

Delivering Tailored Terraform and IBM Cloud Training for Cloud Infrastructure & DevOps Teams

Challenge:

A prominent technology organization aimed to upskill their Infrastructure and DevOps teams on Infrastructure as Code (IaC) using Terraform, emphasizing the deployment and management of resources on IBM Cloud. The primary challenges included:

- Achieving Terraform Certified Associate-level proficiency and ensuring participants were thoroughly prepared for certification.
- Providing comprehensive, hands-on training focused specifically on IBM Cloud—a platform not commonly featured in standard Terraform training programs compared to AWS, Azure, or GCP.
- Ensuring consistent, high-quality training across two geographically distinct locations—Bangalore and Chennai—in classroom (ILT) format.

Solution:

Our approach involved a thorough customization of the training program, driven by extensive pre-training scoping sessions with the client's cloud architects and Learning & Development (L&D) team. Key aspects of our customized solution included:

- **Customized Curriculum Development:**
 - Designed content aligned explicitly with the HashiCorp Terraform Certified Associate certification.
 - Integrated IBM Cloud-specific use cases and real-world scenarios to ensure practical relevance and applicability.
- **Hands-on Practical Labs:**
 - Created tailored labs simulating real-life deployment tasks on IBM Cloud, including provisioning Virtual Private Clouds (VPCs), virtual servers, object storage solutions, databases, and additional services using Terraform.
- **Consistent Multi-location Training:**

- Delivered structured, instructor-led classroom training across Bangalore and Chennai, ensuring uniform learning experiences and outcomes at both sites.

Collaboration & Execution:

- **Course Delivered:** Terraform Certified Associate with IBM Cloud
- **Training Format:** Instructor-Led Classroom Training (ILT)
- **Schedule & Duration:**
 - Location 1 (Bangalore): 2 batches
 - Location 2 (Chennai): 2 batches
 - Regular working hours in IST (09:30 – 17:30)
- **Learning Tools & Platforms:**
 - Terraform CLI
 - Terraform Cloud (remote backends)
 - IBM Cloud Platform & CLI
 - Git and GitHub for version control

Results:

- **Participants Trained:**
 - Successfully trained over 32 participants across both Bangalore and Chennai.
- **Achieved Key Learning Outcomes:**
 - Participants developed robust theoretical and practical competencies aligned with Terraform Certified Associate exam requirements.
 - Gained hands-on experience in provisioning and managing IBM Cloud resources through Terraform, equipping teams to confidently automate infrastructure deployments.
- **Business Impact:**
 - Accelerated the team's shift toward IaC practices on IBM Cloud, significantly reducing the time-to-competency.
 - Supported the organization's cloud transformation initiatives, driving automation and efficiency.

- Established a pool of certified professionals internally, ready to lead and innovate using Terraform in IBM Cloud environments.