

# Adopting a VCS Workflow

---



**Ned Bellavance**

HashiCorp Ambassador

@ned1313 nedinthecloud.com



# Overview



**API and VCS workflows**

**VCS workflow migration**

**Working with multiple workspaces**



# VCS and API Workflows

---



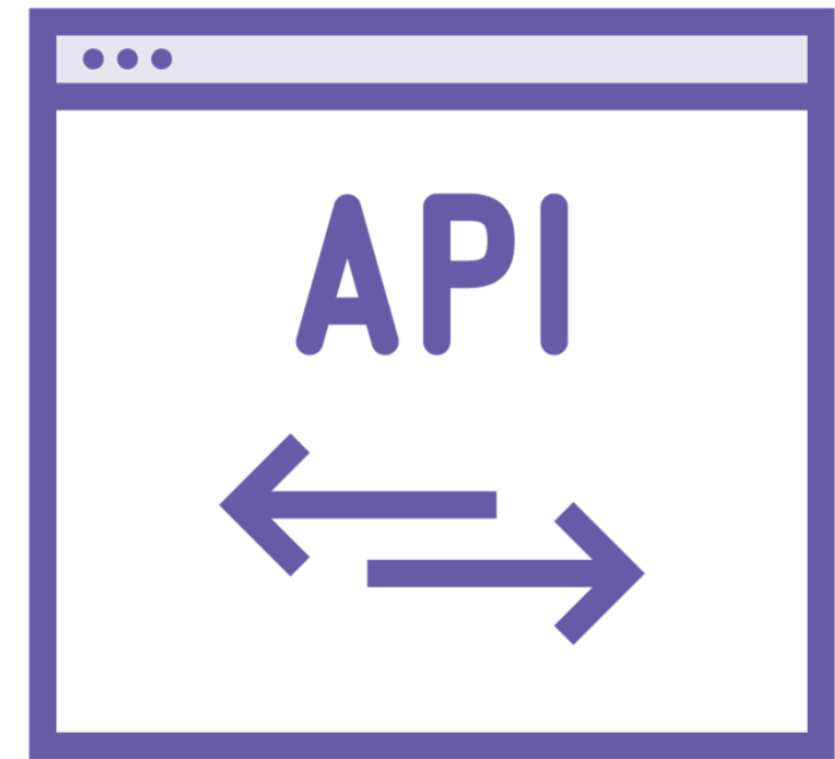
# Workflows



CLI

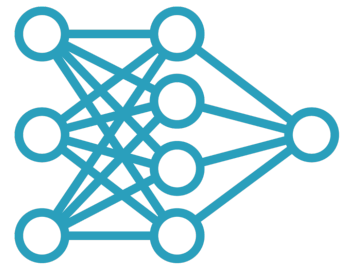


VCS



API

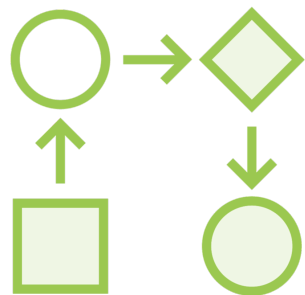
# API Workflow



**Used for complicated automation workflows**



**Requires authentication through tokens**



**Trigger runs through an external system (CI/CD)**



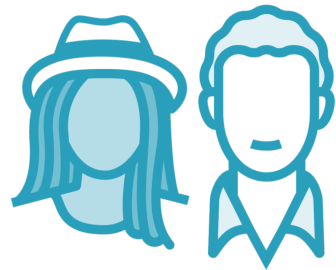
**Configurations bundled by external system**



# Benefits of VCS



**Centralize code using source control**



**Collaborate on review, recommendations, and updates**



**Approval process for each environment**



**Simplify rollback of changes**



# VCS Workflow



## Code in a repository

## VCS connections

- GitHub, GitLab, BitBucket, Azure DevOps
- SSH keys

## Run triggers

- VCS branch
- Working directory

## Cloud and backend blocks

## CLI speculative plan only



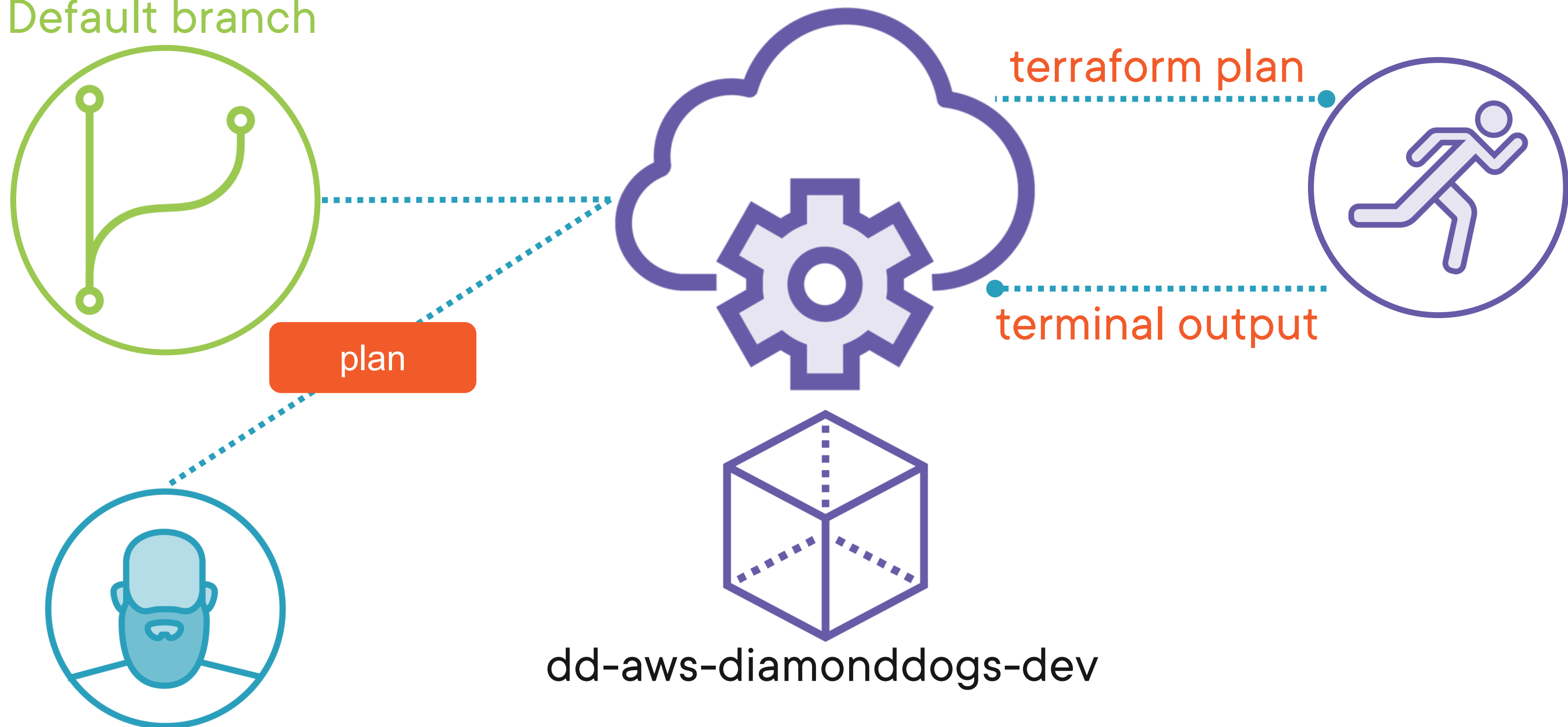
# dd-aws-diamonddogs-dev





# Triggering a Run

Default branch



# Demo



**Create a repository for Diamond Dogs**

**Clone and commit files**

**Configure VCS settings in workspace**

**Verify no changes on plan**

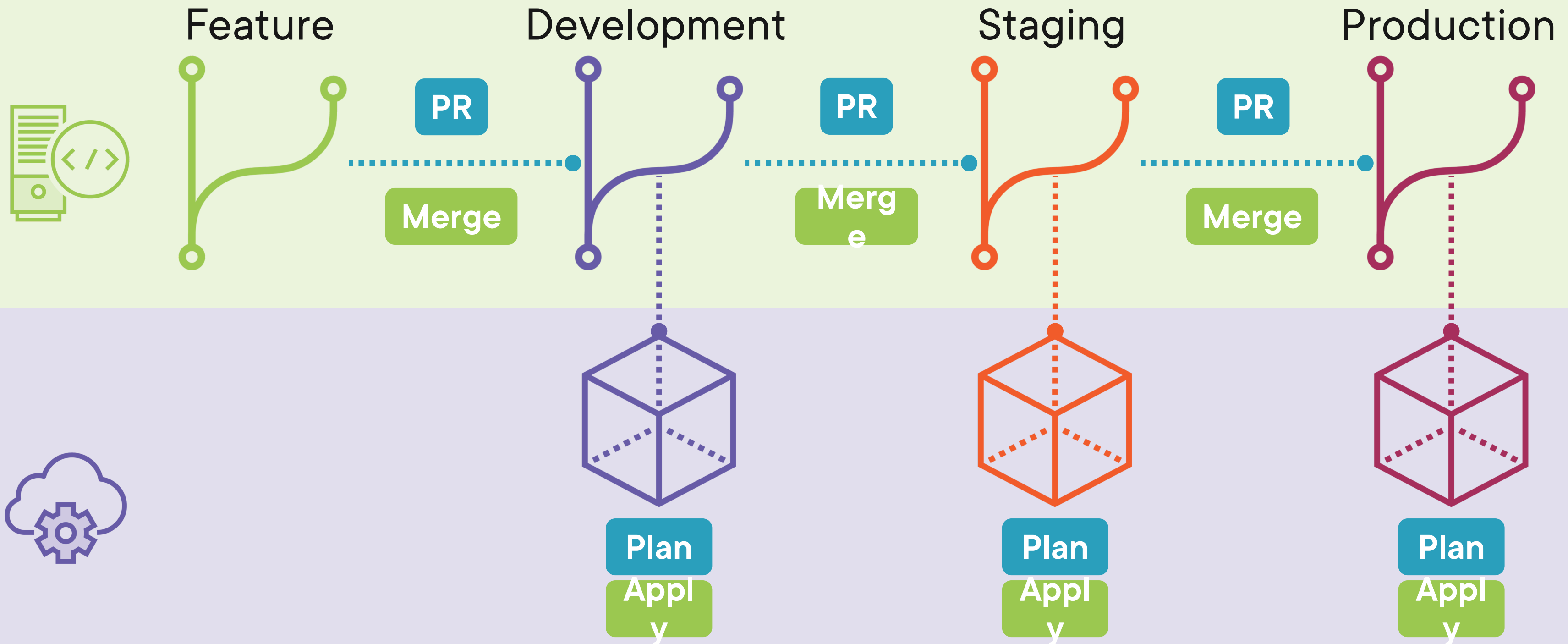


# VCS with Multiple Workspaces

---



# Typical Workflow



# Demo



**Create branches for Diamond Dogs**

**Create new workspaces and variable set**

**Test update workflow process**



# Summary



**VCS workflow linked to a branch and events**

**CLI for speculative plans**

**Multiple branches for multiple workspaces**

**API workflow for custom automation**



Up Next:  
Applying Policy as Code

---

