



Working with Ansible Galaxy

**Ansible for Configuration Management and Deployments**

**Learning and Knowledge Management**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version** | **Revision Date** | **Description** | **Author(s)** | **Reviewed by** | **Approved by** |
| V1.0 | 14-09-2020 | Initial Version | Ranjith Kumar Thirumalai Ramesh | Rathnajyothi Perumalsamy  Vishnu Kallimakula | CPCL Sreenivasa Rao |
|  |  |  |  |  |  |

## 

Index

[3](#_Toc51085205)

[Exercise: Working with Ansible Galaxy 4](#_Toc51085206)

[Prerequisite: Must have https://github.com account 4](#_Toc51085207)

[Scenario: In this activity, we will cover how to create a collection that include roles. 4](#_Toc51085208)

[Sub Activity 1: Creating ansible galaxy account 4](#_Toc51085209)

[Sub Activity 2: Creating a collection using ansible galaxy 6](#_Toc51085210)

# Exercise: Working with Ansible Galaxy

## Prerequisite: Must have https://github.com account

## Scenario: In this activity, we will cover how to create a collection that include roles.

## Sub Activity 1: Creating ansible galaxy account

|  |  |
| --- | --- |
| **Step 1** | Go to <https://galaxy.ansible.com/home> and click on Login link towards top right corner – |
| **Step 2** | You must have <https://github.com> account before creating account with Ansible Galaxy. Click on the github.com symbol as highlighted in the below image – |
| **Step 3** | Login to the <https://github.com> would login to ansible galaxy. |
| **Step 4** | Now you can notice, your github username towards top right corner as highlighted in the below image – |

## Sub Activity 2: Creating a collection using ansible galaxy

|  |  |
| --- | --- |
| **Step 1** | Create a folder with the name roles\_activities and get inside the folder using **mkdir** and **cd** commands as shown below – |
| **Step 2** | Create a collection using the below command –  **ansible-galaxy collection init <github-username>.<collection\_name>**  **For example**: ansible-galaxy collection init <github-username>.war\_deploy\_collection |
| **Step 3** | Execute the below commands to get inside <github-username>/war\_deploy\_collection folder and later inside roles folder.    cd <github-username>/war\_deploy\_collection  ls  cd roles |
| **Step 4** | Execute the below command to create a role –    **Syntax**: ansible-galaxy init <role\_name>  **ansible-galaxy init calculator\_app\_deploy** |
| **Step 5** | Execute the below commands to start working with the new role created –    cd calculator\_app\_deploy  tree |
| **Step 6** | Copy and paste calculator.war file and server.xml files into files/ folder. After copying the result of the tree command is as shown below – |
| **Step 7** | Copy paste the code for handlers, tasks and variables into **handlers/main.yml**, **tasks/main.yml** and **vars/main.yml** files respectively. These codes are provided in Required.txt supplied file with the comment #code for handlers, #code for tasks and #code for variables respectively. |
| **Step 8** | Go back to **roles\_activities** folder created in **Step 1** |
| **Step 9** | Execute the below command to build the collection we created in Step 2    **Syntax:** ansible-galaxy collection build <github-user-name>/<repository\_name>  **ansible-galaxy collection build <github-username>/war\_deploy\_collection** |

Copyright © 2020 Accenture

All rights reserved.

Accenture and its logo are   
trademarks of Accenture.