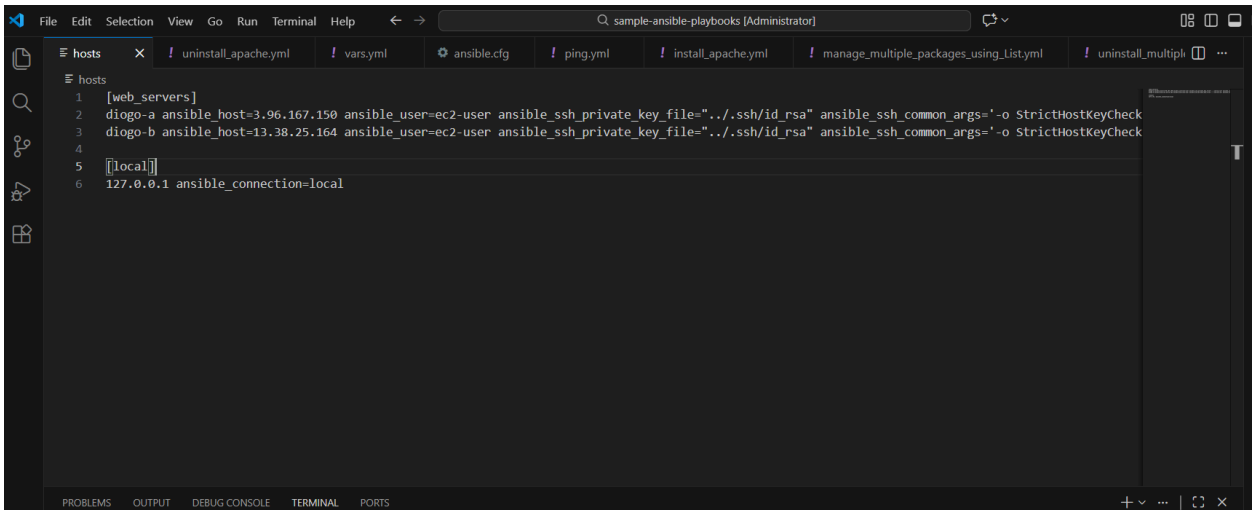
LAB | Lists and Dictionaries in Ansible Playbooks



Task 1: Using Lists as Variables

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vijayagagla@DESKTOP-FP4OP26:~/sample-ansible-playbooks$ ansible-playbook manage_multiple_packages_using_List.yml

PLAY [Manage Multiple Packages on Servers] *************************************************************

TASK [Gathering Facts] *********************************************************************************
ok: [127.0.0.1]

TASK [Install multiple packages] ***********************************************************************


TASK [Install multiple packages] ***********************************************************************
changed: [127.0.0.1] => (item=apache2)
changed: [127.0.0.1] => (item=postgresql)

TASK [Start multiple services] *************************************************************************
changed: [127.0.0.1] => (item=apache2)
changed: [127.0.0.1] => (item=postgresql)

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TASK [Start multiple services] *************************************************************************
TASK [Start multiple services] *************************************************************************
ok: [127.0.0.1] => (item=apache2)
changed: [127.0.0.1] => (item=postgresql)
ok: [127.0.0.1] => (item=apache2)
changed: [127.0.0.1] => (item=postgresql)
```

```
TASK [Start multiple services] *************************************************************************
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ok: [127.0.0.1] => (item=apache2)
changed: [127.0.0.1] => (item=postgresql)
ok: [127.0.0.1] => (item=apache2)
changed: [127.0.0.1] => (item=postgresql)
changed: [127.0.0.1] => (item=postgresql)

PLAY RECAP *********************************************************************************************
127.0.0.1                  : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

vijayagagla@DESKTOP-FP4OP26:~/sample-ansible-playbooks$
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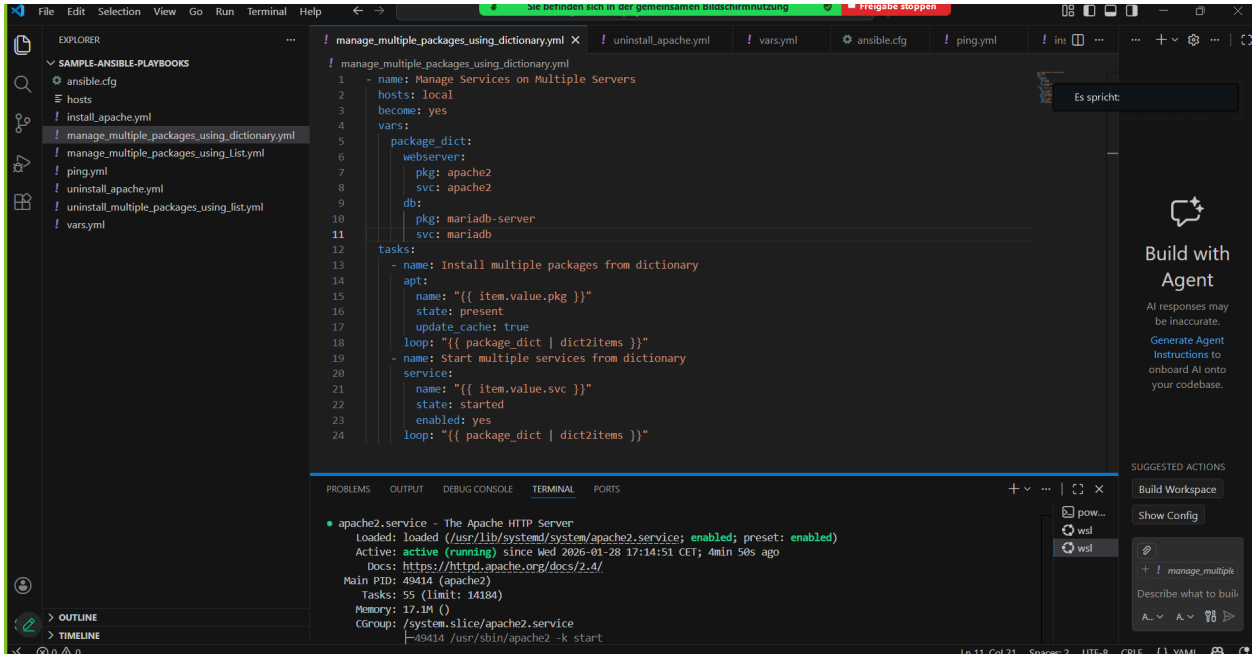
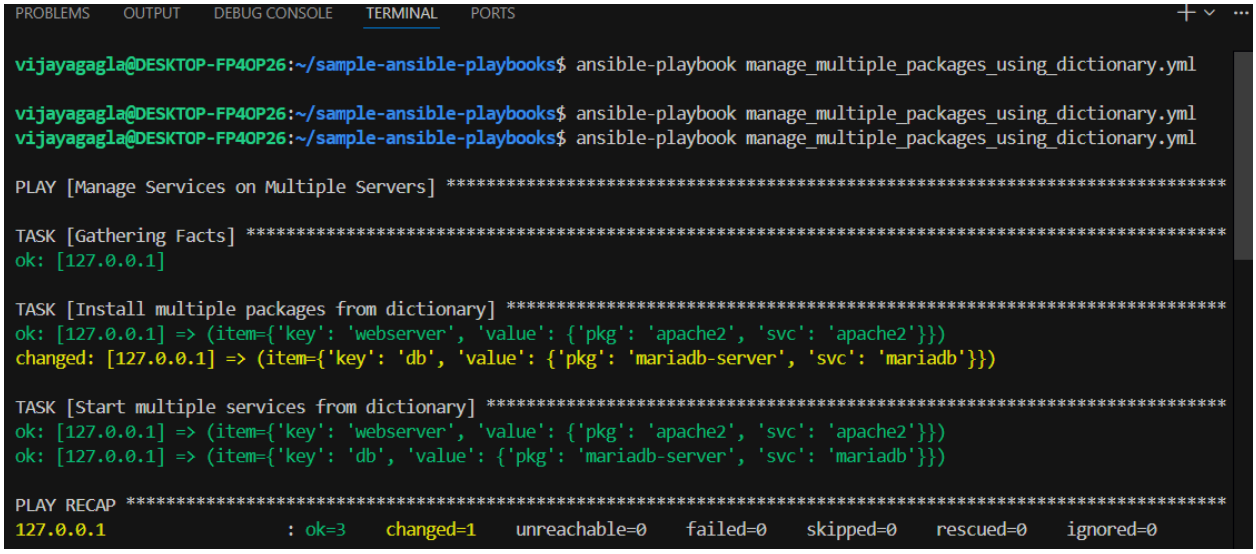
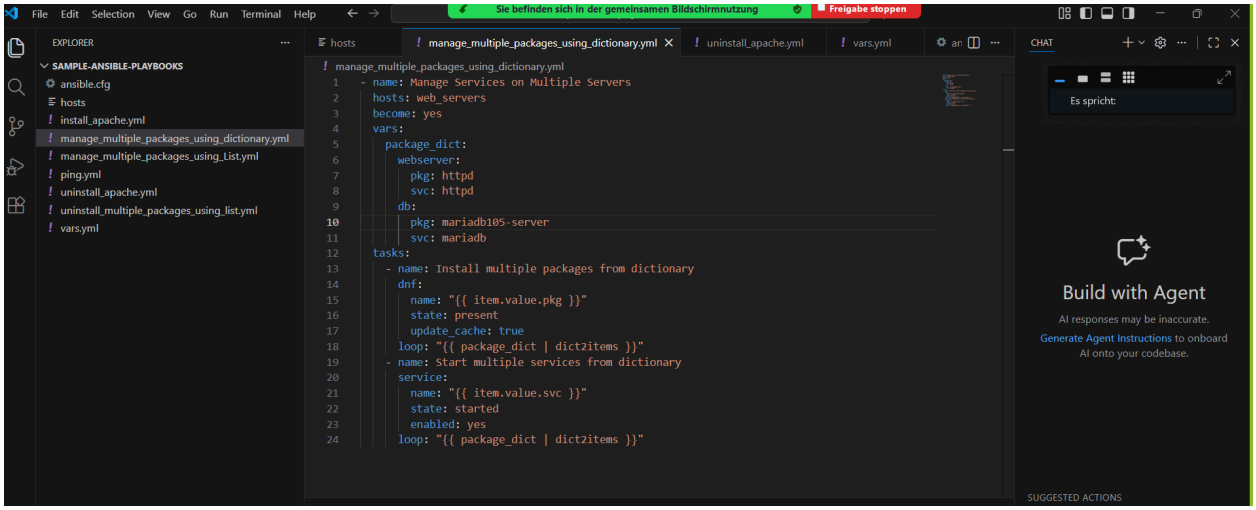
Task 2: Using Dictionaries as Variables





On Remote Servers:

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vijayagagla@DESKTOP-FP4OP26:~/sample-ansible-playbooks$ ansible-playbook manage_multiple_packages_using_
dictionary.yml

PLAY [Manage Services on Multiple Servers] ************************************************************

TASK [Gathering Facts] ********************************************************************************
[WARNING]: Platform linux on host diogo-b is using the discovered Python interpreter at
/usr/bin/python3.9, but future installation of another Python interpreter could change the meaning of
that path. See https://docs.ansible.com/ansible-
core/2.16/reference_appendices/interpreter_discovery.html for more information.
ok: [diogo-b]
[WARNING]: Platform linux on host diogo-a is using the discovered Python interpreter at
/usr/bin/python3.9, but future installation of another Python interpreter could change the meaning of
that path. See https://docs.ansible.com/ansible-
core/2.16/reference_appendices/interpreter_discovery.html for more information.
ok: [diogo-a]

TASK [Install multiple packages from dictionary] ******************************************************
ok: [diogo-b] => (item={'key': 'webserver', 'value': {'pkg': 'httpd', 'svc': 'httpd'}})
ok: [diogo-a] => (item={'key': 'webserver', 'value': {'pkg': 'httpd', 'svc': 'httpd'}})
changed: [diogo-b] => (item={'key': 'db', 'value': {'pkg': 'mariadb105-server', 'svc': 'mariadb'}})
ok: [diogo-a] => (item={'key': 'db', 'value': {'pkg': 'mariadb105-server', 'svc': 'mariadb'}})
```

```
TASK [Start multiple services from dictionary] ********************************************************
ok: [diogo-b] => (item={'key': 'webserver', 'value': {'pkg': 'httpd', 'svc': 'httpd'}})
changed: [diogo-b] => (item={'key': 'db', 'value': {'pkg': 'mariadb105-server', 'svc': 'mariadb'}})
changed: [diogo-b] => (item={'key': 'db', 'value': {'pkg': 'mariadb105-server', 'svc': 'mariadb'}})
ok: [diogo-a] => (item={'key': 'webserver', 'value': {'pkg': 'httpd', 'svc': 'httpd'}})
ok: [diogo-a] => (item={'key': 'db', 'value': {'pkg': 'mariadb105-server', 'svc': 'mariadb'}})


PLAY RECAP ********************************************************************************************
diogo-a                    : ok=3    changed=0    unreachable=0    failed=0    skipped=0    rescued=0
 ignored=0
diogo-b                    : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0
 ignored=0
```