

Title: How to make REST calls between Frontend and Backend using Docker containers

Post Body:

I have 3 docker containers:

Backend (Spring boot rest api) Frontend (Js and html in the apache image) MongoDB

I'm orchestrating them through docker-compose and works nicely.

However I don't know how to let my frontend javascript client know the backend container's host/ip in order to reach it.

This is my docker-compose.yml:

```
version: '3.1' services: project-server: build: . restart: always container_name: project-server ports:
```

So i've tried with this in my js client app:

```
export default {  REMOTE_HOST: 'http://project-server:8200' }
```

But it doesn't work. (Failed to load resource: net::ERR\_NAME\_NOT\_RESOLVED)

And i'm pretty sure it's because JS runs locally on the browser so it has no way to resolve that.

What's the right way to do this? There is any way for the frontend service (apache) to pass/render the real host to Javascript and get it somehow?

Thanks a lot

Accepted Answer: None

Highest Rated Answer:

`project-server` can be resolved only within the network created by `docker-compose`. As you mentioned, to connect from the outside world you need to export the IP of your host instead of `project-server`. The problem is the guest container doesn't know the IP of the host. Here is a detailed discussion about that: [How to get the IP address of the docker host from inside a docker container](#)

What you probably need in your situation is to run the container passing the IP of the host as an environment variable:

```
run --env <IP>=<value>
```

Then in node you can just read that variable. Hope it helps