



**Санкт-Петербургское государственное бюджетное
профессиональное образовательное учреждение
«Радиотехнический колледж»**

ОТЧЕТ

по практической работе №9

на тему: «Основы Ansible Playbook»

**по учебной практике УП.03 Эксплуатация объектов сетевой
инфраструктуры**

специальность 09.02.06 Сетевое и системное администрирование

Выполнил: студент группы С1-21
Морев Егор Игоревич

Проверил: преподаватель
Дубровин Виталий Александрович

Санкт-Петербург
2025

Цель работы: отработка практических навыков.

Осваиваемые компетенции: ПК 3.1, ПК 3.2, ПК 3.3, ПК 3.4, ПК 3.5, ПК 3.6.

```
GNU nano 7.2 play-1.yml
- hosts: all
  tasks:
    - name: Проверка соединения с Manage node
      ping:
```

```
[root@Controlmachine Project]# ansible-playbook play-1.yml -i /etc/ansible/demo

PLAY [all] *********************************************************************

TASK [Gathering Facts] *********************************************************
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Проверка соединения с Manage node] *************************************
ok: [55.55.0.1]
ok: [172.16.100.2]

PLAY RECAP *********************************************************************
172.16.100.2      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
55.55.0.1        : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

```
GNU nano 7.2 play-2.yml
- hosts: all
  become: yes
  tasks:
    - name: Обновление индекса пакетов
      apt:
        update_cache: yes
    - name: Обновление всех пакетов
      apt:
        upgrade: dist
```

```
[root@Controlmachine Project]# ansible-playbook play-2.yml -i /etc/ansible/demo -K
BECOME password:

PLAY [all] *****

TASK [Gathering Facts] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Обновление индекса пакетов] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

PLAY RECAP *****
172.16.100.2      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
55.55.0.1        : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

GNU nano 7.2

play-3.yml

```
- hosts: all
  tasks:
    - name: Сбор информации о системе
      setup:

    - name: Запись информации в файл
      copy:
        content: "{{ ansible_facts | to_nice_json }}"
        dest: ~/ansible-facts-10.json
```

```
[root@Controlmachine Project]# ansible-playbook play-3.yml -i /etc/ansible/demo

PLAY [all] *****

TASK [Gathering Facts] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Сбор информации о системе] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Запись информации в файл] *****
changed: [55.55.0.1]
changed: [172.16.100.2]

PLAY RECAP *****
172.16.100.2      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
55.55.0.1        : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

```

- hosts: all
  tasks:
    - name: Создание папки Project10
      file:
        path: ~/Project10
        state: directory

    - name: Создание папки Ansible10
      file:
        path: ~/Ansible10
        state: directory

```

```

[root@Controlmachine Project]# ansible-playbook play-4.yml -i /etc/ansible/demo -K
BECOME password:

```

```

PLAY [all] *****

TASK [Gathering Facts] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Создание папки Project10] *****
changed: [55.55.0.1]
changed: [172.16.100.2]

TASK [Создание папки Ansible10] *****
changed: [55.55.0.1]
changed: [172.16.100.2]

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

```

```

- hosts: all
  tasks:
    - name: Копирование project.txt в Project10
      copy:
        src: ~/project.txt
        dest: ~/Project10/project.txt

    - name: Копирование ansible.txt в Ansible10
      copy:
        src: ~/ansible.txt
        dest: ~/Ansible10/ansible.txt

```

```
[root@Controlmachine Project]# ansible-playbook play-5.yml -i /etc/ansible/demo -K
BECOME password:

PLAY [all] *****

TASK [Gathering Facts] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Копирование project.txt в Project10] *****
changed: [55.55.0.1]
changed: [172.16.100.2]

TASK [Копирование ansible.txt в Ansible10] *****
changed: [55.55.0.1]
changed: [172.16.100.2]

PLAY RECAP *****
172.16.100.2      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
55.55.0.1        : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

```
GNU nano 7.2                                     play-6.yml
- hosts: all
  become: yes
  tasks:
    - name: Установка cowsay
      apt:
        name: cowsay
        state: present
    - name: Установка cmatrix
      apt:
        name: cmatrix
        state: present
```

```
[root@Controlmachine Project]# ansible-playbook play-6.yml -i /etc/ansible/demo -K
BECOME password:

PLAY [all] *****

TASK [Gathering Facts] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Установка cowsay] *****
changed: [55.55.0.1]
changed: [172.16.100.2]

TASK [Установка cmatrix] *****
changed: [55.55.0.1]
changed: [172.16.100.2]

PLAY RECAP *****
172.16.100.2      : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
55.55.0.1        : ok=3    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

```

- hosts: all
  become: yes
  tasks:
    - name: Установка Apache2
      dnf:
        name: httpd
        state: present
        become: true
    - name: Включение httpd
      service:
        name: httpd
        state: started
        enabled: yes
    - name: Открытие порта в firewall
      firewallld:
        service: http
        permanent: yes
        state: enabled

```

```

[root@Controlmachine Project]# ansible-playbook play-7.yml -i /etc/ansible/demo -K
BECOME password:

PLAY [all] *****

TASK [Gathering Facts] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Установка Apache2] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Включение httpd] *****
changed: [55.55.0.1]
changed: [172.16.100.2]

TASK [Открытие порта в firewall] *****
changed: [172.16.100.2]
changed: [55.55.0.1]

PLAY RECAP *****
172.16.100.2      : ok=4    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
55.55.0.1        : ok=4    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

```

```

[root@Controlmachine Project]# ansible-playbook play-8.yml -i /etc/ansible/demo -K
BECOME password:

PLAY [Настройка веб-страницы] *****

TASK [Gathering Facts] *****
ok: [55.55.0.1]
ok: [172.16.100.2]

TASK [Создание персональной страницы] *****
changed: [55.55.0.1]
changed: [172.16.100.2]

PLAY RECAP *****
172.16.100.2      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
55.55.0.1        : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

```

Вывод: отработал практические навыки.