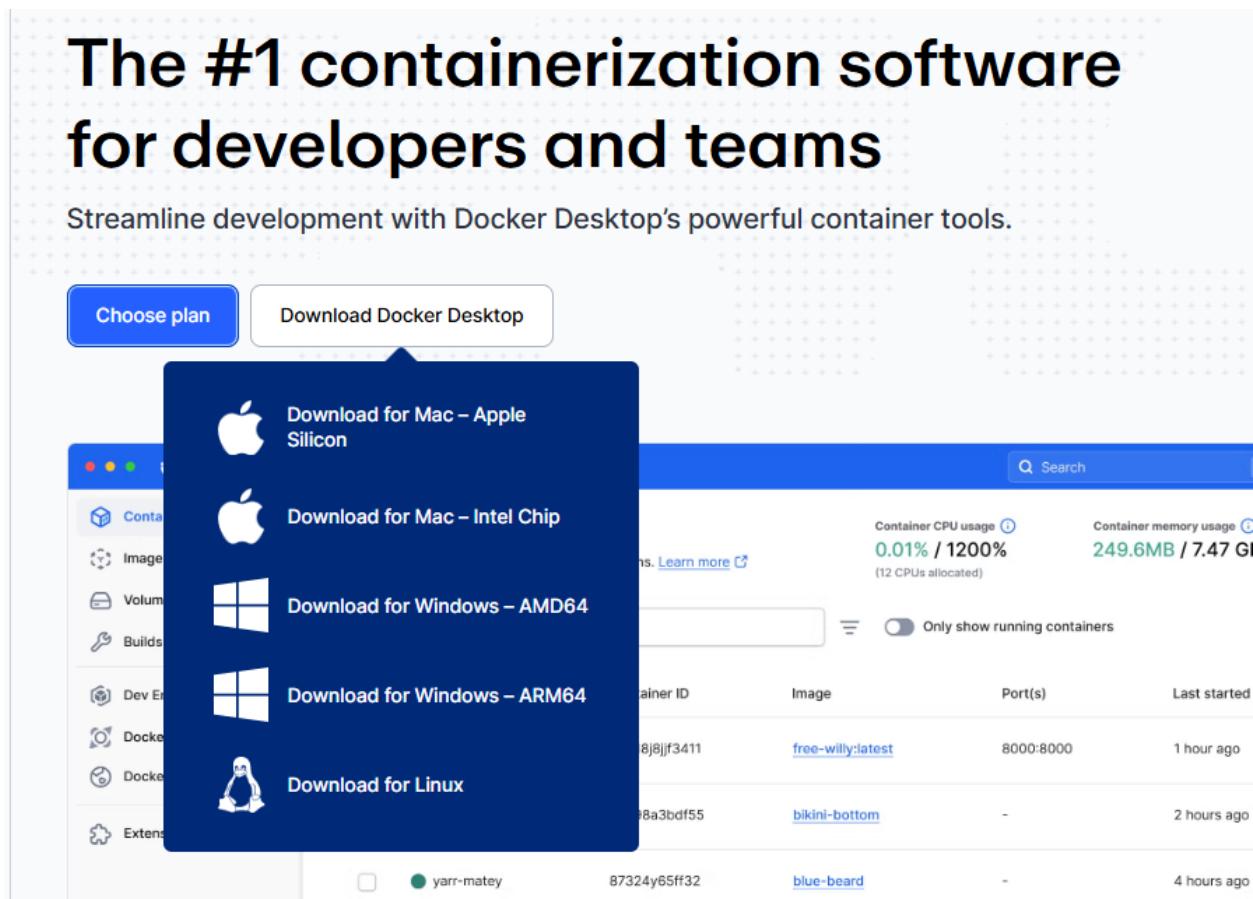


УСТАНОВКА DOCKER В ОС MS WINDOWS

Цель работы – установить docker в MS Windows и добавить в него контейнер nginx.

1. Устанавливаем Docker Desktop с официального сайта (У меня для AMD64).



2. Проверяем наличие docker на ПК:

```
C:\Users\senya>docker
Usage: docker [OPTIONS] COMMAND

A self-sufficient runtime for containers

Common Commands:
  run      Create and run a new container from an image
  exec    Execute a command in a running container
  ps      List containers
  build   Build an image from a Dockerfile
  bake    Build from a file
  pull    Download an image from a registry
  push    Upload an image to a registry
  images  List images
  login   Authenticate to a registry
  logout  Log out from a registry
  search  Search Docker Hub for images
  version Show the Docker version information
  info    Display system-wide information

Management Commands:
  ai*     Docker AI Agent - Ask Gordon
  builder Manage builds
  buildx* Docker Buildx
  checkpoint Manage checkpoints
  compose* Docker Compose
  container Manage containers
```

3. Добавляем nginx в платформу docker.desktop

```
C:\Windows\System32>docker run -d -p 8080:80 nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
5b5fa0b64d74: Pull complete
ee3a09d2248a: Pull complete
9ee60c6c0558: Pull complete
1733a4cd5954: Pull complete
7382b41547b8: Pull complete
5b219a92f92a: Pull complete
114e699da838: Pull complete
11488ed04caf: Download complete
adeb5aba46ee: Download complete
Digest: sha256:fb01117203ff38c2f9af91db1a7409459182a37c87cced5cb442d1d8fcc66d19
Status: Downloaded newer image for nginx:latest
dca0f2307ec42866348de5099ef848b35b8af13dc469960c99927ab9956a4d7e

C:\Windows\System32>
```

4. Список контейнеров:

```
C:\Windows\System32>docker ps
CONTAINER ID        IMAGE       COMMAND
NAMES
dca0f2307ec4      nginx      "/docker-entrypoint...."
About a minute ago   Up About a minute   0.0.0.0:8080->80/tcp, [::]:80
80->80/tcp          sleepy_noxye

C:\Windows\System32>
```

5. Открываем созданный контейнер на платформе:

The screenshot shows the Docker Desktop application window. On the left, a sidebar menu includes 'Containers' (which is selected and highlighted in grey), 'Images', 'Volumes', 'Kubernetes', 'Builds', 'Models', 'MCP Toolkit', 'Docker Hub', 'Docker Scout', and 'Extensions'. The main central area is titled 'Containers' and displays container usage statistics: 'Container CPU usage 0.00% / 1200%' and 'Container memory usage 10.44MB / 7.54GB'. Below this is a search bar and a toggle switch for 'Only show running containers'. A table lists the single running container: Name: 'sleepy_noxye', Container ID: 'dca0f2307ec4', Image: 'nginx', Port(s): '8080:80', and CPU (%): '0%'. To the right of the table are icons for actions like edit, stop, start, and delete. At the bottom of the main area, there's a 'Walkthroughs' section with two cards: 'Multi-container applications' (8 mins) and '\$ docker init' (3 mins). The status bar at the bottom indicates 'Engine running', system resources ('RAM 2.67 GB CPU 0.00%', 'Disk: 1.60 GB used (limit 1006.85 GB)'), and the version 'v4.54.0'.

Результат:

The screenshot shows a web browser window with the URL 'localhost:8080' in the address bar. The page content is the standard 'Welcome to nginx!' page, which includes a brief description of the server, links to the official website and support, and a thank you message. The browser's toolbar and status bar are visible at the top and bottom respectively.