Title: How to configure dns entries for Docker Compose
Post Body:

I am setting up a Spring application to run using compose. The application needs to establish a connection to ActiveMQ either running locally for developers or to existing instances for staging/production.

I setup the following which is working great for local dev:

```
amq:     image: rmohr/activemq:latest     ports:      - '61616:61616'      - '8161:8161' legacy-bridge:      image:   myco/mys
```

and in the application configuration I am declaring the AMQ connection as

```
broker-url=tcp://amq:61616
```

Running docker-compose up is working great, activeMQ is fired up locally and my application constiner starts and connects to it.

Now I need to set this up for staging/production where the ActiveMQ instances are running on existing hardware within the infrastructure. My thoughts are to either use spring profiles to handle a different configurations in which case the application configuration entry for 'broker-url=tcp://amq:61616' would become something like `broker-url=tcp://some.host.here:61616` or find some way to create a dns entry within my production docker-compose.yml which will point an `amq` dns entry to the associated staging or production queues.

What is the best approach here and if it is DNS, how to I set that up in compose?

Thanks!

Accepted Answer:

Using the `extra_hosts` flag

First thing that comes to mind is using [Compose's `extra_hosts`](#) flag:

```
legacy-bridge:    image:   myco/myservice    extra_hosts:      - "amq:1.2.3.4"
```

This will not create a DNS record, but an entry in the container's `/etc/hosts` file, effectively allowing you to continue using `tcp://amq:61616` as your broker URL in your application.

Using an ambassador container

If you're not content with directly specifying the production broker's IP address and would like to leverage existing DNS records, you can use the [ambassador pattern](#):

```
amq-ambassador:    image:   svendowideit/ambassador    command: ["your-amq-dns-name", "61616"]    ports:      - 61616 legacy-bridge:
```

Highest Rated Answer: None