TMA Cloud Competencies

16 Years of experience

Cloud development services for leading enterprises

Experience DevOps Center

DevOps frameworks and solutions

300 Certified Cloud Engineers

AWS, Azure, GCP, Salesforce certificates

TMA Cloud Backend

Proven architecture, fast track development time, minimize cost



Application development on cloud

Build and maintain a custom application by using cloud delivery platforms such as AWS, MS Azure, Google Cloud, IBM Watson, Salesforce, etc.

Porting application to cloud

Port current applications to cloud architecture

SaaS implementation

Implement a SaaS solution or transition a current application to a SaaS model

Cloud application testing

Solutions to test cloud-based applications

Cloud administration

Setup, configure, monitor and manage cloud infrastructure

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Skill Matrix

AWS Services

EC2, ELB, Auto scaling, Elastic beanstalk, ECR, ECS, S3, RDS, AWS Lambda, AWS SQS/SNS, AWS Face recognizer, AWS Face comparison, Route 53

Azure Services

Kubernetes, Container, App service, Function App, Blob Storage, Azure AD, Azure DevOps, SQL, Logic App, Monitor

Google Cloud

App engine, Container engine, Compute engine, Cloud storage, Identify/Security, IoT

OpenStack Services

Keystone, Glance, Neutron, Nova, Cinder, Swift, Horizon

IBM Cloud

Infomix, Dr Watson

Cloud Administrator

Terraform, Ansible, Chef, Puppet

Technologies



AWS Cloud Platform Competency

Compute
- AWS EC2
- AWS AMI
- Auto scaling

Storage
- AWS S3
- AWS EBS

Database
- AWS RDS
- AWS Elastic Cache

Networking
- Route S3
- Elastic load balancing
- VPC
- Cloudfront

Deployment & Management
- Elastic beanstalk
- IAM
- Cloudformation
- Cloudwatch

Application services
- AWS SNS
- AWS SES
- AWS SQS

Azure Cloud Platform Competency

Compute
- Azure container
- HDinsight

Storage
- Blod storage
- Table
- Caching
- Queues

Database
- Azure SQL
- Azure Key Vault

Networking
- Azure CDN
- Traffic Manager
- Azure Active Directory

Deployment & Management
- AKS - Azure Kubernetes Service
- ACR - Azure Container Registry

Application services
- Web Role
- Worker Role

GCP Cloud Platform Competency

Compute
- App Engine
- Compute Engine
- Kubernete Engine
- Cloud Function

Storage
- Cloud storage
- Drive enterprise

Database
- Cloud datastore
- Cloud SQL for Mysql
- Cloud SQL for Postgre

Developer tools
- Cloud SDK
- Cloud source repositories
- Cloud Tasks
- Stackdriver

Management tools
- Monitoring
- Logging
- Error reporting
- Cloud console
- Cloud APIs

Others
- Google Cloud Search
- Cloud Endpoints
- S Suite
- Chrome Enterprise

DevOps Competency

Implement and Manage CI/CD, Infrastructure as Code and Configuration Management

Cloud Infrastructure Management Virtualization, Containerization, Application Performance

Consulting how to identify the Issue and Advise on IT / DevOps Solutions

Build and operate cloud system

DevOps Technologies

PROGRAMMING

python, BASH, Perl, Ruby, Java, C/C++

OS

redhat, ubuntu, ORACLE LINUX, Windows, macOS

NETWORKING

CISCO, JUNIPER NETWORKS, ARISTA

INFRASTRUCTURE AS CODE

ANSIBLE, puppet, CHEF, Terraform, CloudFormation

CICD

Jenkins, TeamCity, Travis CI, Gitlab, circleci

CONTAINER MANAGEMENT

docker, kubernetes, OPENSHIFT, AWS ECS, Azure Container Service

MONITORING

Nagios, DATADOG, ICINGA, ZABBIX, PRTG NETWORK MONITOR

CLOUD INFRASTRUCTURE

amazon web services, Microsoft Azure, IBM Cloud, Google Cloud, HEROKU

LOG MANAGEMENT

splunk>, elastic, graylog, solarwinds papertrail

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DevOps Case Study

Provide application support on AWS/ Azure Cloud and DevOps Services

Services

- Designed a new application architecture on AWS providing HA, scalability, performance, security and cost-effectiveness.
- Setup and managed Develop and Quality Assurance environments.
- Implemented CI/CD for rapid deployment and built infrastructure as code. Maintained production environment, performed monitoring, backup and restore plan. Analyzed and optimize monthly AWS usage cost

Tools

- AWS/ Azure services: lambda, App service/ RDS, Function, App, Logic App, SQL...
- CI/CD, orchestration: Jenkins, Ansible
- Scripting: Shell, Python, Ruby, Groovy
- Application platforms: Apache, Passenger, Ruby on Rails, AngularJS, MySQL

Skill Set

- DevOps and automation, AWS/ Azure, Linux and networking

AWS Cloud Migration Case Study

On-Premises to AWS Cloud Migration and Application Support

Services

- Migrated on-premises infrastructure to AWS. Managed an AWS-hosted environment with 130 EC2 to serve 150,000 active subscribers in many territories AU, SG, UK, MY etc.
- Worked in DevOps model to provision environment, troubleshoot and deploy new releases. Liaise with telecom carriers and content vendors to resolve connection issues with payment system.

Tools

- AWS services: EC2, IAM, VPC, ELB, S3, RDS, ECS, CloudFront, CloudTrail, CloudWatch, Config, etc.
- Applications: Apache, Nginx, HAProxy, Shell, PHP, Perl, MySQL, PostgreSQL, etc.
- Others: JIRA, BitBucket, Confluence, Chef, Ansible as Configuration Management

Skill Set

- Linux, AWS, Chef, Networking, DevOps and Automation

Azure Migration Case Study

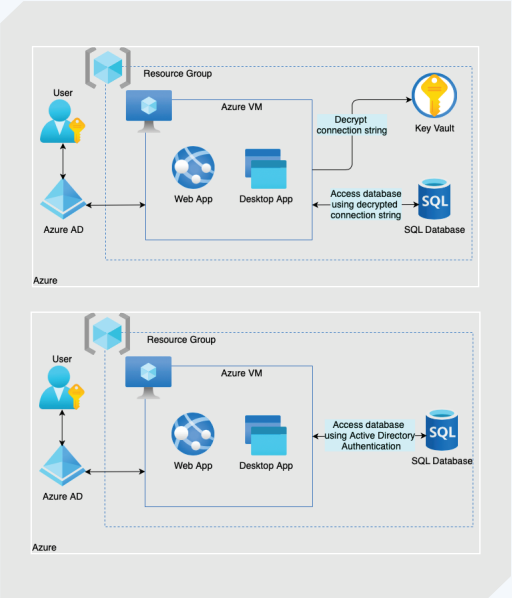
Migrated on-premise server to Azure cloud

Work

- Set up Azure tenant for different user groups: official employee and unofficial employee, and for different environments: dev, staging and production
- Migrate on-premise server with applications to Azure VM
- Migrate SQL database to use Azure SQL database service
- Secure SQL connection from applications to Azure SQL database by different ways: storing SQL connection string in Azure KeyVault and using Active Directory authentication

Tools

- Azure services: Azure VM, Azure SQL database, Azure Key Vault, Azure Active Directory



Azure Case Study

Provided Azure Cloud Management and DevOps Services

Services

- Implemented and maintained Azure DevOps pipelines
- Setup and managed Dev and QA environments
- Built Release Management
- Supported end-users for daily common tasks

Tools

- Azure: Web App Services, Azure DevOps (Boards, Repos, Pipelines, Artifacts, Test Plans)
- CI/CD: Azure Pipelines, Ansible
- Scripting: Python
- Application platforms: .NET, HTML, CSS, JavaScript, NodeJS, Bootstrap, IIS, MS SQL, MySQL

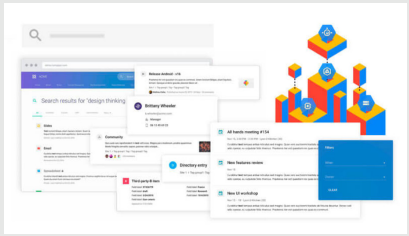
Skill Set

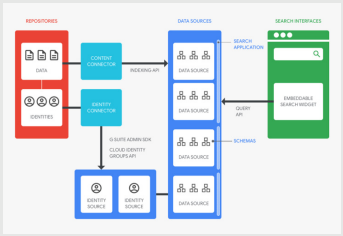
- Azure Cloud, Pipelines, Windows Server, Scripting and Networking

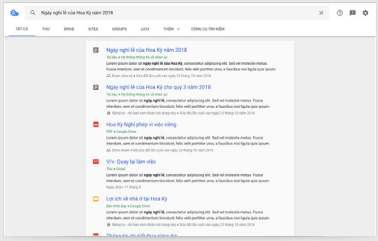
GCP Case Study

Use the power of Google to search across your company's content from Gmail and Drive to Docs, Sheets, Slides, Calendar, and more. Users can search across third-party repositories, such as databases or file systems, with Google Cloud Search.

- Provide search engine across multiple repositories (Gmails, calendar, databases, etc)
- Provide search abstract UI components







Cloud Administration Case Study

System Description: A mobile payment platform worldwide using cloud-based infrastructure.

TMA Services:

- **On-premises and AWS hosted infrastructure:** manage servers, applications, storage, virtualization, network, and security for more than 100 AWS instances and over 100,000 active subscribers.
- **Cloud-based infrastructure:** Technical support, manage, monitor, and maintain 24x7.
- **Payment platform:** Maintain the high availability of the Payments platform. TMA enables customers to grow their business and capabilities with optimized operating costs.



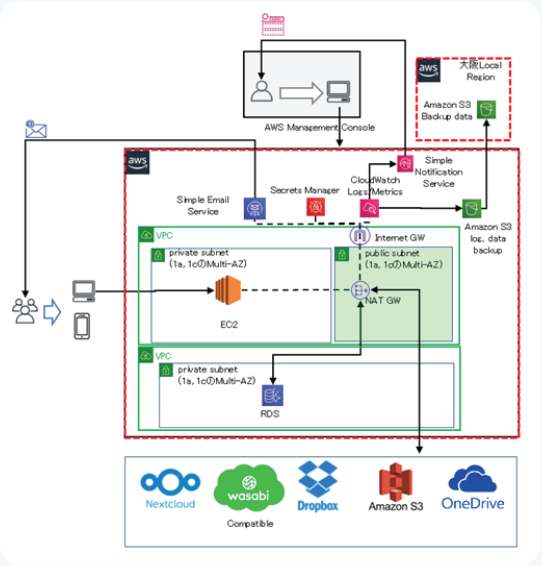
NextCloud Case Study

Files And Versions Management System

Offer seamless integration with Nextcloud, allowing users to easily remove, upload, modify, view, and download files and folders. Additionally, our user-friendly Nextcloud integration provides version control management, file and folder management with version and tag tracking, tree view visualization, and cross-platform compatibility for PC and mobile browsers.

Technologies:

- Frontend: HTML, CSS, JavaScript
- Backend: Python, Django
- DevOps: Docker, Kubernetes
- AWS: EC2, RDS, VPC, S3
- Database: PostgreSQL
- Storage services: Nextcloud, Amazon S3, Dropbox, OneDrive

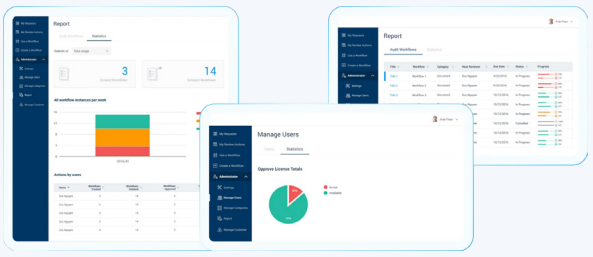


Google Cloud Case Study

TMA Scope:

Create an application to automate processes across all departments in the company, including HR, Finance, and IT. This solved customer's existing problem that is taking too long to complete requests using manual processes.

- Automate all the operation steps.
- G Suite users easily create a workflow for a piece of work from start to finish.
- Design workflows to define approvers for each approval stage and send notifications when approving or denying requests.



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