**Steps to execute below infra using “Terraform with any Configuration Management tool integrated.”**

* Code or configuration change is committed to Git
* VSTS Release provisions Infrastructure using Terraform
* VSTS Release configures ansible playbook (Media Wiki) application on the provisioned servers.

Timeline

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Prerequisites:

* Configure custom VSTS agent with required tools available in Azure DevOps portal -> Settings -> Agent pool-> Default pool.
* Service Principal with Contributor access to the subscription. -> Here we need to implement connection between azure portal to our VSTS. Reference link to create service principle - <https://azuredevopslabs.com/labs/devopsserver/azureserviceprincipal/>
* Storage account and container to save Terraform state in (update “backend.tfvars” with the names). Terraform must store state about your managed infrastructure and configuration. This state is used by Terraform to map real world resources to your configuration, keep track of metadata, and to improve performance for large infrastructures.
* Ansible task extension installed from VSTS Market Place

Steps:

1. azure-pipelines.yml – Contains all the task to deploy infra as well as Miki media application.
2. Infra-provision – This folder contains all the relevant files related to infra provision by using terraform.
3. Miki.yml – This yaml file contains steps to deploy Media Wiki Application.