



Red Hat Training and Certification

DO274

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Table of Contents

1. Getting Started with Event- Driven Ansible	1
1.1. Introduction to Event-Driven Ansible	1
1.1.1. Event-Driven Ansible	1
1.1.2. Event-Driven Ansible Components	1
1.1.3. Running Ansible Rulebooks	1
1.1.3.1. Running Ansible Rulebooks from the Command Line	1
1.1.3.2. Running Ansible Rulebooks with Event-Driven Ansible Controller	1
1.1.4. Content for the Event Source Plug-ins	1
1.1.4.1. Red Hat Ansible Certified Content	1
1.1.4.2. Ansible Validated Content	1
1.1.4.3. Getting Content from Private Automation Hub	1
1.1.5. Event-Driven Ansible Use Cases	1
1.1.5.1. Fact and Ticket Enrichment	1
1.1.5.2. High Occurrence of Low-complexity Issues	1
1.1.5.3. Security and Compliance Automation	1
1.2. Creating and Testing Ansible Rulebooks	2
1.2.1. Reading and Writing Ansible Rulebooks	2
1.2.2. Selecting Actions for Rules	2
1.2.2.1. Actions on an Automation Controller	2
1.2.3. Event Source Plug-ins and Sample Rulebooks	2
1.2.3.1. Reacting to Webhook Events	2
1.2.3.2. Reacting to Log Events	2
1.2.3.3. Reacting to URL Check Events	2
1.2.4. Testing Ansible Rulebooks	2
1.3. DEMO - Acting on Webhook Events	3
1.3.1. <Section_Sub_Intro_Here>	3
1.4. DEMO - Acting on System Journal Events	4
1.4.1. <Section_Sub_Intro_Here>	4
1.5. DEMO - Acting on Results from the URL Check Plug-in	5
1.5.1. <Section_Sub_Intro_Here>	5
2. Getting Started with Event- Driven Ansible Controller	6
2.1. Installing Event-Driven Ansible Controller	6
2.1.1. <Section_Sub_Intro_Here>	6
2.2. Configuring Event-Driven Ansible Controller to Run Ansible Rulebooks	7
2.2.1. <Section_Sub_Intro_Here>	7
2.3. DEMO - Configuring Event-Driven Ansible Controller to Run Ansible Rulebooks	8

- 2.3.1. <Section_Sub_Intro_Here> 8
- 3. Example Use Cases for Event- Driven Ansible..... 9
 - 3.1. GitOps with Event-Driven Ansible 9
 - 3.1.1. <Section_Sub_Intro_Here> 9
 - 3.2. DEMO - GitOps with Event-Driven Ansible..... 10
 - 3.2.1. <Section_Sub_Intro_Here> 10
 - 3.3. Event-Driven Ansible and NetOps 11
 - 3.3.1. <Section_Sub_Intro_Here> 11
 - 3.4. DEMO - Event-Driven Ansible and NetOps..... 12
 - 3.4.1. <Section_Sub_Intro_Here> 12
 - 3.5. DEMO - Event-Driven Ansible and Automated Notifications..... 13
 - 3.5.1. <Section_Sub_Intro_Here> 13
 - 3.6. DEMO - Triggering Event-Driven Ansible from a Chat Room 14
 - 3.6.1. <Section_Sub_Intro_Here> 14

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. Creating and Testing Ansible Rulebooks

Section Info Here

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 Plug-in

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>