

DO274

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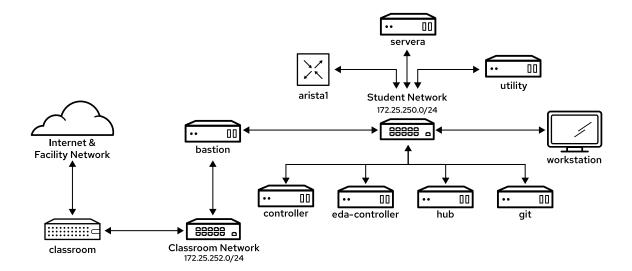
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Introduction



Repositories for this Course

Main Repository

- DO274_Notes: https://github.com/tmichett/DO274_Notes
 - Contains book components and demos and builds on Jenkins server. This is a private repository.
- DO274_Demo: https://github.com/tmichett/DO274_Demo
 - Contains PDF copy of book, demo source, and reference materials. This is a public repository and shared as part of the course delivery.



1. Getting Started with Event- Driven Ansible

1.1. Introduction to Event-Driven Ansible

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1.2. Creating and Testing Ansible Rulebooks

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1.3. DEMO - Acting on Webhook Events

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Listing 1. Example Code box for CLI

[student@workstation ~]\$ sudo yum module install container-tools

Listing 2. Example Code box for YAML

```
---
- name: Deploy HTTPD Server Demo
hosts: server
collections:

tasks:

## Start and Run the HTTPD Container
- name: Start the Apache Container
podman_container:
```

Example 1. LAB/Exercise: Hands-On Activity Example

```
1. Download a container image.
```

a. Registry: registry.access.redhat.com

b. Image: ubi7

2. Run the container

1.3.1. <Section_Sub_Intro_Here>



1.4. DEMO - Acting on System Journal Events

Section Info Here

Listing 3. Example Code box for CLI

[student@workstation ~]\$ sudo yum module install container-tools

Listing 4. Example Code box for YAML

```
---
- name: Deploy HTTPD Server Demo
hosts: server
collections:

tasks:

## Start and Run the HTTPD Container
- name: Start the Apache Container
podman_container:
```

Example 2. LAB/Exercise: Hands-On Activity Example

1. Download a container image.

a. Registry: registry.access.redhat.com

b. Image: ubi7

2. Run the container

1.4.1. <Section_Sub_Intro_Here>



1.5. DEMO - Acting on Results from the URL Check Plugin

Section Info Here

Listing 5. Example Code box for CLI

```
[student@workstation ~]$ sudo yum module install container-tools
```

Listing 6. Example Code box for YAML

```
---
- name: Deploy HTTPD Server Demo
hosts: server
collections:

tasks:

## Start and Run the HTTPD Container
- name: Start the Apache Container
podman_container:
```

Example 3. LAB/Exercise: Hands-On Activity Example

```
1. Download a container image.
```

a. Registry: registry.access.redhat.com

b. Image: ubi7

2. Run the container

1.5.1. <Section_Sub_Intro_Here>



1.6. DEMO - Watching the Sudoers File

Section Info Here

Example 4. Creating Events Based on Sudoers File Changes

1. Download a container image.

a. Registry: registry.access.redhat.com

b. Image: ubi7

2. Run the container



2. Getting Started with Event- Driven Ansible Controller

2.1. Installing Event-Driven Ansible Controller

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2.1.1. Planning the Installation

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2.1.4.1. Installing Event-Driven Ansible Controller

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- 2.2.6. Launching an Automation Controller Job Template or Workflow Template Using a Rulebook Activation
- 2.2.7. Viewing Rule Audits



2.3. DEMO - Configuring Event-Driven Ansible Controller to Run Ansible Rulebooks

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Listing 7. Example Code box for CLI

```
[student@workstation ~]$ sudo yum module install container-tools
```

Listing 8. Example Code box for YAML

```
---
- name: Deploy HTTPD Server Demo
hosts: server
collections:

tasks:

## Start and Run the HTTPD Container
- name: Start the Apache Container
podman_container:
```

Example 5. LAB/Exercise: Hands-On Activity Example

```
1. Download a container image.
```

a. Registry: registry.access.redhat.com

b. Image: ubi7

2. Run the container

2.3.1. <Section_Sub_Intro_Here>



3. Example Use Cases for Event- Driven Ansible

3.1. GitOps with Event-Driven Ansible

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3.2. DEMO - GitOps with Event-Driven Ansible

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Listing 9. Example Code box for CLI

[student@workstation ~]\$ sudo yum module install container-tools

Listing 10. Example Code box for YAML

```
---
- name: Deploy HTTPD Server Demo
hosts: server
collections:

tasks:

## Start and Run the HTTPD Container
- name: Start the Apache Container
podman_container:
```

Example 6. LAB/Exercise: Hands-On Activity Example

1. Download a container image.

a. Registry: registry.access.redhat.com

b. Image: ubi7

2. Run the container

3.2.1. <Section_Sub_Intro_Here>



3.3. Event-Driven Ansible and NetOps

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3.3.2. Managing Network Devices

3.3.3. Running Playbooks that Include Networking Modules

- 3.3.3.1. Run Playbooks on Your Local System
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- 3.3.5.1. Configuring an Incoming Webhook
- 3.3.5.2. Configuring an Outgoing Webhook



3.4. DEMO - Event-Driven Ansible and NetOps

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Listing 11. Example Code box for CLI

[student@workstation ~]\$ sudo yum module install container-tools

Listing 12. Example Code box for YAML

```
---
- name: Deploy HTTPD Server Demo
hosts: server
collections:

tasks:

## Start and Run the HTTPD Container
- name: Start the Apache Container
podman_container:
```

Example 7. LAB/Exercise: Hands-On Activity Example

```
1. Download a container image.
```

a. Registry: registry.access.redhat.com

b. Image: ubi7

2. Run the container

3.4.1. <Section_Sub_Intro_Here>



3.5. DEMO - Event-Driven Ansible and Automated Notifications

Section Info Here

Listing 13. Example Code box for CLI

[student@workstation ~]\$ sudo yum module install container-tools

Listing 14. Example Code box for YAML

```
---
- name: Deploy HTTPD Server Demo
hosts: server
collections:

tasks:

## Start and Run the HTTPD Container
- name: Start the Apache Container
podman_container:
```

Example 8. LAB/Exercise: Hands-On Activity Example

1. Download a container image.

a. Registry: registry.access.redhat.com

b. Image: ubi7

2. Run the container

3.5.1. <Section_Sub_Intro_Here>



3.6. DEMO - Triggering Event-Driven Ansible from a Chat Room

Section Info Here

Listing 15. Example Code box for CLI

[student@workstation ~]\$ sudo yum module install container-tools

Listing 16. Example Code box for YAML

```
---
- name: Deploy HTTPD Server Demo
hosts: server
collections:

tasks:

## Start and Run the HTTPD Container
- name: Start the Apache Container
podman_container:
```

Example 9. LAB/Exercise: Hands-On Activity Example

```
1. Download a container image.
```

a. Registry: registry.access.redhat.com

b. Image: ubi7

2. Run the container

3.6.1. <Section_Sub_Intro_Here>