



МИНОБРНАУКИ РОССИИ

**Федеральное государственное бюджетное образовательное учреждение
высшего образования**

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Кафедра КБ-14 «Интеллектуальные системы информационной безопасности»

Администрирование баз данных

Практическая работа № 4

ОТЧЁТ

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Выполнение задания 1.

1-3. Создавать будем wsl2 инстансы. Будет один мастер и один worker. На мастере пропишем команду **docker swarm init**.

```
→MIREA_database_administration (main) X docker swarm init
Swarm initialized: current node (tzbx1lf2t64xzou5pwtxipl) is now a manager.

To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-0l2vwjz0yykLxrenz13qgo37zidv7wpainvh3nalui04vnqrh7-1mpn1tfcjytj475ood88pqsu5 172.21.56.125:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.
```

получаем команду для инициализации воркер ноды. Теперь заходим на другой инстанс и прописываем туда команду

```
wallseat@swifty:~$ docker swarm join --token SWMTKN-1-0l2vwjz0yykLxrenz13qgo37zidv7wpainvh3nalui04vnqrh7-1mpn1tfcjytj475ood88pqsu5 172.21.56.125:2377
This node joined a swarm as a worker.
wallseat@swifty:~$ _
```

кластер успешно создан.

4-5.

```
→MIREA_database_administration (main) X docker service create nginx:latest
ptti082k7kwhz1cchws4wv9xj
overall progress: 1 out of 1 tasks
1/1: running [=====>]
verify: Service converged
→MIREA_database_administration (main) X docker service ls
ID            NAME                MODE                REPLICAS    IMAGE           PORTS
ptti082k7kwh  heuristic_wozniak    replicated          1/1         nginx:latest
→MIREA_database_administration (main) X _
```

Выполнение задания 2.

1. Сделано в задании 1.

2-3.

```
● → MIREA_database_administration (main) X docker service scale nginx=3
nginx scaled to 3
overall progress: 3 out of 3 tasks
1/3: running [=====>]
2/3: running [=====>]
3/3: running [=====>]
verify: Service converged
● → MIREA_database_administration (main) X docker service ls


| ID           | NAME  | MODE       | REPLICAS | IMAGE        | PORTS |
|--------------|-------|------------|----------|--------------|-------|
| igtubefqjqt3 | nginx | replicated | 3/3      | nginx:latest |       |


```

4.

```
igtubefqjqt3 nginx replicated 3/3 nginx:latest
● → MIREA_database_administration (main) X docker service scale nginx=5
nginx scaled to 5
overall progress: 5 out of 5 tasks
1/5: running [=====>]
2/5: running [=====>]
3/5: running [=====>]
4/5: running [=====>]
5/5: running [=====>]
verify: Service converged
● → MIREA_database_administration (main) X docker service ls


| ID           | NAME  | MODE       | REPLICAS | IMAGE        | PORTS |
|--------------|-------|------------|----------|--------------|-------|
| igtubefqjqt3 | nginx | replicated | 5/5      | nginx:latest |       |


○ → MIREA_database_administration (main) X _
```

5-6.

```
● → MIREA_database_administration (main) X docker service update nginx
nginx
overall progress: 5 out of 5 tasks
1/5: running [=====>]
2/5: running [=====>]
3/5: running [=====>]
4/5: running [=====>]
5/5: running [=====>]
verify: Service converged
● → MIREA_database_administration (main) X docker service ls


| ID           | NAME  | MODE       | REPLICAS | IMAGE        | PORTS |
|--------------|-------|------------|----------|--------------|-------|
| igtubefqjqt3 | nginx | replicated | 5/5      | nginx:latest |       |


○ → MIREA_database_administration (main) X _
```