



**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

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Практическая работа №9

Основы Ansible Playbook

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.

Задание.

```
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
```

```
GNU nano 7.2 play-4.yml
- 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
```

GNU nano 7.2

play-5.yml

```
- 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
```

```

- 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
```

```
GNU nano 7.2 /Project/play-8.yml
- name: Настройка веб-страницы
  hosts: all
  become: yes
  tasks:
    - name: Создание персональной страницы
      copy:
        content: |
          <html>
          <head>
            <title>Моя страница</title>
          </head>
          <body>
            <h1>Информация о студенте</h1>
            <p>Фамилия: Кульбезеков</p>
            <p>Имя: Владислав</p>
            <p>Группа: С1-21</p>
          </body>
          </html>
        dest: /var/www/html/index.html
```

```
[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.