

# Laboratorium 1

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## Instrukcja:

1. Podłączenie się do Azure.
2. Wybranie konfiguracji.
3. Wywołanie ``./deploy.sh config_*.json``
  - Numer wybranej konfiguracji

## Konfiguracja 1.

### Wywołanie

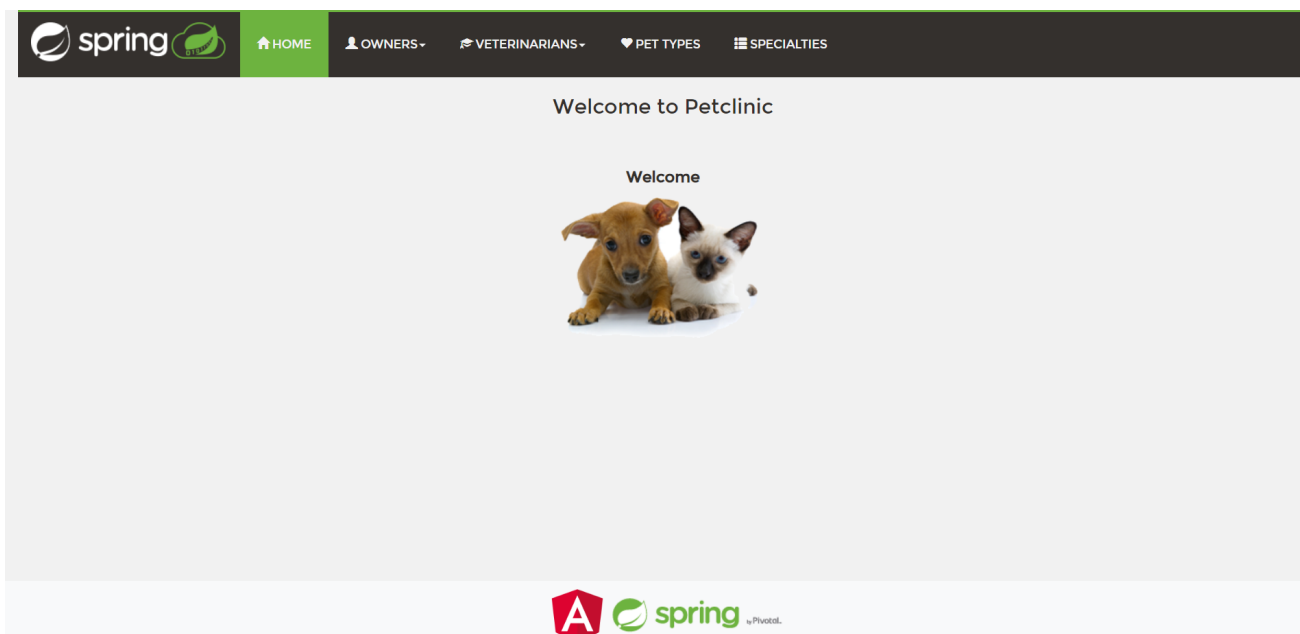
Komenda: ``./deploy.sh config_1.json``  
Instalacja przebiegła bez problemów.

### Próba połączenia

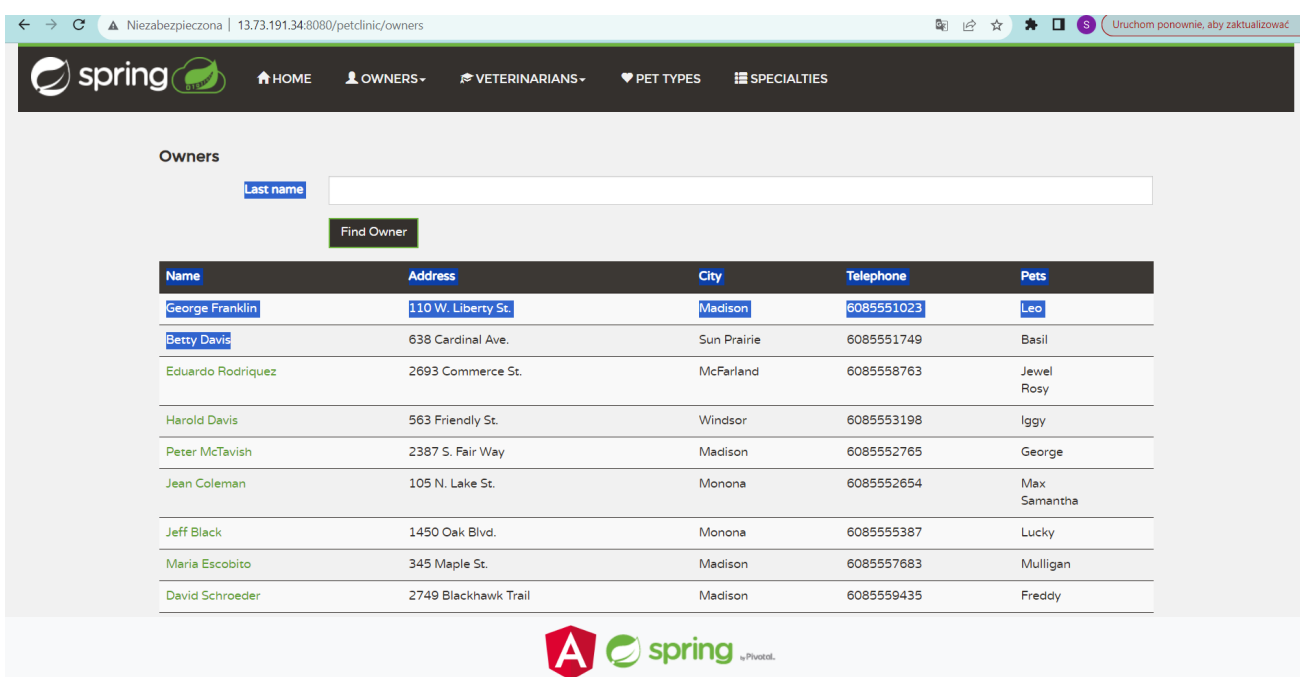
Instalacja stworzyła maszyny i przydzieliła im adresy IP.

### FrontEnd

Po wejściu na adres IP z odpowiednim portem wita nas strona początkowa.  
Frontend działa!



Następnie przechodzę na podstronę, aby przetestować połączenie z backendem, i również działa.



## Backend

Następnie wchodzę na adres serwera backendowego:  
<http://40.118.6.191:8080/petclinic/api/owners>  
 API działa poprawnie i odpowiada na zapytania.

```
← → ↻ ⚠ Niebezpieczona | 40.118.6.191:8080/petclinic/api/owners 🔍 📄 ☆ ⚙️ 📱 S Uruchom ponownie, aby zaktualizować ⓘ

[{"firstName":"George","lastName":"Franklin","address":"110 W. Liberty St.","city":"Madison","telephone":"6085551023","id":1,"pets":[{"name":"Leo","birthDate":"2000-09-07","type":{"name":"cat","id":1},"id":1,"ownerId":1,"visits":[]}],{"firstName":"Betty","lastName":"Davis","address":"638 Cardinal Ave.","city":"Sun Prairie","telephone":"6085551749","id":2,"pets":[{"name":"Basil","birthDate":"2002-08-06","type":{"name":"hamster","id":6},"id":2,"ownerId":2,"visits":[]}],{"firstName":"Eduardo","lastName":"Rodriguez","address":"2693 Commerce St.","city":"McFarland","telephone":"6085558763","id":3,"pets":[{"name":"Jewel","birthDate":"2000-03-07","type":{"name":"dog","id":2},"id":4,"ownerId":3,"visits":[]}, {"name":"Rosy","birthDate":"2001-04-17","type":{"name":"dog","id":2},"id":3,"ownerId":3,"visits":[]}],{"firstName":"Harold","lastName":"Davis","address":"563 Friendly St.","city":"Windsor","telephone":"6085553198","id":4,"pets":[{"name":"Iggy","birthDate":"2000-11-30","type":{"name":"lizard","id":3},"id":5,"ownerId":4,"visits":[]}], {"firstName":"Peter","lastName":"McTavish","address":"2387 S. Fair Way","city":"Madison","telephone":"6085552765","id":5,"pets":[{"name":"George","birthDate":"2000-01-20","type":{"name":"snake","id":4},"id":6,"ownerId":5,"visits":[]}], {"firstName":"Jean","lastName":"Coleman","address":"105 N. Lake St.","city":"Monona","telephone":"6085552654","id":6,"pets":[{"name":"Max","birthDate":"1995-09-04","type":{"name":"cat","id":1},"id":8,"ownerId":6,"visits":[{"date":"2011-03-04","description":"rabies shot","id":2,"petId":null}, {"date":"2009-06-04","description":"neutered","id":3,"petId":null}], {"name":"Samantha","birthDate":"1995-09-04","type":{"name":"cat","id":1},"id":7,"ownerId":6,"visits":[{"date":"2010-03-04","description":"rabies shot","id":1,"petId":null}, {"date":"2008-09-04","description":"spayed","id":4,"petId":null}]}], {"firstName":"Jeff","lastName":"Black","address":"1450 Oak Blvd.","city":"Monona","telephone":"6085555387","id":7,"pets":[{"name":"Lucky","birthDate":"1999-08-06","type":{"name":"bird","id":5},"id":9,"ownerId":7,"visits":[]}], {"firstName":"Maria","lastName":"Escobito","address":"345 Maple St.","city":"Madison","telephone":"6085557683","id":8,"pets":[{"name":"Mulligan","birthDate":"1997-02-24","type":{"name":"dog","id":2},"id":10,"ownerId":8,"visits":[]}], {"firstName":"David","lastName":"Schroeder","address":"2749 Blackhawk Trail","city":"Madison","telephone":"6085559435","id":9,"pets":[{"name":"Freddy","birthDate":"2000-03-09","type":{"name":"bird","id":5},"id":11,"ownerId":9,"visits":[]}], {"firstName":"Carlos","lastName":"Estaban","address":"2335 Independence La.","city":"Waunakee","telephone":"6085555487","id":10,"pets":[{"name":"Lucky","birthDate":"2000-06-24","type":{"name":"dog","id":2},"id":12,"ownerId":10,"visits":[]}, {"name":"Sly","birthDate":"2002-06-08","type":{"name":"cat","id":1},"id":13,"ownerId":10,"visits":[]}]}
```

Bazy Danych

Bazy danych nie mają zewnętrznego API, więc nie można się do nich dołączyć.

Test

Dodanie nowego właściciela:

← → ↻ Niezabezpieczona | 13.73.191.34:8080/petclinic/owners



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### Owners

Last name

Find Owner

Name	Address	City	Telephone	Pets
George Franklin	110 W. Liberty St.	Madison	6085551023	Leo
Betty Davis	638 Cardinal Ave.	Sun Prairie	6085551749	Basil
Eduardo Rodriguez	2693 Commerce St.	McFarland	6085558763	Jewel Rosy
Harold Davis	563 Friendly St.	Windsor	6085553198	Iggy
Peter McTavish	2387 S. Fair Way	Madison	6085552765	George
Jean Coleman	105 N. Lake St.	Monona	6085552654	Max Samantha
Jeff Black	1450 Oak Blvd.	Monona	608555387	Lucky
Maria Escobito	345 Maple St.	Madison	6085557683	Mulligan
David Schroeder	2749 Blackhawk Trail	Madison	6085559435	Freddy

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### New Owner

First Name  ✓



Last Name  ✓

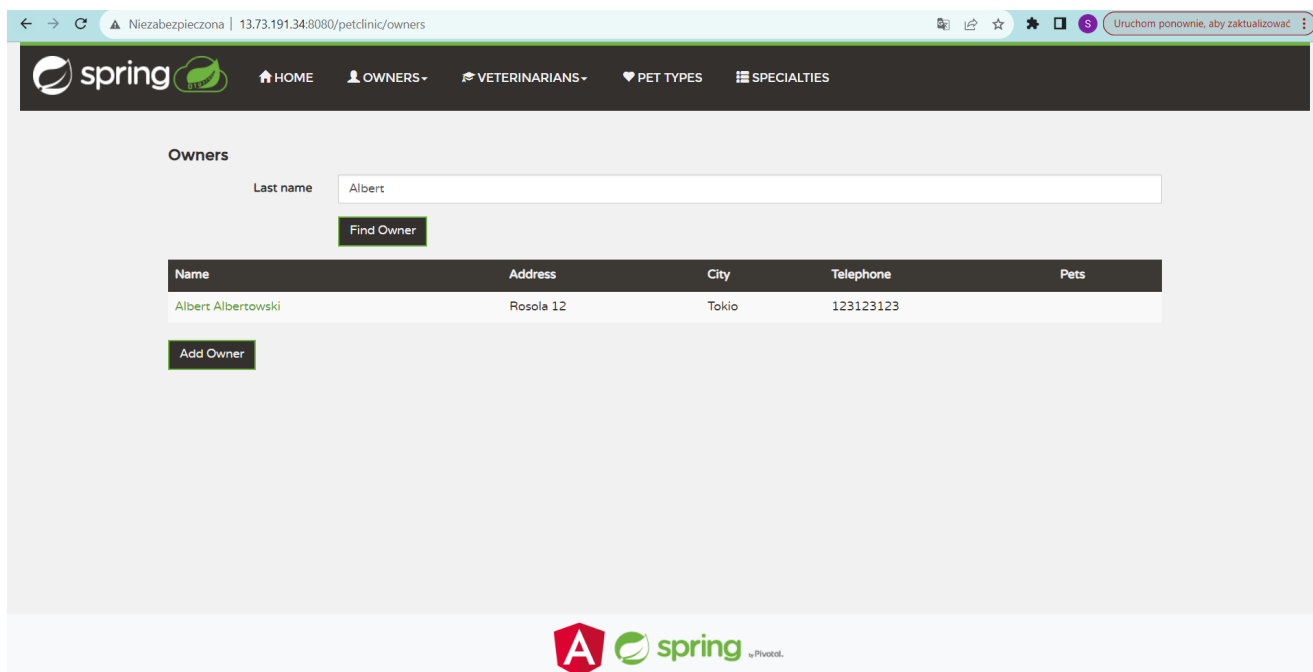
Address  ✓

City  ✓

Telephone  ✓

[Back](#) [Add Owner](#)

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Dodanie przebiegło poprawnie.

## Konfiguracja 2.

Jest to konfiguracja z NGINXem w roli loadbalancera z trzema backendami.

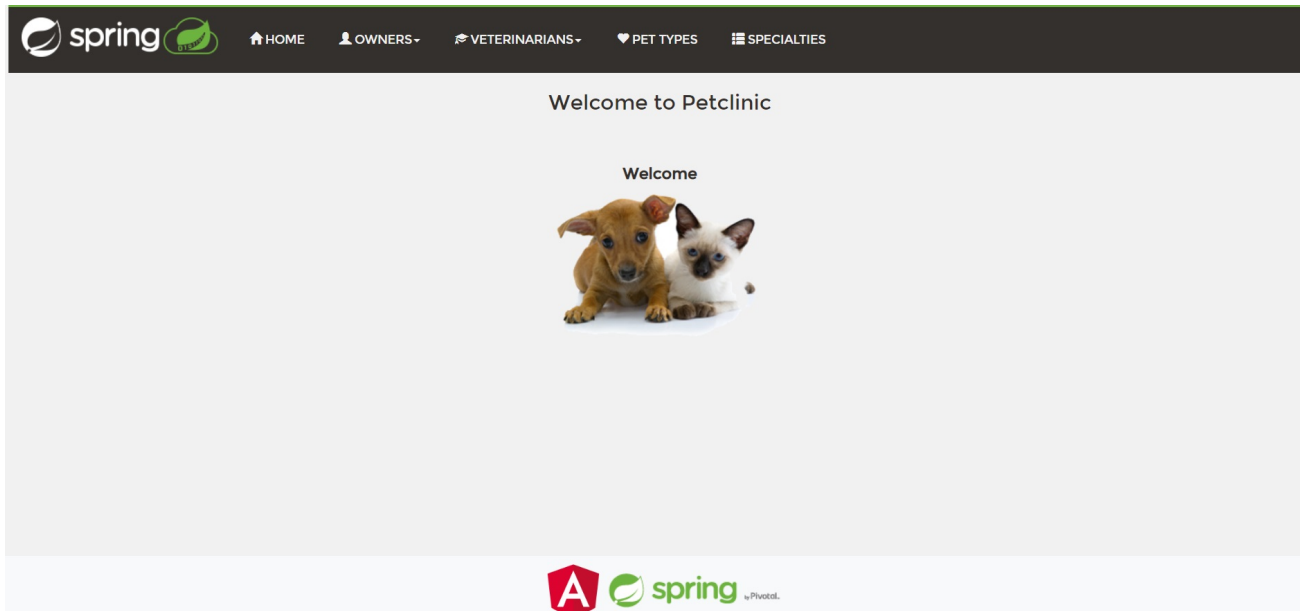
Wywołanie:

Komenda: `./deploy.sh config_2.json``

Deploy przebiegł pomyślnie - utworzono grupę zasobów o nazwie `wus_1_2`.

**FrontEnd:**

Przechodzimy na adres `<ip/port>` frontendu.



Udało się połączyć z frontendem!

### Backend:

Ze względu na konfigurację sieciową (tj. dostępność tylko i wyłącznie elementów wymaganych), nie ma możliwości weryfikacji architektury wewnętrznej za pomocą reverse-proxy (NGINXem).

### Test bazy danych i działania backendu:

Dodanie nowego typu zwierzaka:

### Pet Types

Name	
bird	<a href="#">Edit</a> <a href="#">Delete</a>
cat	<a href="#">Edit</a> <a href="#">Delete</a>
dog	<a href="#">Edit</a> <a href="#">Delete</a>
hamster	<a href="#">Edit</a> <a href="#">Delete</a>
lizard	<a href="#">Edit</a> <a href="#">Delete</a>
snake	<a href="#">Edit</a> <a href="#">Delete</a>

#### New Pet Type

Name  [x](#) [Save](#)

### Pet Types

Name	
bird	<a href="#">Edit</a> <a href="#">Delete</a>
cat	<a href="#">Edit</a> <a href="#">Delete</a>
dog	<a href="#">Edit</a> <a href="#">Delete</a>
hamster	<a href="#">Edit</a> <a href="#">Delete</a>
lizard	<a href="#">Edit</a> <a href="#">Delete</a>
snake	<a href="#">Edit</a> <a href="#">Delete</a>
rat	<a href="#">Edit</a> <a href="#">Delete</a>

[Home](#) [Add](#)

Pomyślnie dodano szczura.

Konfiguracja 5.