



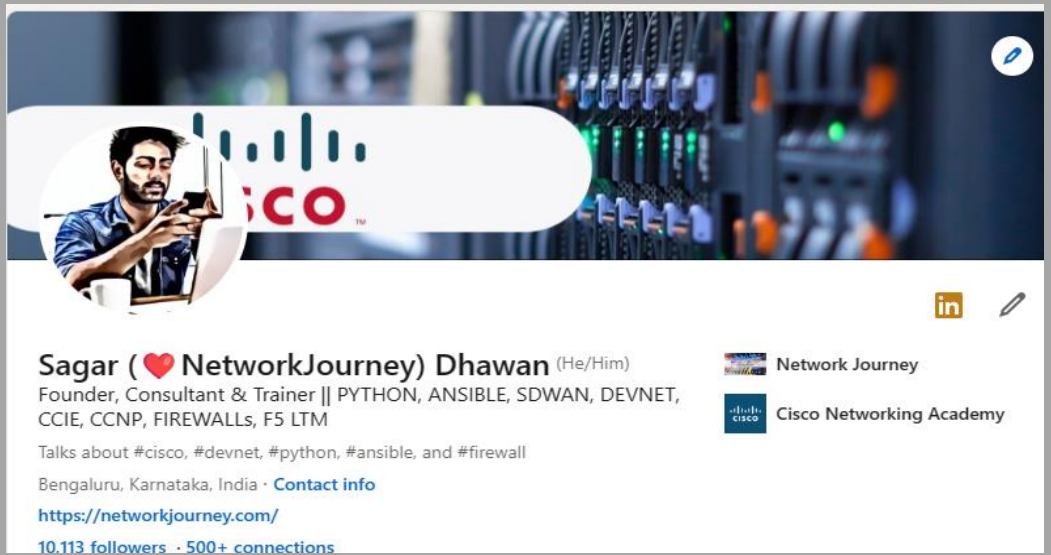
# Network Journey

*A journey towards packet life !!!*



ANSIBLE

## Top 40 Ansible Galaxy MCQ Q&A with Explanations



LinkedIn profile card for Sagar (❤️ NetworkJourney) Dhawan (He/Him). The card features a profile picture of Sagar, a banner image with a Cisco logo, and a background image of server racks. The text on the card includes his title as Founder, Consultant & Trainer, his skills in PYTHON, ANSIBLE, SDWAN, DEVNET, CCIE, CCNP, FIREWALLS, and F5 LTM, and his location in Bengaluru, Karnataka, India. It also shows his website URL, follower count, and connection count.

**Sagar (❤️ NetworkJourney) Dhawan** (He/Him)  
Founder, Consultant & Trainer || PYTHON, ANSIBLE, SDWAN, DEVNET, CCIE, CCNP, FIREWALLS, F5 LTM  
Talks about #cisco, #devnet, #python, #ansible, and #firewall  
Bengaluru, Karnataka, India · [Contact info](#)  
<https://networkjourney.com/>  
10.113 followers · 500+ connections

Network Journey  
Cisco Networking Academy

1. What is Ansible Galaxy used for?

- a) Managing Docker containers
- b) Managing Kubernetes clusters
- c) Managing Ansible roles
- d) Managing virtual machines

**Answer: c) Managing Ansible roles**

Explanation: Ansible Galaxy is a repository for Ansible roles, where users can find, share, and reuse Ansible roles for automation tasks.

2. Which command is used to install an Ansible role from Ansible Galaxy?

- a) ``ansible install``
- b) ``ansiblegalaxy install``
- c) ``ansiblerole add``
- d) ``ansiblerole install``

**Answer: b) `ansiblegalaxy install`**

Explanation: The ``ansiblegalaxy install`` command is used to install Ansible roles from Ansible Galaxy.

3. What file is used to define metadata for an Ansible role in Ansible Galaxy?

- a) ``meta.yml``
- b) ``role.yml``
- c) ``galaxy.yml``
- d) ``ansible.yml``

**Answer: c) `galaxy.yml`**

Explanation: The ``galaxy.yml`` file is used to define metadata for an Ansible role in Ansible Galaxy, including author information, dependencies, and supported platforms.

4. Which Ansible Galaxy command is used to create a new role?

- a) ``ansiblegalaxy create``
- b) ``ansiblegalaxy new``
- c) ``ansiblerole create``
- d) ``ansiblerole new``

**Answer: a) `ansiblegalaxy create`**

Explanation: The ``ansiblegalaxy create`` command is used to create a new Ansible role template in Ansible Galaxy.

5. What is the purpose of ``requirements.yml`` in an Ansible role?

- a) To define the role's variables
- b) To specify required Ansible versions
- c) To list dependencies for the role

d) To document the role's tasks

**Answer: c) To list dependencies for the role**

Explanation: The `requirements.yml` file is used to list dependencies (other roles) that are required by the Ansible role.

6. Which command installs all dependencies listed in `requirements.yml` for an Ansible role?

a) ``ansiblegalaxy add``

b) ``ansiblerole install``

c) ``ansiblegalaxy install r requirements.yml``

d) ``ansiblegalaxy install dependencies``

**Answer: c) `ansiblegalaxy install r requirements.yml`**

Explanation: The `r`` option in ``ansiblegalaxy install`` specifies that dependencies listed in `requirements.yml` should be installed.

7. How can you search for Ansible roles in Ansible Galaxy from the command line?

a) ``ansiblegalaxy search``

b) ``ansiblerole search``

c) ``ansible search``

d) ``galaxy search``

**Answer: a) `ansiblegalaxy search`**

Explanation: The ``ansiblegalaxy search`` command is used to search for Ansible roles in Ansible Galaxy from the command line.

8. What is the purpose of the `README.md` file in an Ansible role?

a) To define role dependencies

b) To document the role's variables

c) To list supported platforms

d) To provide information and instructions about the role

**Answer: d) To provide information and instructions about the role**

Explanation: The `README.md` file is used to provide information, usage instructions, and other details about an Ansible role.

9. Which directory in an Ansible role contains tasks that should be executed for that role?

a) ``defaults``

b) ``tasks``

c) ``vars``

d) ``meta``

**Answer: b) `tasks`**

Explanation: The ``tasks`` directory in an Ansible role contains tasks that should be executed when the role is applied.

10. What is the default directory structure of an Ansible role created using ``ansiblegalaxy init`` command?

- a) ``tasks/`, `meta/`, `vars/`, `defaults/``
- b) ``tasks/`, `handlers/`, `vars/`, `defaults/``
- c) ``tasks/`, `handlers/`, `meta/`, `defaults/``
- d) ``tasks/`, `handlers/`, `vars/`, `library/``

**Answer: b) ``tasks/`, `handlers/`, `vars/`, `defaults/``**

Explanation: When you create an Ansible role using ``ansiblegalaxy init``, the default directory structure includes ``tasks/`, `handlers/`, `vars/`, and `defaults/`` directories.

11. Which command lists the roles installed on the local machine from Ansible Galaxy?

- a) ``ansiblegalaxy list``
- b) ``ansiblerole list``
- c) ``ansible list roles``
- d) ``ansiblegalaxy roles``

**Answer: a) ``ansiblegalaxy list``**

Explanation: The ``ansiblegalaxy list`` command lists the roles installed on the local machine from Ansible Galaxy.

12. Which file is used to specify tasks that should be executed only once per playbook for an Ansible role?

- a) ``main.yml``
- b) ``tasks.yml``
- c) ``setup.yml``
- d) ``handler.yml``

**Answer: a) ``main.yml``**

Explanation: The ``main.yml`` file in the ``tasks/`` directory of an Ansible role specifies tasks that should be executed only once per playbook run.

13. Which command is used to remove an installed Ansible role from the local machine?

- a) ``ansiblegalaxy remove``
- b) ``ansiblegalaxy delete``
- c) ``ansiblerole remove``
- d) ``ansiblerole delete``

**Answer: a) ``ansiblegalaxy remove``**

Explanation: The ``ansiblegalaxy remove`` command is used to remove an installed Ansible role from the local machine.

14. Which Ansible Galaxy command is used to publish a role to Ansible Galaxy?

- a) ``ansiblegalaxy publish``
- b) ``ansiblerole publish``
- c) ``ansiblegalaxy upload``
- d) ``ansiblegalaxy share``

**Answer: c) ``ansiblegalaxy upload``**

Explanation: The ``ansiblegalaxy upload`` command is used to publish a role to Ansible Galaxy after creating an account and preparing the role.

15. What is the purpose of ``meta/main.yml`` file in an Ansible role?

- a) To define metadata about the role
- b) To specify role dependencies
- c) To list variables used in the role
- d) To document the role's tasks

**Answer: b) To specify role dependencies**

Explanation: The ``meta/main.yml`` file in an Ansible role is used to specify role dependencies that must be installed before using the role.

16. Which command initializes a new Ansible role with a specific role name using Ansible Galaxy?

- a) ``ansiblegalaxy create``
- b) ``ansiblegalaxy init``
- c) ``ansiblegalaxy new``
- d) ``ansiblegalaxy start``

**Answer: b) ``ansiblegalaxy init``**

Explanation: The ``ansiblegalaxy init`` command initializes a new Ansible role template with a specific role name, creating the necessary directory structure and files.

17. What is the default directory for storing role variables in an Ansible role?

- a) ``defaults/``
- b) ``vars/``
- c) ``tasks/``
- d) ``meta/``

**Answer: a) ``defaults/``**

Explanation: The ``defaults/`` directory in an Ansible role is used to store default variables that can be overridden in playbooks or inventories.

18. Which command lists detailed information about a specific Ansible role from Ansible Galaxy?

- a) ``ansiblegalaxy show``
- b) ``ansiblegalaxy info``
- c) ``ansiblerole info``
- d) ``ansiblerole show``

**Answer: a) ``ansiblegalaxy show``**

Explanation: The ``ansiblegalaxy show`` command lists detailed information about a specific Ansible role from Ansible Galaxy, including metadata and dependencies.

19. What is the purpose of the ``handlers/`` directory in an Ansible role?

- a) To define tasks that should be run at the end of a playbook
- b) To store reusable task sequences
- c) To manage eventdriven tasks
- d) To define tasks that should be run only once per playbook run

**Answer: a) To define tasks that should be run at the end of a playbook**

Explanation: The ``handlers/`` directory in an Ansible role is used to define tasks (handlers) that should be run at the end of a playbook, triggered by notify directives in tasks.

20. Which command updates an installed Ansible role to the latest version available in Ansible Galaxy?

- a) ``ansiblegalaxy update``
- b) ``ansiblegalaxy upgrade``
- c) ``ansiblerole update``
- d) ``ansiblerole upgrade``

**Answer: a) ``ansiblegalaxy update``**

Explanation: The ``ansiblegalaxy update`` command updates an installed Ansible role to the latest version available in Ansible Galaxy.

21. Which file is used to define variables that can be overridden by users when using an Ansible role?

- a) ``main.yml``
- b) ``tasks.yml``
- c) ``vars.yml``
- d) ``defaults/main.yml``

**Answer: d) ``defaults/main.yml``**

Explanation: The ``defaults/main.yml`` file in an Ansible role is used to define default variables that can be overridden by users in playbooks or inventories.

22. What does ``ansiblegalaxy init`` command do when initializing a new Ansible role?

- a) Creates a new directory structure
- b) Downloads a role from Ansible Galaxy

- c) Installs dependencies for a role
- d) Removes an existing role

**Answer: a) Creates a new directory structure**

Explanation: The ``ansiblegalaxy init`` command initializes a new Ansible role by creating a default directory structure and essential files.

23. Which directory contains tasks that are executed when a specific condition is met in an Ansible role?

- a) ``meta/``
- b) ``handlers/``
- c) ``tasks/``
- d) ``vars/``

**Answer: c) ``tasks/``**

Explanation: The ``tasks/`` directory in an Ansible role contains tasks that are executed when specific conditions are met during playbook execution.

24. Which Ansible Galaxy command is used to remove an installed role from the local machine?

- a) ``ansiblegalaxy delete``
- b) ``ansiblegalaxy remove``
- c) ``ansiblerole delete``
- d) ``ansiblerole remove``

**Answer: b) ``ansiblegalaxy remove``**

Explanation: The ``ansiblegalaxy remove`` command is used to remove an installed role from the local machine, cleaning up resources associated with the role.

25. What is the purpose of the ``meta/`` directory in an Ansible role?

- a) To define role dependencies
- b) To store metadata about the role
- c) To manage eventdriven tasks
- d) To define tasks that should be run at the end of a playbook

**Answer: a) To define role dependencies**

Explanation: The ``meta/`` directory in an Ansible role is used to define metadata, including role dependencies that must be installed before using the role.

26. Which command uploads a role to Ansible Galaxy after preparing it for publication?

- a) ``ansiblegalaxy publish``
- b) ``ansiblegalaxy upload``
- c) ``ansiblerole publish``
- d) ``ansiblerole upload``



**Answer: b) `ansiblegalaxy upload`**

Explanation: The `ansiblegalaxy upload` command uploads a role to Ansible Galaxy after creating an account and preparing the role for publication.

27. Which directory in an Ansible role contains files that define variables specific to different platforms or environments?

- a) `defaults/`
- b) `vars/`
- c) `tasks/`
- d) `meta/`

**Answer: b) `vars/`**

Explanation: The `vars/` directory in an Ansible role contains files that define variables specific to different platforms or environments, facilitating role flexibility.

28. What is the purpose of the `tests/` directory in an Ansible role?

- a) To define test cases for the role
- b) To store temporary files
- c) To manage role dependencies
- d) To store backup files

**Answer: a) To define test cases for the role**

Explanation: The `tests/` directory in an Ansible role is used to define test cases and perform testing for the role's functionality and compatibility.

29. Which command installs all roles listed in `requirements.yml` for an Ansible playbook?

- a) `ansiblegalaxy add`
- b) `ansiblegalaxy install r requirements.yml`
- c) `ansiblegalaxy install dependencies`
- d) `ansiblerole install`

**Answer: b) `ansiblegalaxy install r requirements.yml`**

Explanation: The `r` option in `ansiblegalaxy install` specifies that roles listed in `requirements.yml` should be installed for an Ansible playbook.

30. Which Ansible Galaxy command is used to list all available roles from Ansible Galaxy?

- a) `ansiblegalaxy list all`
- b) `ansiblegalaxy search all`
- c) `ansiblegalaxy list`
- d) `ansiblegalaxy search`

**Answer: d) `ansiblegalaxy search`**

Explanation: The `ansiblegalaxy search` command is used to list all available roles from Ansible Galaxy, helping users discover and explore roles for automation tasks.



31. Which command imports a role from Ansible Galaxy into your local Ansible environment?

- a) ``ansiblegalaxy import``
- b) ``ansiblegalaxy fetch``
- c) ``ansiblegalaxy download``
- d) ``ansiblegalaxy install``

**Answer: d) ``ansiblegalaxy install``**

Explanation: The ``ansiblegalaxy install`` command imports a role from Ansible Galaxy into your local Ansible environment for use in playbooks.

32. Which directory in an Ansible role contains files that define variables for use across multiple roles or playbooks?

- a) ``defaults/``
- b) ``vars/``
- c) ``meta/``
- d) ``library/``

**Answer: b) ``vars/``**

Explanation: The ``vars/`` directory in an Ansible role contains files that define variables for use across multiple roles or playbooks, facilitating modularization and reusability.

33. What is the purpose of the ``tasks/main.yml`` file in an Ansible role?

- a) To define default variables
- b) To specify role dependencies
- c) To list tasks executed during playbook runs
- d) To manage eventdriven tasks

**Answer: c) To list tasks executed during playbook runs**

Explanation: The ``tasks/main.yml`` file in an Ansible role lists tasks that are executed during playbook runs when the role is applied.

34. Which command is used to update the metadata for an Ansible role published on Ansible Galaxy?

- a) ``ansiblegalaxy update``
- b) ``ansiblegalaxy edit``
- c) ``ansiblegalaxy metadata``
- d) ``ansiblegalaxy publish``

**Answer: b) ``ansiblegalaxy edit``**

Explanation: The ``ansiblegalaxy edit`` command is used to update the metadata for an Ansible role published on Ansible Galaxy, including author information and role details.

35. What does ``ansiblegalaxy collection`` command do?

- a) Lists all Ansible collections
- b) Installs an Ansible collection
- c) Updates an Ansible collection
- d) Deletes an Ansible collection

**Answer: a) Lists all Ansible collections**

Explanation: The ``ansiblegalaxy collection`` command lists all Ansible collections available in the environment.

36. Which file defines dependencies that are required by an Ansible role in ``meta/`` directory?

- a) ``dependencies.yml``
- b) ``requirements.yml``
- c) ``meta.yml``
- d) ``galaxy.yml``

**Answer: c) ``meta.yml``**

Explanation: The ``meta.yml`` file in the ``meta/`` directory of an Ansible role defines dependencies that are required by the role, including other roles and collections.

37. What is the purpose of ``ansiblegalaxy collection build`` command?

- a) Builds an Ansible role from scratch
- b) Builds an Ansible collection from scratch
- c) Uploads an Ansible collection to Galaxy
- d) Downloads an Ansible collection from Galaxy

**Answer: b) Builds an Ansible collection from scratch**

Explanation: The ``ansiblegalaxy collection build`` command is used to build an Ansible collection from scratch, creating the necessary structure and metadata.

38. Which command is used to list all installed collections in Ansible?

- a) ``ansiblegalaxy list collections``
- b) ``ansiblegalaxy collections list``
- c) ``ansible collections list``
- d) ``ansiblegalaxy installed collections``

**Answer: b) ``ansiblegalaxy collections list``**

Explanation: The ``ansiblegalaxy collections list`` command lists all installed collections in Ansible, including their versions and sources.

39. What does ``ansiblegalaxy role init`` command do?

- a) Initializes a new Ansible role with default directory structure
- b) Initializes a new Ansible role with default tasks

- c) Initializes a new Ansible role with default metadata
- d) Initializes a new Ansible role with default variables

**Answer: a) Initializes a new Ansible role with default directory structure**

Explanation: The ``ansiblegalaxy role init`` command initializes a new Ansible role with the default directory structure and essential files.

40. Which command is used to create a new Ansible collection from scratch?

- a) ``ansiblegalaxy collection create``
- b) ``ansiblegalaxy collection new``
- c) ``ansiblegalaxy collection init``
- d) ``ansiblegalaxy collection build``

**Answer: a) ``ansiblegalaxy collection create``**

Explanation: The ``ansiblegalaxy collection create`` command creates a new Ansible collection from scratch, providing options to specify its structure and initial content.



NETWORK JOURNEY