

Homepage



WE LOVE
SOCKS!

Fun fact: Socks were
invented by woolly

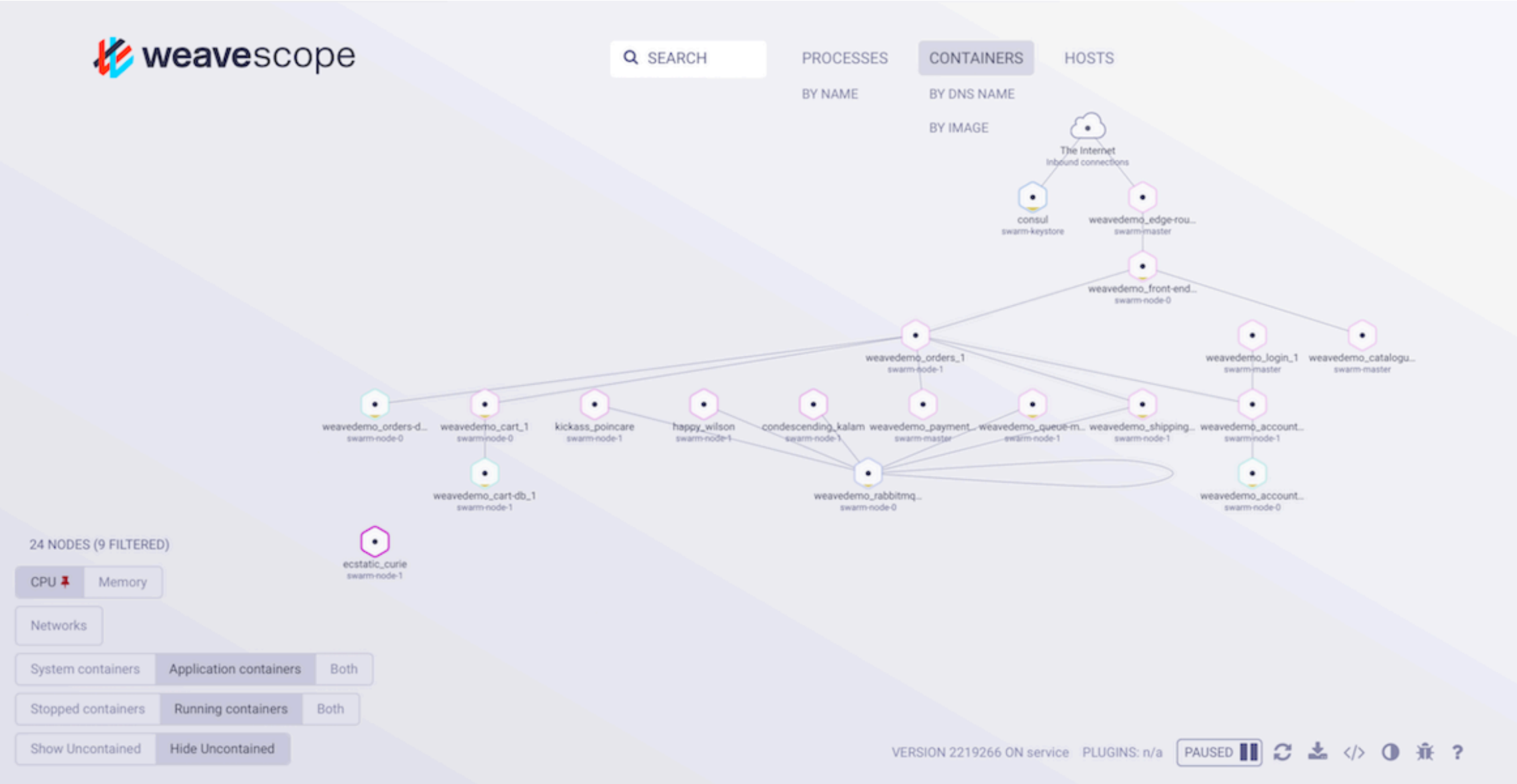
BEST PRICES

We price check our socks
with trained monkeys back
at the office.

100%
SATISFACTION
GUARANTEED

Free returns on most

Backend



Payment Service

Spec -

<https://microservices-demo.github.io/api/index?url=https://raw.githubusercontent.com/microservices-demo/payment/master/api-spec/payment.json>

Code -

<https://github.com/microservices-demo/payment>

Payment

Payment service spec

default

Show/Hide | List Operations | Expand Operations

GET /health

POST /paymentAuth

[BASE URL: /]

VALID {...}

Payment Service

default

Show/Hide | List Operations | Expand Operations

GET

/health

Response Class (Status 200)

Model |Example Value

```
{  "health": [    {      "service": "string",      "status": "string",      "time": "string"    }  ]}
```

Response Content Type

application/json; charset=utf-8

POST

/paymentAuth

Implementation Notes

Payment authorisation

Response Class (Status 200)

Model |Example Value

```
{  "authorised": true}
```

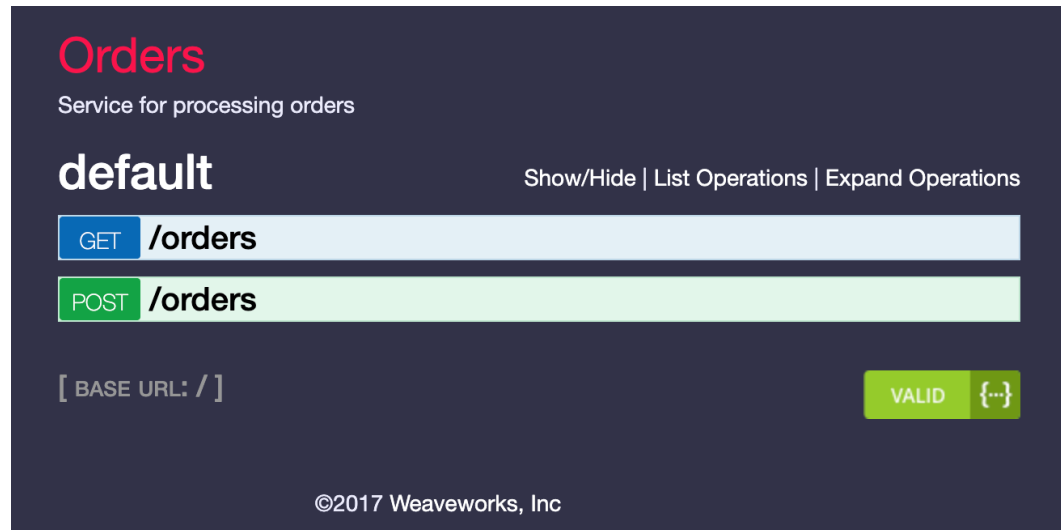
Response Content Type

application/json; charset=utf-8

Orders Service

[Code -](#)

<https://github.com/microservices-demo/orders>



[Spec](#)

<https://microservices-demo.github.io/api/index?url=https://raw.githubusercontent.com/microservices-demo/orders/master/api-spec/orders.json#/>

Orders Service

GET /orders

Implementation Notes

Get orders

Response Class (Status 200)

Returns orders

Model | **Example Value**

```
{
  "_embedded": {
    "customerOrders": [
      {}
    ]
  },
  "_links": {
    "self": {
      "href": "string"
    },
    "profile": {
      "href": "string"
    },
    "search": {
      "href": "string"
    }
  },
  "page": {
    "size": 0,
    "totalElements": 0,
    "totalPages": 0,
    "number": 0
  }
}
```

Response Content Type application/hal+json;charset=UTF-8 ↕

POST /orders

Implementation Notes

Create an order

Response Class (Status 201)

Returns cart

Model | **Example Value**

```
{
  "id": "string",
  "customerId": "string",
  "customer": {
    "firstName": "string",
    "lastName": "string",
    "username": "string",
    "addresses": [
      {
        "id": "string",
        "number": "string",
        "street": "string",
        "city": "string",
        "postcode": "string",
        "country": "string"
      }
    ],
    "cards": [
      {
        "id": "string",
        "longNum": "string",
        "expires": "string",
        "ccv": "string"
      }
    ]
  },
  "address": {
    "number": "string",
    "street": "string",
    "city": "string",
    "postcode": "string",
    "country": "string"
  },
  "card": {
    "longNum": "string",
    "expires": "string",
    "ccv": "string"
  },
  "items": [
    {
      "id": "string",
      "itemId": "string",
      "quantity": 0,
      "unitPrice": 0
    }
  ],
  "shipment": {
    "id": "string",
    "name": "string"
  },
  "date": "string",
  "total": 0
}
```

Catalogue Service

Spec -

<https://microservices-demo.github.io/api/index?url=https://raw.githubusercontent.com/microservices-demo/catalogue/master/api-spec/catalogue.json#/default>

Code -

<https://github.com/microservices-demo/catalogue>

Catalogue resources

default

Show/Hide | List Operations | Expand Operations

GET /catalogue

GET /catalogue/{id}

GET /catalogue/size

GET /tags

[BASE URL: /]

VALID {...}

Catalogue Service

GET

/tags

Response Class (Status 200)

Model |Example Value

```
{  "tags": [    "string"  ]}
```

Response Content Type

application/json;charset=UTF-8

GET

/catalogue/{id}

Response Class (Status 200)

Model |Example Value

```
{  "id": "string",  "name": "string",  "description": "string",  "imageUrl": [    "string"  ],  "price": 0,  "count": 0,  "tag": [    "string"  ]}
```

Response Content Type

application/json; charset=UTF-8

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	a0a4f044-b040-410d-8ead-4de0446aec7e		path	string

GET

/catalogue/size

Response Class (Status 200)

Model |Example Value

```
{  "size": 0}
```

Response Content Type

application/json;charset=UTF-8

GET

/catalogue

Implementation Notes

Catalogue API

Response Class (Status 200)

Model |Example Value

```
{  {    "id": "string",    "name": "string",    "description": "string",    "imageUrl": [      "string"    ],    "price": 0,    "count": 0,    "tag": [      "string"    ]  }}
```

Response Content Type

application/json;charset=UTF-8

Users Service

Spec – <https://microservices-demo.github.io/api/index?url=https://raw.githubusercontent.com/microservices-demo/user/master/apispec/user.json#/default>

Code - <https://github.com/microservices-demo/user>

All users get cookie at the login, all user actions should contain login cookie

Name	Value	Domain	Path	Ex...	Size
Request Cookies					177
_TRAEFIK_BACKEND	http://front-end:8079	N/A	N/A	N/A	40
logged_in	bibC6JG60NOHUpwZVIHFJl...	N/A	N/A	N/A	42
md.sid	s%3AbibC6JG60NOHUpwZ...	N/A	N/A	N/A	95

User

Provide Customer login, register, retrieval, as well as card and address retrieval

default

Show/Hide | List Operations | Expand Operations

GET

/login

POST

/register

GET

/customers

DELETE

/customers/{id}

GET

/customers/{id}

GET

/customers/{id}/cards

GET

/customers/{id}/addresses

GET

/cards

POST

/cards

DELETE

/cards/{id}

GET

/cards/{id}

GET

/addresses

POST

/addresses

DELETE

/addresses/{id}

GET

/addresses/{id}

Cart Service

Code -

<https://github.com/microservices-demo/carts>

Spec -

- GET carts/

- POST to carts: <carts/carts/5d9462b4ee11cb00018b7a1e/items>

body: {"itemId":"3395a43e-2d88-40de-b95f-e00e1502085b","unitPrice":18}

- DELETE /cart

Body {"id":"510a0d7e-8e83-4193-b483-e27e09ddc34d","quantity":1}

```
▼ [
  ▼ {
    "id": "5d9b599542eba40006abd2d3",
    "itemId": "3395a43e-2d88-40de-b95f-e00e1502085b",
    "quantity": 1,
    "unitPrice": 18
  }
]
```

Instruction

Demo app to run local, app have an multiple ways how to run locally

- [Docker compose](#) (checked by us)
 - 1) Requirement soft – docker, docker compose
 - 2) `git clone https://github.com/microservices-demo/microservices-demo`
 - 3) `cd microservices-demo`
 - 4) `docker-compose -f deploy/docker-compose/docker-compose.yml up -d`
 - 5) Logs – `docker-compose -f microservices-demo/deploy/docker-compose/docker-compose.yml logs`
 - 6) Switch off - `docker-compose -f deploy/docker-compose/docker-compose.yml down`
 - [Kubernetes](#) minikube
 - 1) Requirements [Minikube](#), [kubectl](#)
 - [Nomad](#)
 - 1) Requirements [Vagrant](#) ~> 1.8.1 [VirtualBox](#) ~> 5.0.22
 - Other options - <https://microservices-demo.github.io/docs/index.html>
- Each team will have an EC2 instance with installed app, and with full access to EC2 instance via SSH

Also each team could run apps locally, app have an multiple ways how to run locally

- Docker compose (checked by us)
 - 1) Requirement soft – **docker, docker compose**
 - 2) `git clone <link>`
 - 3) `cd microservices-demo`
 - 4) `docker-compose -f deploy/docker-compose/docker-compose.yml up -d`
 - 5) Logs – `docker-compose -f microservices-demo/deploy/docker-compose/docker-compose.yml logs`
 - 6) Switch off - `docker-compose -f deploy/docker-compose/docker-compose.yml down`
 - [Kubernetes](#) minikube
 - 1) Requirements [Minikube](#), [kubectl](#)
 - [Nomad](#)
 - 1) Requirements [Vagrant](#) ~> 1.8.1 [VirtualBox](#) ~> 5.0.22
- Other options -