Experience

Hanoi
December 2010 - October 2012

Linux System Administrator

Cốc Cốc Project

- Management system Coc Coc browser : QA environment (Virtualbox) and production (Debian)
- Experience working with VDC, RDS datacenter
- Set up virtualization environment for QA system and production of Coc Coc browser on over 300 VMs
- Setup code signing certificate and ssl for the system
- Physical server configuration: raid, OS setup, config service (nginx, mysql, email, …) set up remote settings for over 100 servers
- Management systems in the company like file server, network

Hanoi
October 2012 - June 2014

System Engineer

Vietnam General Department of Customs

- Deploying the one-stop clearance system VNACCS / VCIS
- Deploy HP server, Oracle DB, Firewall F5
- Backup tape
- Monitoring servers
- Design data center with operational processes and security

May 2017 - Present

AWS Cloud Engineer

Lixil Project - Provides information and services that enable you to use your purchased products (furniture) comfortably and safely for a long time - https://owners.lixil.co.jp/

- Management & Governance: AWS Organization to separate each environment: staging and production, Cloudwatch for monitor
- Security, Identity, & Compliance: IAM for grant access permission (2FA, user, policy, role)
- Networking & Content Delivery: VPC (ACL, Internet Gateway, Public/Private Subnet, Nat Gateway), CloudFront CDN for S3, Route53 for manage DNS
- Cloud Compute: EC2, AMI, Load Balancers, Auto Scale, Security Group, EBS (Snapshot, Resize volume …)
- Storage: S3 (Bucket policy, ACL, Lifecycle)
- Application Integration: SQS, SNS (topic for alarm and push notification)
- Database: Elasticache (shard, cluster, subnet group, multi AZ), RDS (Aurora MySQL - multi AZ, failover, parameter)

System Administrator / AWS Cloud Engineer

Legal Frontier 21 - Legal advice and search for law company/lawyers - https://legalus.jp/

- Management & Governance: AWS Organization for account management, AWS Cloudwatch for monitor
- Security, Identity, & Compliance: IAM for grant access permission (2FA, user, policy, role), Certificate Manager for SSL
- Networking & Content Delivery: VPC (Subnet, Route Table, Internet Gateway, Endpoint, Nat Gateway, ACL), CloudFront CDN for S3, Route53 for manage DNS
- Compute: EC2, AMI, Volume Snapshot, Lifecycle, Security Groups, EIP, keypairs, Load Balancers, Target Groups, Health check, Auto Scaling
- Database: RDS (Aurora Mysql, multi AZ, custom parameters), Elasticache (shard, cluster, subnet group, multi AZ)
- Storage: S3 (Versioning, Lifecycle, ACL, Bucket Policy, CORS configuration)

System Administrator / AWS Cloud Engineer

Disco - Career Site for Japanese-English Bilingual Job Seekers - https://careerforum.net/en/

- *Management & Governance: AWS Organization for account management, AWS Cloudwatch for monitor (custom metric, push log)*
- *Security, Identity, & Compliance: IAM (2FA, user, policy, role), Certificate Manager for SSL (personal certificate)*
- *Networking & Content Delivery: VPC (Subnet, Route Table, Internet Gateway, Endpoint, Nat Gateway, ACL), Route53 (manage DNS and failover)*
- *Compute: EC2, AMI, Volume Snapshot, Lifecycle, Security Groups, EIP, keypairs, Load Balancers, Target Groups, Health check, Auto Scaling, Lambda for alarm to chatwork*
- *Database: RDS for Aurora, multi AZ, custom parameters*
- *Application Integration: SNS for push notifications to mobile, create topics and api for subcriptions*
- *Storage: S3 and Cloudfront*
- *Monitor on zabbix*

System Administrator / AWS Cloud Engineer

Facy styler - A fashion service where you can find the best shop - https://facy.jp/

- *Management & Governance: AWS Organization for account management, AWS Cloudwatch for monitor*
- *Security, Identity, & Compliance: IAM (2FA, user, policy, role), Certificate Manager for SSL (Order SSL and import to ACM)*
- *Networking & Content Delivery: VPC (Subnet, Route Table, Internet Gateway, Endpoint, Nat Gateway, ACL), Route53 for manage DNS*
- *Compute: EC2, AMI, Volume Snapshot, Lifecycle, Security Groups, EIP, keypairs, Load Balancers, Target Groups, Health check, Auto Scaling, Lambda for alarm to slack*
- *Database: RDS for Mysql, multi AZ, custom parameters*
- *Application Integration: SNS for push notifications to mobile, create topics and api for subcriptions*
- *Storage: S3 (Bucket policy, ACL, Lifecycle)*

System Administrator / AWS Cloud Engineer

Access - Comics Digital Publishing - https://www.access-company.com/

- *Management & Governance: AWS Organization for account management, AWS Cloudwatch for monitor (custom metric, push log)*
- *Security, Identity, & Compliance: IAM (2FA, user, policy, role), Certificate Manager for SSL (personal certificate), Cognito for authenticate via facebook, google*
- *Networking & Content Delivery: VPC (Subnet, Route Table, Internet Gateway, Endpoint, Nat Gateway, ACL), Route53 (manage DNS and failover)*
- *Compute: EC2, AMI, Volume Snapshot, Lifecycle, Security Groups, EIP, keypairs, Load Balancers, Target Groups, Health check, Auto Scaling, Lambda for alarm to chatwork*
- *Database: RDS for Aurora, multi AZ, custom parameters*
- *Application Integration: SNS for push notifications to mobile, create topics and api for subcriptions*
- *Storage: S3 and Cloudfront*

Azure Cloud Engineer

Fun Japan Project - A website with full of information about fashion, technology and travel in Japan! - https://www.fun-japan.jp/

- *OS: Ubuntu + Windows Server*
- *Platform: .NET, PHP*
- *Network, Network Subnet Groups*
- *Compute: Virtual Machine, Virtual Machine Scale Set, Load Balancer*
- *Storage Account for file server and storage*
- *Database: Azure Database for MySQL, Azure Cache for Redis*
- *Monitor system with Azure Insights, Zabbix*
- *Fix bug and customize system, improve system speed*

AWS Cloud Engineer

Daitokima - A website about real estate for Japanese - https://www.dk-portal.jp/

- *Management & Governance: AWS Organization to separate each environment, Cloudwatch for monitor*
- *Networking & Content Delivery: VPC (ACL, Internet Gateway, Nat Gateway, Public/Private Subnet), Cloudfront CDN for S3, Route53 for manage DNS*
- *Compute: ECS, ECR, AWS Batch, AWS Fargate , Auto Scale, Load Balancer, Lambda S3*
- *Application Integration: SNS for alarm and push notification*
- *Database: Elasticache for redis, RDS for Aurora MySQL*
- *Write dockerfile*

AWS CI/CD

CI/CD Project - Using CI/CD tools for autodeploy

- *Language: Nodejs, php*
- *Developer Tools: CodeBuild (for build and unitest), CodeDeploy (for deploy to environment: staging and production), CodePipeline (for manage the sequence of processes)*
- *Storage: S3 (for source code)*
- *Compute: Lambda - push source code from Bitbucket / Gitlab / Github to S3*
- *Compute: Lambda - notification deployment status to Slack / Discord*
- *Management & Governance: Cloudwatch (for monitor status process)*
- *Networking & Content Delivery: VPC (Subnet, Route Table, Internet Gateway, Endpoint, Nat Gateway, ACL)*

Infrastructure as Code (IaC)

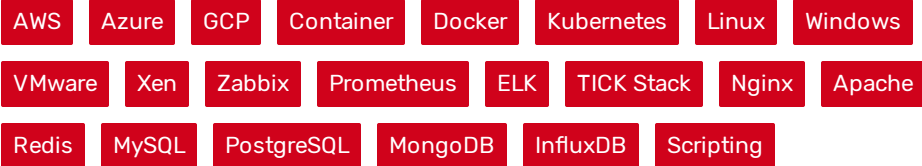**Use IaC for manage and create resources on Cloud**

- *Use ansible for install and manage package, software, configurations version of services*
- *Use CloudFormation for manage resources on AWS like (EC2, AutoScale, Load Balancer, Route53, VPC, RDS, Elasticache, API Gateway, DynamoDB ...)*
- *Use Terraform for manage the full resources's lifecycle. Reproducible production, staging, and development environments. Deploy with multiple providers like: AWS, GCP, Azure, VmWare*

Microservices

Kubernetes / Docker

- *Manage Kubernetes Cluster for high availability with Kubernete installers (kubeadm, kops, kubespray)*
- *Use DNS service discovery*
- *Manage Deployment for update or rollback pods*
- *Scale deployment based on healthcheck, number of connections*
- *Build storage on premise*
- *Serve app traffic from the Ingress instead of LoadBalancer service*
- *Using HELM for deploy services*
- *Logging with ELK Stack*
- *Monitor with Prometheus and Grafana*
- *Use RBAC and namespace for authorization*

Skills

AWS Azure GCP Container Docker Kubernetes Linux Windows

VMware Xen Zabbix Prometheus ELK TICK Stack Nginx Apache

Redis MySQL PostgreSQL MongoDB InfluxDB Scripting

Languages

English
Advanced

Vietnamese
Native

Certifications & Courses

LPI 1
Linux Professional Institute (LPI) is the global certification standard and career support organization for open source professionals.

LPI 2
Linux Professional Institute (LPI) is the global certification standard and career support organization for open source professionals.

Solution Architect Associate
Perform a solutions architect role and have one or more years of hands-on experience designing available, cost-efficient, fault-tolerant, and scalable distributed systems on AWS.