Google Cloud Deployment Manager

Google Cloud Deployment Manager is a declarative infrastructure automation tool that makes it easy to create and manage cloud resources with simple templates.

Features

- Creates GCP resources.
- Repeatable deployment process.
- Declarative language using yaml, jinja2, and python files.
- Focus on the application.
- Template driven.
- Deployed using a .yaml configuration file which may reference templates.
- Not limited to 1 VM like Instance Templates.
- Support startup scripts and metadata capabilities.
- Deployments can be updated (adding or removing resources).
- A hosted alternative to Puppet, Chef, Terraform and AWS Cloud Formation.

Templates

- Templates are written in jinja2 or python files.
- Templates can be nested (isolate configuration files, reusable assets, etc).
- Templates can use two types of variables:
    - Template variables.
    - Environment variables.