Ansible
+ Terraform
= Perfect pairing

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The Journey to Immutable Infrastructure

- Most IT teams still lack skills and trust with automation
- We need a toolbox, not a multi-tool
- How can teams collaborate and centralize using Infrastructure-as-Code?
- When should we use what tool?

Terraform

ANSIBLE

Infrastructure-as-Code: Right Tool, Right Job

Ansible

- Application deployment
- Continuous configuration management
- Ongoing operational processes
- Easy-to-read playbooks

Terraform

- Initial provisioning
- Infrastructure environment
- De-provisioning
- Project collaboration

The Lifecycle Scenario

Simple Version: Terraform → ANSIBLE → Terraform

Expanded Version: HashiCorp Vagrant → Terraform → ANSIBLE → Terraform

Challenges You May Encounter

- Migrating from local to collaborative Terraform Cloud/Enterprise
- Limit and modify use of local-exec
- Secret management practices
- Feedback between Terraform and Ansible
- Removal of resources and syncing Ansible Tower
- Beware: Updates = destroy + Provision

Shameless plug

https://www.pluralsight.com/courses/hashicorp-nomad-getting-started

https://github.com/discoposse/ansible-terraform-perfect-pairing-example

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