

DOCKER LAB

• Docker Build:

```
PS C:\Users\IQ-Swati\Documents\Relait-IT\AZURE-AWS\node-application> docker build -t node-app .
[+] Building 0.0s (0/0) docker:desktop-linux
[+] Building 8.4s (10/10) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 432B
=> [internal] load metadata for docker.io/library/node:18-alpine
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/5] FROM docker.io/library/node:18-alpine@sha256:974afb6cbc0314dc6502b14243b8a39fbb2d04d975e9059dd066be3e274fbb25
=> [internal] load build context
=> => transferring context: 3.23MB
=> CACHED [2/5] WORKDIR /app
=> CACHED [3/5] COPY package*.json ./
=> CACHED [4/5] RUN npm install
=> CACHED [5/5] COPY . .
=> exporting to image
=> => exporting layers
=> => writing image sha256:952fdd6e1105f2c5a107ea92dcdbd19146ce0e8d18a6b49050454aa0847a0c76d
=> => naming to docker.io/library/node-app
```

• Docker Run:

```
PS C:\Users\IQ-Swati\Documents\Relait-IT\AZURE-AWS\node-application> docker run -d -p 3000:3000 --name my-running-app node-app
05c9126982e2da45a47149e3ce07a846f42a7e2d44ce0e11de24e5d04a3e092d
```

• Docker PS:

```
PS C:\Users\IQ-Swati\Documents\Relait-IT\AZURE-AWS\node-application> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
05c9126982e2	node-app	"docker-entrypoint.s..."	25 seconds ago	Up 23 seconds	0.0.0.0:3000->3000/tcp	my-running-app

• Docker Images

```
PS C:\Users\IQ-Swati\Documents\Relait-IT\AZURE-AWS\node-application> docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
node-app	latest	952fdd6e1105	4 hours ago	133MB

Docker Desktop: (container) and (Images)

