

# ACMEQuickInfra

Create Cloud Infrastructure in minute



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## About ACME Cloud Quick Infra

- “ACMEQuickInfra” is a No-Code/Low-Code SaaS solution that smartly Automates all the Migration phases to Public Cloud
- Create, Migrate, Customize, Manage, Monitor & Optimize Cloud Infrastructure on Multiple Cloud
- Platform across Multiple Accounts & Regions
- Optimize Cloud Resource Utilization
- Automate DevOps Process
- Reduce Technical debt by upgrading to latest Middleware and OS
- Designed & Build by industry Tech veterans for Tech Developers Community

# Problem Statements



## **Problem 1 : Implementation Time**

Cloud Projects take a lot of  
“Time” to Execute



## **Problem 2 : Cost of Implementation**

"Cost" of Implementing Cloud  
Projects is “Very High”



## **Problem 3 : Skill Gap**

Limited Technical Skills &  
Productivity of Resources

# Solution



## **Time to Implement :**

Simple, Web based, No-Code/Low-Code SaaS Solution, with Ready-to-use, Customizable Infrastructure Template Library, helps reduce the Implementation Time significantly



## **Cost of Implementation :**


Automation of various Infrastructure and Migration activities, reduces the Development Time and Testing/Re-Testing cycles, resulting in Lower Implementation Cost



## **Skill Gap:**

- Bridge the Skill Gap and Improve Developer's Productivity through Customizable UI based Landing Zone, Infrastructure, Migration and Management templates
- Auto Generate Terraform and Ansible Infrastructure as Code (IaC) scripts
- Focus more on Business/Project Outcomes and let "QuickInfra" do the Technical heavy-lifting
- Add/Enhance "Cloud" edge of your Existing Technical Team

## ◆ Why QuickInfra

- Simplify Cloud Adoption
  - Execute PoC and Pilot Projects in “Minutes”
  - Reduce Time and Cost of Implementation
  - Agile and Iterative Implementation
  - Reduce Testing/Re-Testing Cycles
  - Bridge the Skill Gap and Enhance Developer's Productivity
  - Cloud Enable Existing IT Team
  - Faster Return-On-Investment
- 

## ◆ QuickInfra Modules

### **Customized Landing Zone Creation**

Create, Customize and Extend Landing Zones based on "Build on Control Tower" (BoCT) concept and AWS Recommended Best Practices

### **Infrastructure Creation**

QuickStart Infrastructure Creation on Cloud, using our Customizable Template Library Screens

### **Application & Data Migration**

Migrate Applications and Data using our Ready-to-use Migration Template Screens

### **Infrastructure Management**

Manage Networks, Instances, Backups, Custom Policies and Install Scripts

# AWS Landing Zone

- Customizations for Entire Organization
- Manage Organizational Units
- Manage Accounts
- Managing Network firewall
- Monitoring EAST –WEST / NORTH –SOUTH Traffic
- Network Traffic filtering & Intrusion detection
- Managing Network Hub / Spoke model
- Managing Cloud to Onprem networking & Vice versa
- Implementing / Managing best and secure Cloud VPN
- Implementing secure remote server access
- DNS Firewall management



# Steps for Managing Landing Zone

## Control Tower Landing Zone

- Create a Basic Landing Zone using AWS Control Tower
- Import it into "QuickInfra" for further Customizations

## Global Customizations

- Add Global/Organizational Level Customizations
- Enable/Disable Guardrails, Security and Governance features e.g. Security Hub, GuardDuty, Password Policy, IAM Activity Monitoring, Config Rules, Service Control Policies, etc.

## Organizational Unit Customizations

- Create/Manage Organizational Units (OU), Add AWS Recommended OUs
- Enable/Disable Guardrails for entire OU and Nested Accounts e.g. Config Rules, Service Control Policies, etc.

## Account Level Customizations

- Create/Manage Account Level Customizations e.g. Enable/Disable Guardrails for the Account
- Create New Accounts (Single or Batch using CSV File Upload)
- Import Existing Accounts into the Landing Zone or Detach Accounts from the Landing Zone

## ◆ Landing Zone Use Cases

- Create New Landing Zone (BoCT) based on AWS Well-Architected Framework
- Extend and Customize Existing Landing Zone based on AWS Recommended Guidelines
- Import Existing Accounts into Landing Zone
- Create Multiple Accounts in Batch (File Upload)
- Move Accounts between Organizational Units
- Add Enhanced Security and Governance features e.g., Security Hub, GuardDuty, etc.
- Add Fine-Grained Prevention and Detection Guardrails at Organization or Account Level
- Manage Landing Zone : Add/Update/Remove Guardrails & Security Features On-Demand

# Steps for Creating and Managing Infrastructure

## Select Infrastructure Template

- Select an Infrastructure Template Screen from the Template Library for the target Cloud Platform e.g. "Single AZ 3-Tier Infrastructure for AWS", etc.

## Customize the Template

- Select Infrastructure Customizations and Cloud Services e.g. Network, Subnets, Security Groups, Instances, Internet Gateway, NAT Gateway, etc.
- Select the number of EC2 Instances/Virtual Machines to be created
- Select OS, Middleware, Monitoring Dashboard and Install Scripts to be applied

## Generate Terraform

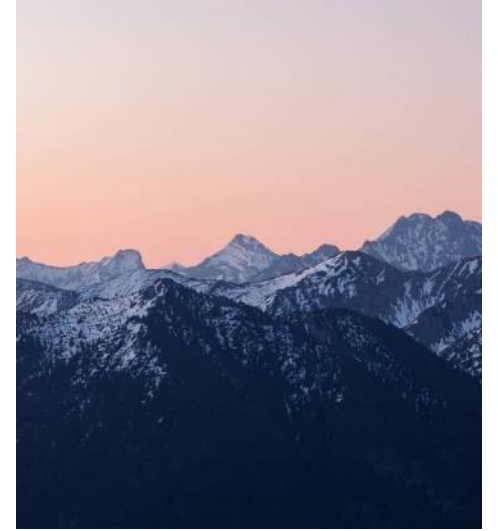
- Select Cloud Account/Subscription in which the Infrastructure is to be created
- Generate Terraform dynamically based on the customizations selected

## Create Infrastructure

- View Terraform Plan and verify the cloud resources being created
- Check "Pricing" of the Infrastructure being created
- Execute the Terraform script to create the Infrastructure

# Summary

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# Thank you

