

# Deploying Modern Workloads on Azure Fast Start

Learn best practices and start implementing with expert guidance.

## Business challenge

Creating consistent, repeatable and automated deployments for cloud environments is challenging. To keep up with the pace of business, however, it's critical 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 Fast Start solution

Insight's team has deep expertise with GitHub, Terraform and Azure. Take advantage of our DevOps and automation expertise as we guide you through the end-to-end process of designing an Azure landing zone, writing Infrastructure as code (IaC) in Terraform, managing code in GitHub and executing deployment pipelines using GitHub Actions. In addition, we'll assess your current environment, identify your biggest pain points and outline a strategy to achieve your goals.

This Fast Start gives you focused, hands-on experience with GitHub, Terraform and Azure, applying industry best practices and addressing questions and roadblocks along the way.

## Preparing for the Fast Start

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

- Provide the following information to Insight in advance:
  - Details of your applications and technology stack
  - Details of your current processes for development, hosting, deployment, operations and management
- An Azure environment to host deployments (one per team, or one per attendee — your choice)
- A GitHub organization with all attendees configured as users
- The latest versions of git, Terraform, the Azure CLI, and Visual Studio Code installed by each attendee

### Duration

4-week engagement

### Benefits

- **Create, update and deploy** cloud infrastructure in Azure reliably and repeatably.
- **Gain hands-on experience** employing best practices for Azure, Terraform and GitHub.
- **Ramp up quickly** on leading industry tools in a low-risk environment.
- **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 offers

HashiCorp® Terraform Enablement Accelerator

HashiCorp Tools Health Check Assessment

HashiCorp Terraform Enablement Workshops

### Schedule a Fast Start.

To learn about pricing and how to get started, contact [alliances@insight.com](mailto:alliances@insight.com).

## What to expect

### Azure® activities

Review Azure landing zone

- Overview of policies & initiatives and ARM templates
- CIS Benchmark
- Networking
- Core resources
- Azure platform services
- Security Center, Advisor, Monitor, Cost Management

Code walkthrough

- Code base
- README.md files
- GitHub Actions

“Go-live” deployment

- With the Insight team’s guidance, client tears down the Azure environment and re-deploys using IaC

Create summary documentation to be reviewed with attendees

- Attendees to read content in advance; Session will be Q&A
- Educational presentations
- Skills readiness content
- Security baseline

### Terraform® activities

- Identify uses cases for Terraform Enterprise.
- Review infrastructure prerequisites.
- Identify desired pilot application(s)/modules
- Discuss workspace and organizational design.
- Prepare environment for installation and work through necessary approvals for target infrastructure.
- Single Sign On (SSO), Version Control System (VCS) and private module registry
- Migrate any existing open-source state.
- Implement modules and applications (identified in phase one), CI/CD pipelines and one or two example Sentinel policies.
- Walk team through installation, configuration, module deployment and pipeline development.
- Conduct one-on-one mentorship addressing specific scenarios.
- Conduct one-to-many enablement workshops to ramp up team on Terraform enterprise.

### GitHub® topics

- Introduction to GitHub
- Pulling and pushing code
- Reviewing pull requests
- Managing merge conflicts
- DevOps pipelines with GitHub actions
- Branching strategies

## About Insight

At Insight, we help clients enable innovation with an approach that spans people, processes and technologies. We believe the best path to digital transformation is integrative, responsive and proactively aligned to industry demands. Our client-focused approach delivers best-fit solutions across a scope of services, including the modern workplace, modern applications, modern infrastructures, the intelligent edge, cybersecurity, and data and AI.