



Red Hat Training and Certification

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

1.1.4.1. Red Hat Ansible Certified Content

1.1.4.2. Ansible Validated Content

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. <SECTION TITLE>

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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

1.2.1. <Section_Sub_Intro_Here>

1.3. DEMO - Acting on Webhook 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

1.3.1. <Section_Sub_Intro_Here>

1.4. DEMO - Acting on System Journal Events

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

1.4.1. <Section_Sub_Intro_Here>

1.5. DEMO - Acting on Results from the URL Check Plug-in

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

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 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

2.1.1. <Section_Sub_Intro_Here>

2.2. 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

2.2.1. <Section_Sub_Intro_Here>

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

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

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 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

3.1.1. <Section_Sub_Intro_Here>

3.2. DEMO - GitOps with Event-Driven Ansible

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

3.2.1. <Section_Sub_Intro_Here>

3.3. 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

3.3.1. <Section_Sub_Intro_Here>

3.4. DEMO - Event-Driven Ansible and NetOps

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

3.4.1. <Section_Sub_Intro_Here>

3.5. DEMO - Event-Driven Ansible and Automated Notifications

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

3.5.1. <Section_Sub_Intro_Here>

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

Section Info Here

Listing 25. Example Code box for CLI

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

Listing 26. 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 13. 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>