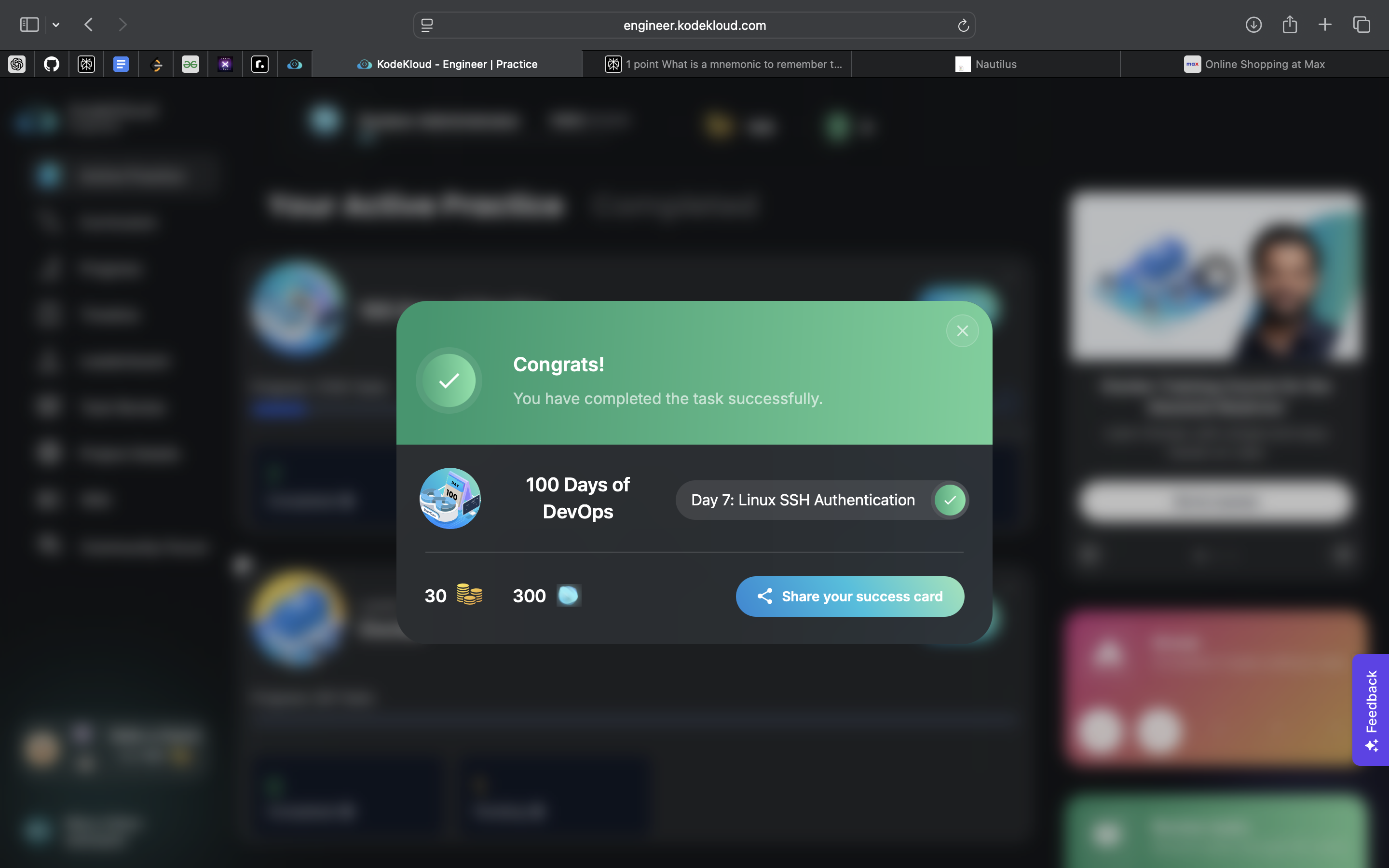
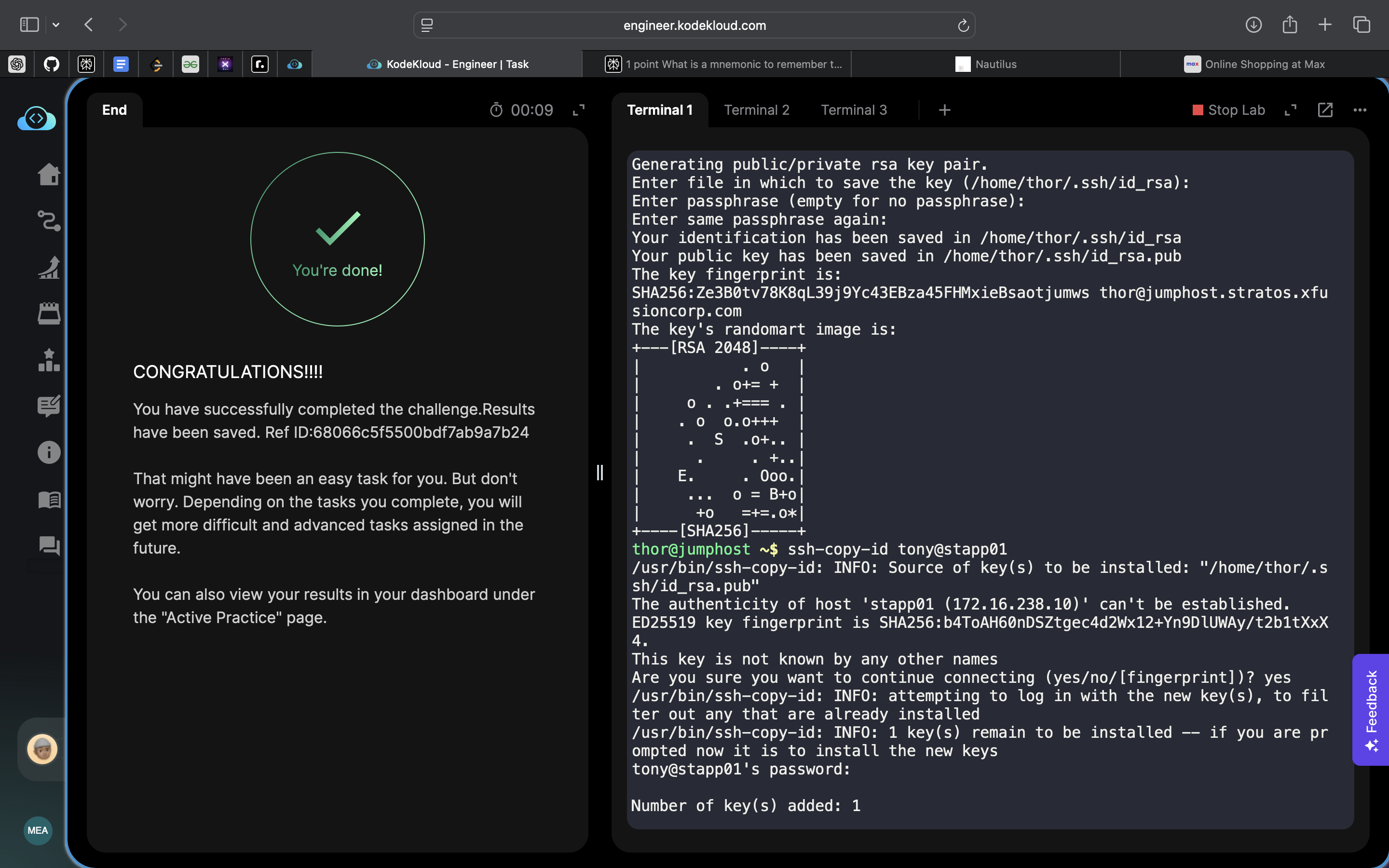
● **ssh-copy-id banner@stapp03**

 **Verify the Connection:** Test the passwordless access for each server to ensure it works.

● **ssh tony@stapp01**

● **ssh steve@stapp02**

● **ssh banner@stapp03**

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