# Creating a Multi-stage Dockerfile

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WAHLIN CONSULTING

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# Module Overview

Creating the Angular development dockerfile

Multi-stage dockerfiles

Creating the Angular build stage

Creating an nginx/Angular stage

Building the Angular runtime image

Using the VS Code Docker extension
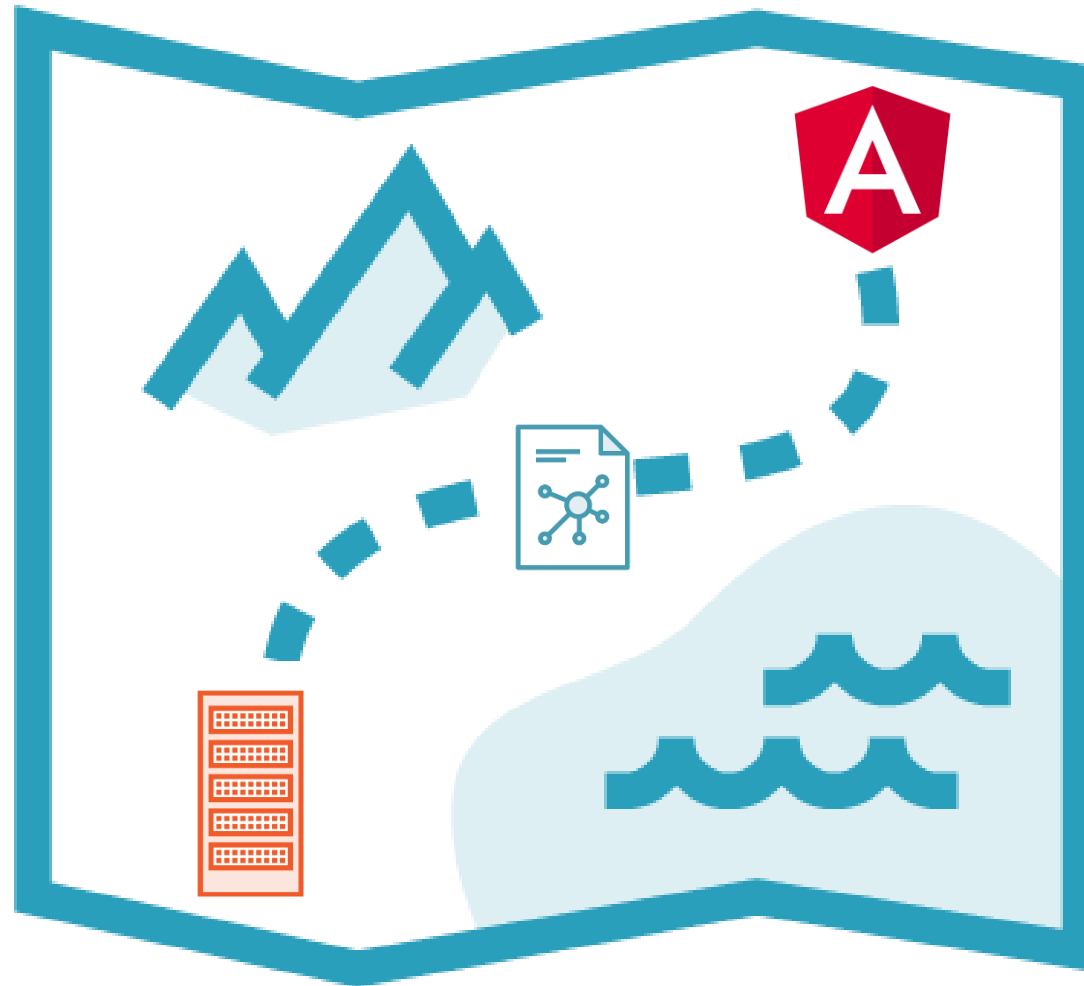
# Creating the Angular Development Dockerfile

# Multi-stage Dockerfiles

# Creating an Image
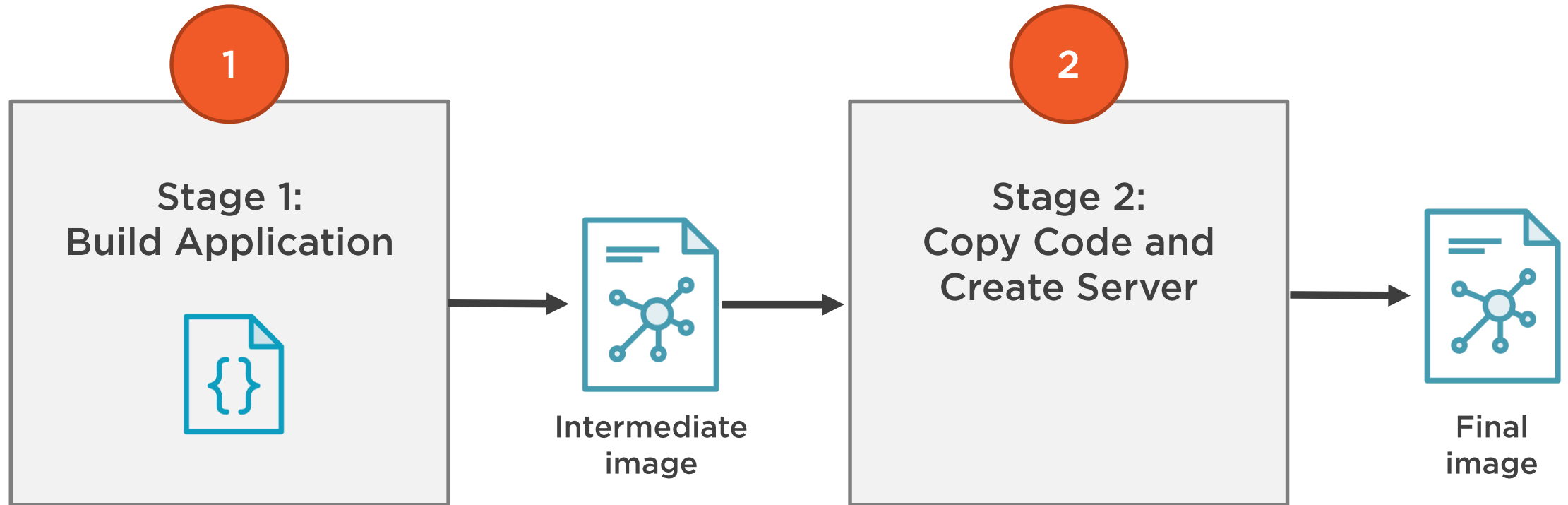
# Dockerfile Example

```
FROM            node
LABEL           author="Dan Wahlin"
WORKDIR         /var/www
COPY            ./dist  .
RUN             npm install
EXPOSE          8080
ENTRYPOINT      ["node", "server.js"]
```

# Multi-stage Dockerfiles

# Benefits of Multi-stage Builds



Avoid manual creation of intermediate images

Reduce complexity

Selectively copy artifacts from one stage to another

Smaller final image size

# Creating the Angular Build Stage

# Creating an nginx/Angular Stage

# Building the nginx/Angular Image

# Using the VS Code Docker Extension

# Summary

Volumes allow containers to be "linked" to local folders

Multi-stage dockerfiles provide a streamlined way to build code and create images

nginx is a high-performance reverse proxy server that can serve Angular code

The docker build command can be used to build an image from a dockerfile

The VS Code Docker extension can simplify working with images and containers