# Московский государственный технический университет им. Н. Э. Баумана

Факультет «Информатика и системы управления»

Кафедра ИУ5. Курс «	Автоматизация разработки и эксплуатации 🛚	ПО»
Отч	ет по домашнему заданию №2	

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Дата: 02.12.2022	Дата:
Подпись:	Подпись:

Выполнил:

Проверил:

## План и задачи лабораторной работы:

- 1. Поднять кластер и установить тестовую базу данных
- 2. Подготовить работу приложений
- 3. Установить балансировщик нагрузки nginx используя ad-hoc команды
- 4. Добавить еще один экземпляр 6\_арр\_4

### Ход выполнения работы:

1. Поднять кластер и установить тестовую базу данных

```
ansible@devopsiu5:~/Lab6$ docker-compose up -d --scale app=3
Creating network "lab6_default" with the default driver
WARNING: The "app" service specifies a port on the host. If multiple containers fo
r this service are created on a single host, the port will clash.
Creating lab6_app_1 ... done
Creating lab6_app_2 ... done
Creating lab6_app_3 ... done
Creating lab6_ansible_1 ... done
```

```
lab6_app_3 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
lab6_app_1 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
lab6_app_2 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
lab6_ansible_1 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
lab6_ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
```

```
lab6_app_1 | CHANGED | rc=0 >>
    13:33:09 up 1:29, 1 user, load average: 0.50, 0.22, 0.28
lab6_app_2 | CHANGED | rc=0 >>
    13:33:09 up 1:29, 1 user, load average: 0.50, 0.22, 0.28
lab6_app_3 | CHANGED | rc=0 >>
    13:33:09 up 1:29, 1 user, load average: 0.50, 0.22, 0.28
lab6_ansible_1 | CHANGED | rc=0 >>
    13:33:09 up 1:29, 1 user, load average: 0.50, 0.22, 0.28
```

## 2. Подготовить работу приложений

```
root@17bc237af5c8:/# ansible application -a "curl localhost:5000" -m shell
[WARNING]: Consider using the get url or uri module rather than running 'curl'.
If you need to use command because get url or uri is insufficient you can add
'warn: false' to this command task or set 'command warnings=False' in ansible.cfg
to get rid of this message.
lab6 app 2 | CHANGED | rc=0 >>
{"6lc27lcl38f0": [{"message": "Ansible To Do List"}, {"message": "Get ready"}, {"m
essage": "Ansible is fun"}]} % Total
                                       % Received % Xferd Average Speed Time
           Time Current
  Time
                                Dload Upload Total
                                                                Left Speed
                                                       Spent
lab6_app_1 | CHANGED | rc=0 >>
{"fdfb7b976c33": [{"message": "Ansible To Do List"}, {"message": "Get ready"}, {"m
essage": "Ansible is fun"}]} % Total
                                       % Received % Xferd Average Speed
           Time Current
                                Dload Upload Total
                                                       Spent
                                                                Left Speed
```

## 3. Установить балансировщик нагрузки nginx используя ad-hoc команды



## 4. Добавить еще один экземпляр 6 арр 4

```
lab6_app_2 | CHANGED | rc=0 >:
{"549fd99ed479": [{"message": "Ansible To Do List"}, {"message": "Get ready"}, {"message": "Ansible is fun"}]} % Total % Received % Xferd Average Speed Time
  Time
           Time Current
                                  Dload Upload Total
                                                           Spent
                                                                     Left Speed
100 110 100 110
                                             0 0:00:03 0:00:03 --:--
lab6_app_4 | CHANGED | rc=0 >>
{"e0852d803a27": [{"message": "Ansible To Do List"}, {"message": "Get ready"}, {"m
essage": "Ansible is fun"}]} % Total % Received % Xferd Average Speed
   Time
           Time Current
                                  Dload Upload Total
                                                           Spent
                                                                     Left Speed
                                              0 0:00:03 0:00:03 --:--:-
100 110 100 110
lab6 app 1 | CHANGED | rc=0 >>
{"dal36lldaab8": [{"message": "Ansible To Do List"}, {"message": "Get ready"}, {"m
essage": "Ansible is fun"}]} % Total
                                         % Received % Xferd Average Speed
            Time Current
                                  Dload Upload
                                                   Total
                                                           Spent
                                                                     Left Speed
```