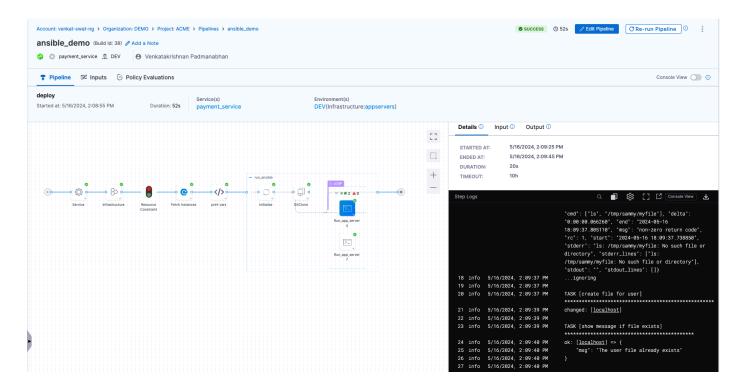# ANSIBLE PLAYBOOK

Overview

Harness Platform provides capabilities to execute ansible playbooks providing a rich user interface and integrated with RBAC and simpler configuration.

Design

Using deployment template allows users to design a pipeline that is similar to the out of the box capabilities available for other workloads such as kubernetes deployment.

Deployment template based pipeline allows users to leverage Harness platform capabilities such as services, environment and security that allows to track and view the execution details but also configure RBAC for additional security.
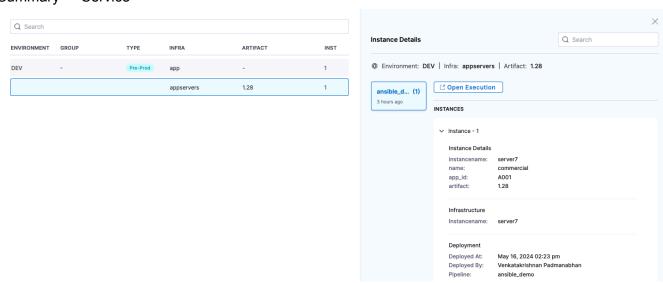
Highlights:

1. Use of step group to execute ansible using container step
2. Map the infrastructure definition to ansible roles
3. Use PDC connector (optional) to associate metadata with the target system.
4. Use of looping strategy with customized step name displayed in the console
5. Use service to associate application specific configuration.

GitHub Links

Component	Description
[Deployment Template](#)	Common foundation for all components. Defines the Fetch instance script, input and mapping of the json payload to instance.
[Service](#)	Created using Deployment Template. Configures custom artifact source and variables
[Infra Definition](#)	Created using Deployment Template. Configures infrastructure properties and how the values are provided.
[Pipeline](#)	Sample pipeline to execute a simple ansible playbook.
[PDC connector](#)	Leverage PDC connector for additional metadata
[Sample Inventory](#)	Sample ansible inventory file contents using fileStore. The file could be maintained in git or artifact server as well.

Reference:

Summary -> Service

ENVIRONMENT	GROUP	TYPE	INFRA	ARTIFACT	INST
DEV	–	Pre-Prod	app	–	1
			appservers	1.28	1

Instance Details

Environment: **DEV** | Infra: **appservers** | Artifact: **1.28**

ansible_d... (1)
3 hours ago

⤢ Open Execution

INSTANCES

⌄ Instance - 1

Instance Details

instancename:	server7
name:	commercial
app_id:	A001
artifact:	1.28

Infrastructure

Instancename:	server7

Deployment

Deployed At:	May 16, 2024 02:23 pm
Deployed By:	Venkatakrishnan Padmanabhan
Pipeline:	ansible_demo

Execution -> Output

Step: Run_app_server7

Details ⓘ   Input ⓘ   **Output** ⓘ

Output Name	Output Value
⌃ Output	
⌃ Output Variables	
CHANGED	2
FAILED	0
SKIPPED	0
OK	5