Deploying Modern Workloads on Azure Workshop

Business challenge

Creating consistent, repeatable and automated deployments for cloud environments is challenging. To keep up with the pace of business, however, it can be critical to be able to deploy environments on demand. Getting the most out of technologies like GitHub®, Terraform® and Azure® requires a broad range of expertise and the skills to deal with technical hurdles that inevitably arise. Often, the hardest part of this journey is getting started.

Our solution

Insight's Digital Innovation team has deep expertise with GitHub, Terraform and Azure. Take advantage of this expertise as we guide you through the structure of an Azure landing zone, and show you how to write Infrastructure as Code (IaC) in Terraform, manage code in GitHub and execute deployment pipelines using GitHub Actions.

This workshop provides hands-on experience with GitHub, Terraform and Azure, applying industry best practices and addressing questions and roadblocks along the way.

Preparing for the workshop

To ensure you receive the greatest value from this engagement, please adhere to these prerequisites:

- Basic understanding of Azure, Terraform and GitHub
- An Azure environment to host deployments
- A free GitHub account
- The latest versions of Git, Terraform, the Azure CLI and Visual Studio Code installed

Duration
One-day session

Benefits
- **Ramp up quickly** on leading industry tools in a low-risk environment.
- **Gain hands-on experience** employing best practices for Azure, Terraform and GitHub.
- **Deploy** cloud infrastructure to Azure reliably and repeatably using Terraform.
- **Manage code and create pipelines** in GitHub using repos and GitHub Actions.
- **Enable developers and teams to work quickly** with validated and approved infrastructure libraries.

Related workshops
HashiCorp Terraform Enablement Accelerator

HashiCorp Tools Health Check Assessment

HashiCorp Terraform Enablement Workshops

DevOps Fast Start: Best Practices for Deploying Modern Workloads

Microsoft Azure

HashiCorp   GitHub

Schedule an workshop
To learn about pricing and how to get started, contact **alliances@insight.com**.

What to expect

Azure activities	Terraform activities	GitHub activities
• Azure® overview • Tenants, subscriptions, management groups, resource groups • Policies & initiatives • Core resources, networking, IaaS • Azure platform services • Key management services • ARM templates	• Terraform® CLI/workflow review • Managing Azure resources with Terraform • Azure RM Provider & Service Principals • Terraform State & Azure Resource Lifecycle • Terraform backends • Terraform Cloud/Terraform Enterprise overview & path to adoption	• Introduction to GitHub® • Pulling & pushing code • Reviewing pull requests • Managing merge conflicts • DevOps pipelines with GitHub Actions • Branching strategies • Workshop code walkthrough
Lab: Review the landing zone	Lab: Execute Terraform code to deploy Azure landing zone	Lab: Execute Terraform from GitHub Actions

About Insight

At Insight, we define, architect, implement and manage Insight Intelligent Technology Solutions™ that help your organization run smarter. We'll work with you to maximize your technology investments, empower your workforce to work smarter, optimize your business and create meaningful experiences.

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