Technology

AWS (Amazon Web Services) is a secure cloud services platform, offering compute power, networking and storage, database services, content delivery and other functionality delivered as a utility: on-demand, available in seconds, with pay-as-you-go pricing.

Terraform is an open source tool designed to provision and manage infrastructure resources. Terraform uses a declarative, dependency-aware DSL to build, change and version control the infrastructure resources in a stateful and idempotent way. It supports a wide number of infrastructure services including AWS, Azure, Google Cloud Platform, Vmware vSphere, Kubernetes and many others.

Challenge

Our customer needed to create repeatable PoC (Proof of Concept) infrastructure in AWS for their go-to-market pre sales and post sales engagements. This PoC infrastructure needed to be customizable to meet customer testing requirements, as well as publicly available for customer access. The POC infrastructure in AWS also needed to be accessible to internal corporate network resources.

Solution

Metsi proposed an AWS VPC with customizable infrastructure resources (servers, subnets and routes, VPN to the internal network, security groups) using Terraform. A custom Terraform module was built that accepts variables to customize the infrastructure used for the PoC: number of networks, servers, connection to internal network, etc. Additionally, resources were configured using Ansible, a configuration management tool, and Guacamole was used to grant user access via a web desktop environment

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Achieve Digital Maturity with Metsi's Full Stack Engineering

Summary

Metsi offers DevOps engineering services that enable customers to build a powerful foundation for rapid infrastructure deployment in hybrid multicloud environments. DevOps tools such as Terraform, Puppet or Ansible enable production teams to build and manage infrastructure with unprecedented agility. Metsi DevOps engineers build infrastructure automation projects standarizing repetitive production operations to reduce human error, save time and cost, and increase speed of delivery.

Metsi Technologies

Metsi is a global Full Stack Engineering Systems Integrator, Cisco Integrator Partner, and Cisco Business Learning Partner. We have business offices in the US, UK, and Germany and distributed engineering resources throughout North America, Europe, and Africa.

Metsi specializes in complex systems automation & orchestration, built on a multicloud or hybrid cloud fabric, and empowered by a Software Defined Data Center. Our software engineers are experts in self-service platforms (Prime Service Catalogue, CloudCenter), real-time business performance and optimization (AppDynamics, Tetration, Turbonomic); and automated control of network infrastructure (ACI). We integrate the entire IT stack, including RedHat, Microsoft, VMware, Kubernetes, AWS, Azure, and Google Cloud Platform. At the top of the stack, we offer 20+ years of Business Performance Management, including business intelligence, software intelligence, and Cloud APM.
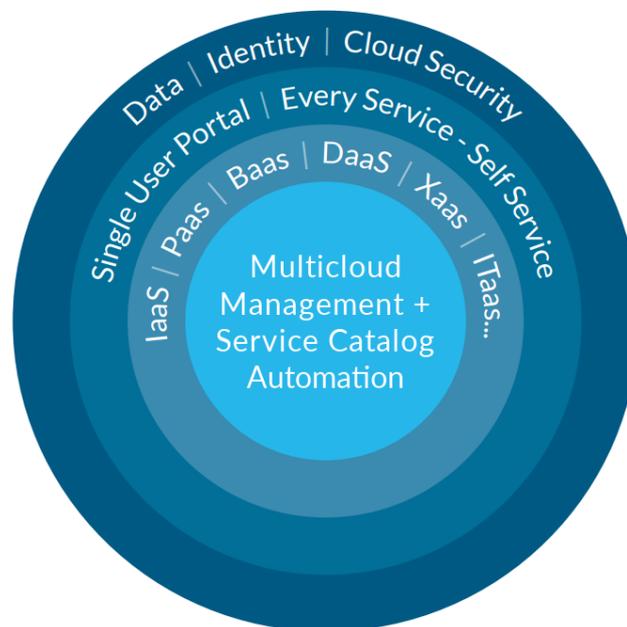
Metsi Technologies Continuous Digital Innovation

METSI