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## Appendix 3: Nginx Dockerfile

The following Dockerfile serves as an example solution to the lab exercise in Unit 09.

### Dockerfile

```
FROM debian

MAINTAINER nigel@windsock.io

# Install build tools, libraries and utilities
RUN apt-get update && \
    apt-get install -y build-essential \
        libpcre3-dev \
        zlib1g-dev \
        wget \
        --no-install-recommends && \
    rm -rf /var/lib/apt/lists/*

# Define variable to use to peg version
ENV VER=1.9.14 \
    GPG_KEY=B0F4253373F8F6F510D42178520A9993A1C052F8

# Download and extract nginx source
RUN TMP="$(mktemp -d)" && cd "$TMP" && \
    gpg --keyserver ha.pool.sks-keyservers.net --recv-keys $GPG_KEY && \
    wget -q http://nginx.org/download/nginx-${VER}.tar.gz && \
    wget -q http://nginx.org/download/nginx-${VER}.tar.gz.asc && \
    gpg --verify nginx-${VER}.tar.gz.asc && \
    tar -xf nginx-${VER}.tar.gz -C /usr/local/src && \
    rm -rf "$TMP"

# Change working directory for build
WORKDIR /usr/local/src/nginx-${VER}

# Build and install nginx binary
RUN ./configure && \
    make && \
    make install

# Expose port
EXPOSE 80

# Define entrypoint
ENTRYPOINT ["/usr/local/nginx/sbin/nginx", "-g", "daemon off;"]
```