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Adding Java to a IRIS Docker image

IRIS is a powerful platform and one of the new features is the Java Business Host ([DOC: Connecting Systems Using Java Business Hosts](#)) that allow you to develop Business Services and Business Operations directly in Java ([JavaDocs of the InterSystems Gateway Package](#)).

I was testing this feature using an IRIS Docker image, but this image doesn't come with Java, the image is a bare Ubuntu image plus IRIS. So I had to build a new image adding the Java stuff. After some research I finally get this Dockerfile:

```
FROM docker.iscinternal.com/intersystems/iris:2019.1.0.284.0
RUN apt-get update && /
    apt-get upgrade -y && /
    apt-get install -y software-properties-common && /
    add-apt-repository ppa:webupd8team/java -y && /
    apt-get update && /
    echo oracle-java7-installer shared/accepted-oracle-license-v1-1 select true | /usr/bin/debconf-set-selections && /
    apt-get install -y oracle-java8-installer && /
    apt-get clean
```

I also build a docker compose file in order to create the container and start it in a easy way:

```
version: '3.6'
services:
  iris:
    build: .
    image: irisjava:v1.1.0
    command: --log /usr/irissys/mgr/messages.log
    hostname: iris
    container_name: iris2019.1
    volumes:
      - ${PWD}/shared:/shared
    ports:
      - 51773:51773
      - 52773:52773
      - 55555:55555
    environment:
      - ISC_DATA_DIRECTORY=/shared/iris_conf.d
```

Everything works well after a 'docker-compose up -d'

Maybe this is useful for someone working with IRIS Docker images and Java Business Hosts.

Regards

[#Docker #Java #InterSystems IRIS](#)

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