

# PHẠM VĂN HOÀNG

Cloud Engineer

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## INTRODUCE

As a cloud engineer with passion for this job. Looking forward to working, dedicating and developing skills with Cloud Provider Improve skills on the components of Cloud, contribute to the company dominate the Public Cloud market. The vision is to provide PaaS service, moving forward to develop SaaS services on the portal for users.

## WORK EXPERIENCE

System Department - Viettel  
Telecom IT

02/2021 - 06/2022

### SYSTEM ENGINEER

- Main responsibilities:
- Sizing and deploying server infrastructure
  - Manage and coordinate information technology resources of Viettel Telecom
  - Manage the budget for renting and purchasing information technology resources
  - Deploy, management monitoring and operation Cloud OpenStack of Viettel IT.
  - Support users to use VM on cloud system and OS troubleshooting.

Cloud Operation Center - FPT  
Smart Cloud

06/2022 - Now

### CLOUD ENGINEER

- Main responsibilities:
- Install server, storage and network equipment in datacenter
  - Deployment, administration operation of cloud systems: VMware, OpenStack
  - Handling tickets related to the cloud system
  - Support to deploy systems and services for customers, manage service with SLA
  - Consulting solutions and guiding customers to use cloud services
  - System monitoring and troubleshooting 24/7
  - Researching and implementing new features and system automation
  - Training L1

## EDUCATION

Step 2016 - Jan 2021

POSTS AND TELECOMMUNICATIONS INSTITUTE OF  
TECHNOLOGY

Major:Electronics and communication technology

Degree classification: Good

## CERTIFICATIONS

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# SKILLS

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## Hardware:

Install server, storage and network equipment in datacenter. Maintenance and replacement of server modules

Console config IP management. Deploy OS, configuration information via iDrac and iLo, update bios, update firmware

Knowledge of server infrastructure: CPU, RAM, Disk, Mainboard, NIC, HBA, Riser, GPU, RACK, Power Consumption, connector, Switch, Firewall, Load Blancer

## Storage:

SAN, NAS, CEPH, vSAN

## Sizing

Sizing resource for service cluster (Web, Database, Redis, Elastic Sreach,..)

Sizing server device for cloud Infrastructure, Implementation plan, LLD

Ensure KPI about model deployment, workload, scalability according to the standards of VTNet

## Operating System

**Windows Server:** Installation, administration, error handling. Deyloy service: AD, Join domain, FTP server, IIS Web Server ,SLQ server cluster.

## Linux: Ubuntu, CentOS

Installation, administration, config network, trace logs to resolve error. Deploy service: Maria DB Cluster, Oracle RAC, NFS server, FTP server, DNS server,...

## Network Cloud

Knowledge of architecture of spine - leaf, routing in virtual network of VMware and OpenStack

Config Subnet, Floating IP, vRouter, NAT, Portfowarding, Security Group, VPN SiteTo Site, VPN Client To Site ( Cloud to Cloud, On Prem to Cloud)

## VMWare Cloud

-Deyloy Esxi, join network NSX-T, join V-Center

-Management and operation

+V-Center: Host and Cluster, VM and Template, Datastore, Networking, Content Libraries, Workload manegament, life

+V-Cloud Director Provider: Tenant, VPC, Cloud Cells, Edge Gateways, External Network, Tier-0 Gataways, Network Pool, VM Sizing Polices, Storage Polices.

+V-Cloud Director Organization: Deylop VM, Create Edge Gateway, Subnet, NAT, Security Group, Virtual Service, IPsec VPN, L2 VPN.

-Use VRops, Log Insight, Network Insight to analyze and evaluate the system and trace logs. Collect and evaluate service response quality (SLO, SLI)

-Use features:vMotion, vMotion Storage, VMware High Availability, VMware Fault Tolerance, VMware Data and Recovery. vSAN, Storage I/O control, VMware Distributed Resource Scheduler, Hot Add, Over Commit, Network I/O control.

-Maintenance feature, test update version on lab staggng.

## **OpenStack Cloud**

- Deploy Openstack compute (nova, neutron, keystone, cinder, horizon) use Ceph Storage
- Management, operation via Horizon: User, Project, Instance, Network, Identity, Image, Volumes, Flavor, Extend, Migrate,...
- Administration Controller Server, OSD controller Ceph
- Troubleshooting service on cloud system, join node compute.
- System maintenance and feature testing.

## **Monitoring**

Use Prometheus with linux server and Zabbix with linux server, windows server collect metrics graph on Grafana.  
Trigger alert via Telegram

## **Backup and Restore**

Backup and Restore with Veeam backup  
Use Veeam Dataprotect native above VMware  
Use Veeam Agent Lead to backup restore from On Prem and other Cloud Provider  
Test feature backup and restore monthly

## **Automation**

Use Ansible auto deploy and config OS  
Auto config parameters on iDrac and auto deploy Esxi

## **Solution consulting and customer support**

Consulting solutions according to customer's system requirements, recommend the use of necessary services  
Support: Create resources, deployment system, config OS, network, service  
Support customers via group chat. Timely feedback, problem solving with satisfaction guarantee, commitment to the right SLA  
Resolve ticket of internal user and customer.