**Установка Docker на локальном PC:**

[How to Use Ansible to Install and Set Up Docker on Ubuntu 20.04 | DigitalOcean](https://www.digitalocean.com/community/tutorials/how-to-use-ansible-to-install-and-set-up-docker-on-ubuntu-20-04)

[How to Use Ansible to Install and Set Up Docker on Ubuntu 20.04 - Real Time Cloud Services LLC (acecloudhosting.com)](https://customer.acecloudhosting.com/index.php/knowledgebase/169/How-to-Use-Ansible-to-Install-and-Set-Up-Docker-on-Ubuntu-20.04.html?language=dutch)

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- hosts: all

become: true

vars:

container\_count: 4

default\_container\_name: docker

default\_container\_image: ubuntu

default\_container\_command: sleep 1d

tasks:

- name: Install aptitude

apt:

name: aptitude

state: latest

update\_cache: true

- name: Install required system packages

apt:

pkg:

- apt-transport-https

- ca-certificates

- curl

- software-properties-common

- python3-pip

- virtualenv

- python3-setuptools

state: latest

update\_cache: true

- name: Add Docker GPG apt Key

apt\_key:

url: https://download.docker.com/linux/ubuntu/gpg

state: present

- name: Add Docker Repository

apt\_repository:

repo: deb https://download.docker.com/linux/ubuntu focal stable

state: present

- name: Update apt and install docker-ce

apt:

name: docker-ce

state: latest

update\_cache: true

- name: Install Docker Module for Python

pip:

name: docker

- name: Pull default Docker image

community.docker.docker\_image:

name: "{{ default\_container\_image }}"

source: pull

- name: Create default containers

community.docker.docker\_container:

name: "{{ default\_container\_name }}{{ item }}"

image: "{{ default\_container\_image }}"

command: "{{ default\_container\_command }}"

state: present

with\_sequence: count={{ container\_count }}

**Установка MySQL:**

[How To Install MYSQL Using Ansible Playbook ? - GeeksforGeeks](https://www.geeksforgeeks.org/how-to-install-mysql-using-ansible-playbook/)

[Automate a MySQL Install and Database - The Urban Penguin](https://www.theurbanpenguin.com/automate-a-mysql-install-and-database/)

**Установка NGINX:**

<https://blog.amet13.name/2016/02/ansible-playbook-nginx.html>

[medium.com](https://medium.com/@JleeCloudEngineer/how-to-install-nginx-using-ansible-playbook-on-ubuntu-vm-to-display-custom-html-page-fe8e7be4b1bc)

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- hosts: myServers

become: yes

tasks:

- name: Installs Nginx r

apt:

pkg: nginx

state: installed

update\_cache: true

notify: start nginx

handlers:

- name: start nginx

service:

name: nginx

state: started

**Факты о хосте в файл:**

- name: save all facts to host specific file

copy:

content: "{{ ansible\_delegated\_vars[inventory\_hostname].vars | to\_nice\_json }}"

dest: "{{ playbook\_dir }}/{{ ansible\_fqdn }}"

delegate\_to: localhost

**Удаление существующего index.html и создание пустого:**

- hosts: webserver

tasks:

- name: Delete file

file:

path: /var/www/html/index.html

state: absent

- name: Create empty index.html file

file:

path: /var/www/html/index.html

state: touch