



Managing Services

Microservices Workshop

Agenda

- ✦ Managing Services
- ✦ Updating Services
- ✦ Scaling Services
- ✦ Using multiple docker-compose files
- ✦ Lab 04: Updating a single service

Managing Services

✦ Stop Services:

```
$ docker-compose stop [SERVICE]
```

✦ Start Services:

```
$ docker-compose start [SERVICE]
```

Managing Services

✦ Pause Services:

```
$ docker-compose pause [SERVICE]
```

✦ Unpause Services:

```
$ docker-compose unpause [SERVICE]
```

Managing Services

- ✦ Execute commands in Services containers:

```
$ docker-compose exec [options] [SERVICE] [command]
```

- ✦ Runs a one-time command against a service:

```
$ docker-compose run [options] [SERVICE] [command]
```

Updating Services

- ✦ Update service(s) container(s):

```
$ docker-compose up [options] [SERVICE]
```

- ✦ Compose only recreate containers that have changed
- ✦ To prevent Compose from picking up changes, use the `--no-recreate` flag
- ✦ To force Compose to stop and recreate all containers, use `--force-recreate`

Scaling Services

✦ Scale a service:

```
$ docker-compose up [options] --scale SERVICE=NUM [SERVICE] [command]
```

- ✦ Doesn't work for named containers ("container_name")
- ✦ Doesn't work for containers that expose ports ("port")
- ✦ To scale containers that exposes a port you must use a proxy (LB)

Using multiple docker-compose files

- ✦ Deploying services using multiple docker-compose files:

```
docker-compose -f docker-compose.yml -f docker-compose-override.yml up -d
```

- ✦ Compose merges the configurations by override/concatenate configurations
- ✦ Useful for manage different environments
- ✦ Useful for different types of deployment

Using multiple docker-compose files

✦ Extending Services:

```
web:  
  extends:  
    file: common-services.yml  
  service: webapp
```

✦ Useful to re-use configurations

✦ Useful to use a common.yml configuration file

Questions



Lab 04: Updating a Single Service

Lab



<https://gitlab.com/sela-microservices-workshop/lab-04>