Placement Empowerment Program

Cloud Computing and DevOps Centre

100 Days of DevOps Challenge

***Day 06**: Create a Cron Job*

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Script Execution Permissions

Objective :

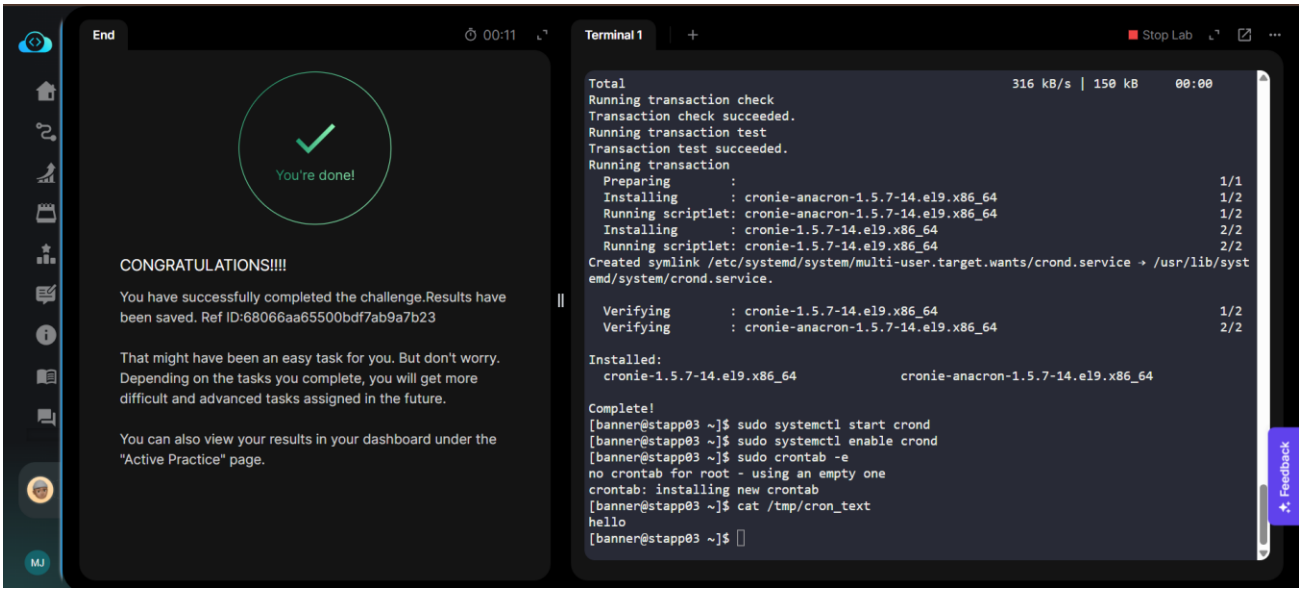
The goal is to install and configure cron on all Nautilus application servers (stapp01, stapp02, stapp03) and set up a recurring cron job for the root user to test the functionality.

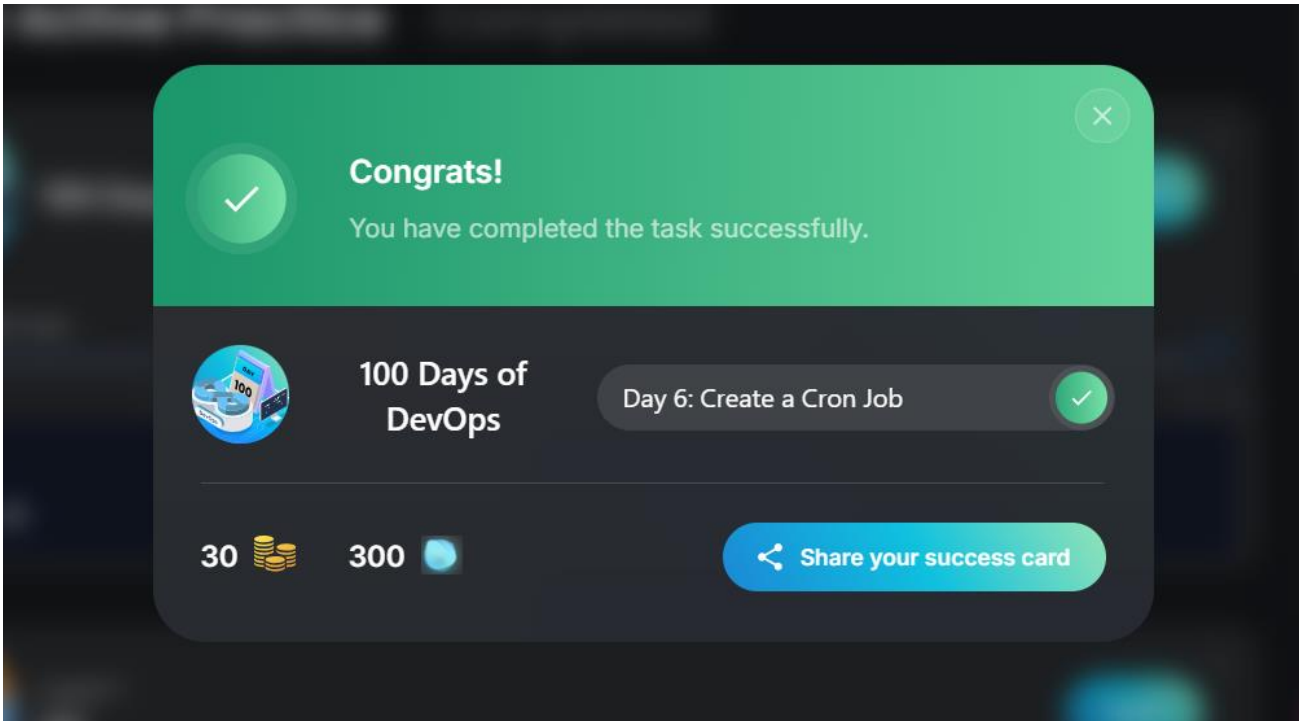
Steps Performed :

- **Access the Jump Host:**
  - Log in to the jump server using ssh thor@jump_host.

- **Configure Each App Server:**
  - Connect to each application server one by one (stapp01, stapp02, stapp03) using ssh and the provided credentials.
  - On each server, run the following commands with sudo:
    - Install the cronie package: yum install cronie -y
    - Start and enable the crond service: systemctl start crond systemctl enable crond
    - Add a cron job for the root user by running crontab -e and adding this line: */1 * * * * echo "hello" >> /tmp/cron_text
  - Exit the server to return to the jump host.

- **Verify:**
  - On any of the app servers, wait at least one minute and check the /tmp/cron_text file to confirm the cron job ran successfully.


End
00:11
You're done!
CONGRATULATIONS!!!!
You have successfully completed the challenge.Results have been saved. Ref ID:68066aa65500bdf7ab9a7b23
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.
Terminal 1
Stop Lab
Total 316 kB/s | 150 kB 00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing : 1/1
Installing : cronie-anacron-1.5.7-14.el9.x86_64 1/2
Running scriptlet: cronie-anacron-1.5.7-14.el9.x86_64 1/2
Installing : cronie-1.5.7-14.el9.x86_64 2/2
Running scriptlet: cronie-1.5.7-14.el9.x86_64 2/2
Created symlink /etc/systemd/system/multi-user.target.wants/crond.service → /usr/lib/systemd/system/crond.service.
Verifying : cronie-1.5.7-14.el9.x86_64 1/2
Verifying : cronie-anacron-1.5.7-14.el9.x86_64 2/2
Installed:
cronie-1.5.7-14.el9.x86_64 cronie-anacron-1.5.7-14.el9.x86_64
Complete!
[banner@stapp03 ~]$ sudo systemctl start crond
[banner@stapp03 ~]$ sudo systemctl enable crond
[banner@stapp03 ~]$ sudo crontab -e
no crontab for root - using an empty one
crontab: installing new crontab
[banner@stapp03 ~]$ cat /tmp/cron_text
hello
[banner@stapp03 ~]$
Feedback


Congrats!
You have completed the task successfully.
100 Days of DevOps
Day 6: Create a Cron Job
30
300
Share your success card