

Ansible Tutorial Part 6 – Ansible Import & Include with Parallelism

Ansible Import & Include

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- There are 2 operations that Ansible can use to bring content into a playbook – include & import.
- When we **include** content, it is a dynamic operation. Ansible processes included content during the runtime of the playbook.
- When we **import** content, it is static operation. Ansible processes imported content when the playbook is initially parsed before the run starts.
- The **import_playbook** directive allows us to import external files containing list of plays into a playbook. The content being imported is a complete playbook, the **import_playbook** directive can only be used at the top level of the playbook and cannot be used inside a play

- name: Prepare the web server
import_playbook: web.yml

- name: Prepare the database server
import_playbook: db.yml

- We can import or include a list of tasks from a task file into a play.

Ansible Parallelism

- Parallelism means Parallel execution of tasks.
- For Parallel execution, the tasks will not be executed concurrently i.e one by one. In case we have 3 tasks to be executed, all 3 tasks will be executed parallelly on the managed hosts.
- The parameter used in parallelism is The forks parameter controls how many hosts are configured by Ansible in parallel. By default, the forks parameter in Ansible is set to 5. This means that only 5 hosts will be configured at the same time.
- In case of **rolling updates** where we cannot execute a task on all managed hosts, may be to avoid downtime for application/database, we can make use of **serial**

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