

Problem Background

As our customer’s IT environment grew, their IT operations and infrastructure automation practise became increasingly complex. What initially started as a single automation platform requirement, grew into a multi-platform solution. The primary automation and deployment platforms were Ansible and Terraform. Playbooks and scripts for both environments were maintained, but also required both platforms to be maintained and upgraded. Combined with the regional and international deployments the environment soon had more than 5 teams across the business supporting the platforms.

Problem Statement

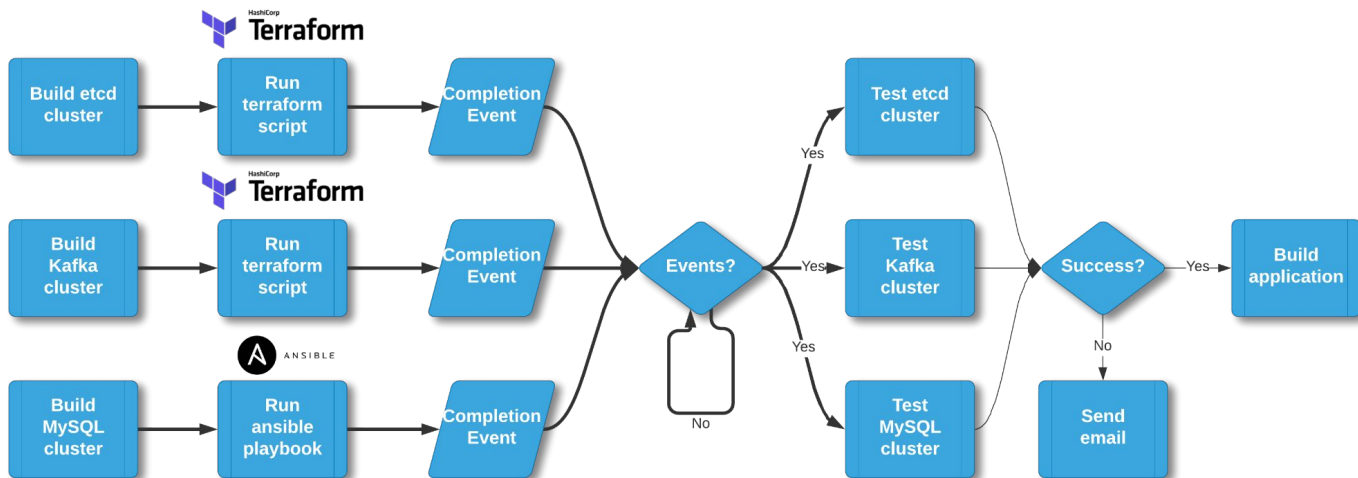
Consolidate the automation platforms, deliver the same outcome with less, re-use what already had been created.

Problem Impact

Resource impacts on automation teams, cost implication of supporting the platforms and inability to expand beyond IT infrastructure automation.

Solution

Using **Direktiv** as a container orchestration engine, Ansible and Terraform environments are “spun-up” on-demand as provisioning or infrastructure automation is required. The Direktiv engine clones the latest version of the customer playbooks (for Ansible) and Terraform scripts from their GitLab repository. The playbooks and scripts are then executed against the latest version of Ansible and Terraform — and once completed, destroyed. Additionally, advanced application testing and custom container integrations are added to the orchestrated workflows.



Business Outcome

Effort estimation savings 1.3 FTEs (maintenance of the Ansible and Terraform environments), ~45 mins per deployment and re-use of previously created IT infrastructure automation scripts and playbooks. Added functionality of custom container orchestrated steps..