Placement Empowerment Program

Cloud Computing and DevOps Centre

60 Days of DevOps Challenge

Day 03 : Secure Root SSH Access

Name: Monisha J R   **Department:** CSE

Secure Root SSH Access

Objective :

To disable direct SSH login for the root user on all application servers (stapp01, stapp02, and stapp03) within the Stratos Datacenter.

Steps Performed :

☐ **Connect to an App Server:** Log in to one of the app servers (e.g., stapp01).

☐ **Edit the SSH config file**: Open the SSH server configuration file for editing.
- Command: sudo vi /etc/ssh/sshd_config
-

☐ **Disable root login:** Find the line that says #PermitRootLogin yes or PermitRootLogin yes. Change it to:
- PermitRootLogin no

☐ **Save and exit:** Save the file and close the editor.

☐ **Restart the SSH service:** Restart the SSH service to apply the new configuration.
- Command: sudo systemctl restart sshd

☐ **Repeat for all servers:** Perform steps 1-5 for the remaining app servers (stapp02 and stapp03).

```
#           $OpenBSD: sshd_config,v 1.104 2021/07/02 05:11:21 dtucker Exp $

# This is the sshd server system-wide configuration file.  See
# sshd_config(5) for more information.

# This sshd was compiled with PATH=/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin

# The strategy used for options in the default sshd_config shipped with
# OpenSSH is to specify options with their default value where
# possible, but leave them commented.  Uncommented options override the
# default value.

# To modify the system-wide sshd configuration, create a  *.conf  file under
#  /etc/ssh/sshd_config.d/  which will be automatically included below
Include /etc/ssh/sshd_config.d/*.conf

# If you want to change the port on a SELinux system, you have to tell
# SELinux about this change.
# semanage port -a -t ssh_port_t -p tcp #PORTNUMBER
#
#Port 22
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::

#HostKey /etc/ssh/ssh_host_rsa_key
#HostKey /etc/ssh/ssh_host_ecdsa_key
#HostKey /etc/ssh/ssh_host_ed25519_key
```


Congrats!
You have completed the task successfully.

100 Days of DevOps   Day 3: Secure Root SSH Access

20   200   Share your success card