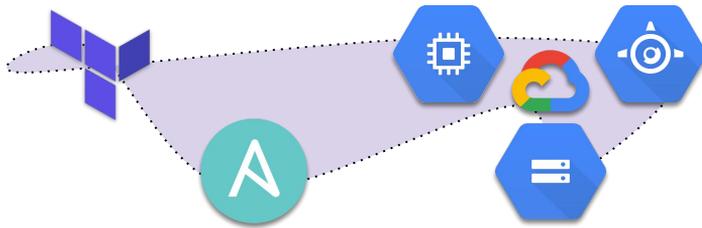**ARCTIQ PROFESSIONAL SERVICES**

Infrastructure-as-Code GCP Workshop

Arctiq technical workshops are focused on real-world enablement in condensed format. Hands-on and instructor-led, these workshops are taught by Senior Architects from Arctiq. The same people who spend their days implementing and improving Google Cloud Platform Infrastructure-as-Code (IAC) solutions in mission critical environments.

This is an introductory workshop to IAC using Ansible and Terraform on GCP. The course provides an introduction to the tooling and platform, and builds upon the deployment with Ansible to demonstrate how the tools are complementary. Materials include concepts and theory in respect to IAC and Infrastructure-as-a-Service (IaaS) consumption.

//included in every Arctiq workshop
- Training Facilities @ Arctiq in downtown Toronto (custom onsite is available)
- Workshop Materials
- Lab Access for 48 Hours
- Team Slack Channel invitation to collaborate

MORNING SESSION

The following IAC, IaaS, and automation topics will be covered during the morning agenda:

- Introduction and environment Setup (lab prep)
- Infrastructure as Code basics
- IaaS basics
- Tooling - GCP, Ansible, Terraform
- Functional labs

AFTERNOON SESSION

The afternoon session expands on the morning, going into further detail with the following agenda topics:

- Functional lab - building upon prior lab components
- IAC and IaaS live discussion
- Beyond the lab
  - Workflows and enterprise models
  - Use case discussions

"This has been the best training my team has ever had!"

Terraform describes infrastructure in syntax (i.e., code) for low-level and high-level components, and is easily refactored and reused across cloud platforms as well as on premise.

Orchestration and automation using descriptive code for automating software provisioning, configuration management, and application deployment.

Build repeatable IAC environments complete with infrastructure, networking, load balancing on Google Cloud using configuration files and commands.