

DO274

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1. Getting Started with Event- Driven Ansible

1.1. Introduction to Event-Driven Ansible

- 1.1.1. Event-Driven Ansible
- 1.1.2. Event-Driven Ansible Components
- 1.1.3. Running Ansible Rulebooks
- 1.1.3.1. Running Ansible Rulebooks from the Command Line
- 1.1.3.2. Running Ansible Rulebooks with Event-Driven Ansible Controller
- 1.1.4. Content for the Event Source Plug-ins
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- 1.1.4.3. Getting Content from Private Automation Hub
- 1.1.5. Event-Driven Ansible Use Cases
- 1.1.5.1. Fact and Ticket Enrichment
- 1.1.5.2. High Occurrence of Low-complexity Issues
- 1.1.5.3. Security and Compliance Automation



1.2. Creating and Testing Ansible Rulebooks

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- 1.2.1. Reading and Writing Ansible Rulebooks
- 1.2.2. Selecting Actions for Rules
- 1.2.2.1. Actions on an Automation Controller
- 1.2.3. Event Source Plug-ins and Sample Rulebooks
- 1.2.3.1. Reacting to Webhook Events
- 1.2.3.2. Reacting to Log Events
- 1.2.3.3. Reacting to URL Check Events
- 1.2.4. Testing Ansible Rulebooks



1.3. DEMO - Acting on Webhook Events

Section Info Here

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>



2. Getting Started with Event- Driven Ansible Controller

2.1. Installing Event-Driven Ansible Controller

Section Info Here

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 4. LAB/Exercise: Hands-On Activity Example

- 1. Download a container image.
 - a. Registry: registry.access.redhat.com
 - b. Image: ubi7
- 2. Run the container

2.1.1. <Section_Sub_Intro_Here>



2.2. Configuring Event-Driven Ansible Controller to Run Ansible Rulebooks

Section Info Here

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 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

2.2.1. <Section_Sub_Intro_Here>



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

Section Info Here

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 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

2.3.1. <Section_Sub_Intro_Here>



3. Example Use Cases for Event- Driven Ansible

3.1. GitOps with Event-Driven Ansible

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 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

3.1.1. <Section_Sub_Intro_Here>



3.2. DEMO - GitOps with Event-Driven Ansible

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 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

3.2.1. <Section_Sub_Intro_Here>



3.3. Event-Driven Ansible and NetOps

Section Info Here

Listing 17. Example Code box for CLI

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

Listing 18. 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

3.3.1. <Section_Sub_Intro_Here>



3.4. DEMO - Event-Driven Ansible and NetOps

Section Info Here

Listing 19. Example Code box for CLI

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

Listing 20. 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 10. 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 21. Example Code box for CLI

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

Listing 22. 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 11. 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 23. Example Code box for CLI

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

Listing 24. 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 12. 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>