








# Лабораторная 2

абсолютно вся работа сделана на удаленном хосте

```
nika@compute-vm-2 ~ (0.123s)
uname -a
Linux compute-vm-2 5.15.0-133-generic #144-Ubuntu SMP Fri Feb 7 20:47:38 UTC 2025 x86_64 x86_64 x86_64 GNU/Linux

nika@compute-vm-2 ~   Dispatch    
apt install net-tools 
```

## 1. Установка и настройка Ansible

```
nika@compute-vm-2 ~/inventory (0.738s)
ansible my_servers -i ~/inventory/hosts -m ping -c local

[WARNING]: Platform linux on host localhost is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
localhost | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.10"
  },
  "changed": false,
  "ping": "pong"
}

nika@compute-vm-2 ~/inventory (1.728s)
ansible my_servers -i ~/inventory/hosts -m setup -c local

[WARNING]: Platform linux on host localhost is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
localhost | SUCCESS => {
  "ansible_facts": {
    "ansible_all_ipv4_addresses": [
      "10.130.0.7"
    ],
    "ansible_all_ipv6_addresses": [
      "fe80::d20d:16ff:fe9e:d94b"
    ],
    "ansible_apparmor": {
      "status": "enabled"
    },
    "ansible_architecture": "x86_64",
    "ansible_bios_date": "04/01/2014",
    "ansible_bios_vendor": "SeaBIOS",
    "ansible_bios_version": "1.16.3-1",
    "ansible_board_asset_tag": "NA",
    "ansible_board_name": "xeon-gold-6338",
    "ansible_board_serial": "NA",
    "ansible_board_vendor": "Yandex",
    "ansible_board_version": "pc-q35-yc-2.12",
    "ansible_chassis_asset_tag": "NA",
    "ansible_chassis_serial": "NA",
```

После команды `ansible my_servers -c local -m shell -a 'echo test_file_content > $HOME/test.txt'` появился файл с содержимым

```
nika@compute-vm-2 ~/inventory (0.735s)
ansible my_servers -c local -i ~/inventory/hosts -m shell -a 'echo test_file_content > /home/nika/test.txt'

[WARNING]: Platform linux on host localhost is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could
change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
localhost | CHANGED | rc=0 >>

nika@compute-vm-2 ~/inventory (0.09s)
cd

nika@compute-vm-2:~/ (0.091s)
ls
ansible.cfg  get-pip.py  inventory  test.txt

nika@compute-vm-2 ~ (0.092s)
cat test.txt
test_file_content
```

Затем файл был успешно удален

```

nika@compute-vm-2 ~ (0.745s)
ansible my_servers -c local -i ~/inventory/hosts -m file -a 'path=$HOME/test.txt state=absent'
[WARNING]: Platform linux on host localhost is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could
change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
localhost | CHANGED => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.10"
  },
  "changed": true,
  "path": "/home/nika/test.txt",
  "state": "absent"
}

nika@compute-vm-2:~ (0.1s)
ls
ansible.cfg  get-pip.py  inventory

```

## 2. Установка Caddy

Успешно создан tree

```

nika@compute-vm-2 ~ (0.169s)
tree roles
roles
├── caddy_deploy
│   ├── README.md
│   ├── defaults
│   │   └── main.yml
│   ├── files
│   ├── handlers
│   │   └── main.yml
│   ├── meta
│   │   └── main.yml
│   ├── tasks
│   │   └── main.yml
│   ├── templates
│   ├── tests
│   │   ├── inventory
│   │   └── test.yml
│   └── vars
│       └── main.yml

```

9 directories, 8 files

Запуск плейбука и проверка его работоспособности:

```
nik@compute-vm-2 ~ (51.274s)
ansible-playbook caddy_deploy.yml

PLAY [Install and configure Caddy webserver] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host localhost is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of another Python interpreter could
change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [localhost]

TASK [caddy_deploy : Install prerequisites] *****
ok: [localhost]

TASK [caddy_deploy : Add key for Caddy repo] *****
ok: [localhost]

TASK [caddy_deploy : add Caddy repo] *****
changed: [localhost]

TASK [caddy_deploy : add Caddy src repo] *****
changed: [localhost]

TASK [caddy_deploy : Install Caddy webserver] *****
changed: [localhost]

PLAY RECAP *****
localhost : ok=6 changed=3 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

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nik@compute-vm-2 ~ (0.111s)
service caddy status
● caddy.service - Caddy
   Loaded: loaded (/lib/systemd/system/caddy.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2025-03-05 10:14:17 UTC; 24s ago
     Docs: https://caddyserver.com/docs/
```

3. Регистрация домена и настройка caddyfile

domains 1/5

http// sub domain .duckdns.org add domain

domain	current ip	ipv6	changed
lab-nas	130.193.35.191 <span>update ip</span>	ipv6 address <span>update ipv6</span>	1 minute ago <span>delete domain</span>

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```
nika@compute-vm-2 ~/roles/caddy_deploy/templates (0.108s)
ls

nika@compute-vm-2 ~/roles/caddy_deploy/templates (1m 58.51s)
vim Caddyfile.j12

nika@compute-vm-2 ~/roles/caddy_deploy/templates (0.102s)
cd ../vars

nika@compute-vm-2 ~/roles/caddy_deploy/vars (0.099s)
ls
main.yml

nika@compute-vm-2 ~/roles/caddy_deploy/vars (3m 1.28s)
vim main.yml
```

```
nika@compute-vm-2 ~ (0.635s)
ansible-playbook caddy_deploy.yml --list-tasks

playbook: caddy_deploy.yml

play #1 (my_servers): Install and configure Caddy webserver TAGS: []
tasks:
  caddy_deploy : Install prerequisites TAGS: []
  caddy_deploy : Add key for Caddy repo TAGS: []
  caddy_deploy : add Caddy repo TAGS: []
  caddy_deploy : add Caddy src repo TAGS: []
  caddy_deploy : Install Caddy webserver TAGS: []
  caddy_deploy : Create config file TAGS: []
  caddy_deploy : Reload with new config TAGS: []
```

После всех действий - домен доступен по https

