Запускаємо три екземпляри logging service та записуємо 10 повідомлень:

```
Terminal: Local × Local(2) × Local(3) × Local(4) × Local(5) × Local(6) × + ✓

-->

(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg1" mssg1(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg3" mssg3(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg4" mssg4(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg5" mssg5(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg6" mssg6(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg7" mssg7(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg7" mssg8(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg9" mssg8(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg9" mssg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg9" mssg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg9" mssg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg9" psg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg9" psg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg10" psg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg10" psg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ psg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ psg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ psg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$
```

Дивимось на вміст консоль логінг сервісів:

```
Terminal: Local × Local(2) × Local(3) × Local(4) × Local(5) × Local(6) × + ✓

(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ cd logging-service

(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3/logging-service$ python logging_app.py 172.19.0.2:5701 8000

* Serving Flask app 'logging_app' (lazy loading)

* Environment: production

WARNING: This is a development server. Do not use it in a production deployment.

Use a production WSGI server instead.

* Debug mode: on

* Running on http://127.0.0.1:8000 (Press CTRL+C to quit)

* Restarting with stat

* Debugger is active!

* Debugger is active!

* Debugger PIN: 106-932-398

mssg7

127.0.0.1 - - [21/May/2022 20:14:00] "POST /logging HTTP/1.1" 200 -

* Version Control := TODO * Problems * Terminal * Python Packages * Python Console * Services

Packages installed successfully: Installed packages: 'psutil' (56 minutes ago)
```

```
Terminal: Local × Local (2) × Local (3) × Local (4) × Local (5) × Local (6) × + ▼

* Running on http://127.0.0.1:8002 (Press CTRL+C to quit)

* Restarting with stat

* Debugger is active!

* Debugger PIN: 106-932-398 mssg1

127.0.0.1 - - [21/May/2022 20:13:36] "POST /logging HTTP/1.1" 200 - mssg5

127.0.0.1 - - [21/May/2022 20:13:47] "POST /logging HTTP/1.1" 200 - mssg5

127.0.0.1 - - [21/May/2022 20:13:55] "POST /logging HTTP/1.1" 200 - mssg6

127.0.0.1 - - [21/May/2022 20:13:58] "POST /logging HTTP/1.1" 200 - mssg6

127.0.0.1 - - [21/May/2022 20:13:58] "POST /logging HTTP/1.1" 200 - mssg9

127.0.0.1 - - [21/May/2022 20:14:06] "POST /logging HTTP/1.1" 200 - mssg9

127.0.0.1 - - [21/May/2022 20:14:06] "POST /logging HTTP/1.1" 200 - mssg9

127.0.0.1 - - [21/May/2022 20:14:06] "POST /logging HTTP/1.1" 200 - mssg9

127.0.0.1 - - [21/May/2022 20:14:06] "POST /logging HTTP/1.1" 200 - mssg9

127.0.0.1 - - [21/May/2022 20:14:06] "POST /logging HTTP/1.1" 200 - mssg9

127.0.0.1 - - [21/May/2022 20:14:06] "POST /logging HTTP/1.1" 200 - mssg9

127.0.0.1 - - [21/May/2022 20:14:06] "POST /logging HTTP/1.1" 200 - mssg9

127.0.0.1 - - [21/May/2022 20:14:06] "POST /logging HTTP/1.1" 200 - mssg9

127.0.0.1 - - [21/May/2022 20:14:06] "POST /logging HTTP/1.1" 200 - mssg9
```

Ми можемо бачити що post запити розподіляються між логінг сервісами рандомно. Тепер спробуємо відправити GET запит:

```
Terminal: Local × Local(2) × Local(3) × Local(4) × Local(5) × Local(6) × + ✓

mssg5(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg6"
mssg6(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg7"
mssg7(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg9"
mssg8(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg9"
mssg9(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X POST http://127.0.0.1:8888/facade -d "mssg10"
(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X GET http://127.0.0.1:8888/facade
Logging-service response:
mssg1
mssg1
mssg3
mssg1
mssg1
mssg2
mssg3
mssg1
Mssg2
mssg10
Messages-service response: not implemented yet
(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$

**Python Packages **Python Console **Python Packages **Python Console **Pyth
```

Запит виконався успішно, ми отримали в розкинутому порядку повідомлення.

Консоль facade service:

```
Terminal: Local × Local(2) × Local(3) × Local(4) × Local(5) × Local(6) × + ▼

File "/home/zorya/Documents/APZ/LAB3/facade-service/facade_app.py", line 18, in check_port result = sock.connect_ex(('127.0.0.1', port))

TypeError: an integer is required (got type str)

* Detected change in '/home/zorya/Documents/APZ/LAB3/facade-service/facade_app.py', reloading

* Restarting with stat

* Debugger pIN: 186-932-398

127.0.0.1 - - [21/May/2022 20:13:36] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:13:43] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:13:43] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:13:55] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:13:55] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:13:55] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2022 20:14:00] "POST /facade HTTP/1.1" 200 - 127.0.0.1 - - [21/May/2
```

Тепер відключимо одну ноду і ще раз виконаємо GET запит:

```
Terminal: Local × Local(2) × Local(4) × Local(5) × Local(6) × + ✓

mssg3
mssg4
mssg2
mssg10
Messages-service response: not implemented yet
(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X GET http://127.8.8.1:8888/facade
Logging-service response:
mssg9
mssg9
mssg1
mssg1
mssg1
mssg1
mssg3
mssg1
mssg4
mssg2
mssg1
Messages-service response: not implemented yet
(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$

**Terminal**
**Python Packages**
**Python Console**
**Python Console**
**Python Console**
**Poervices**
**Poervice
```

Як ми бачимо все працює.

Спробуємо відключити ще одну ноду:

```
Terminal: Local × Local(2) × Local(5) × Local(6) × + ∨

mssg7
mssg6
mssg1

Messages-service response: not implemented yet
(venv) zorya@zorya-virtual-machine:~/Documents/APZ/LAB3$ curl -X 6ET http://127.0.0.1:8898/facade
Logging-service response:
mssg1
mssg9
mssg5
mssg3
mssg9
mssg8
mssg8
mssg8
mssg8
mssg8
mssg8
mssg8
mssg9
mssg6
Version Control III TODO  Problems III Terminal  Python Packages  Python Console  Services

P Packages installed successfully: Installed packages: 'psutil' (today 19:20)
```

Бачимо що всі повідомлення все ще присутні.

Якщо глянути на management center також видно що все добре:

