Docker is the world's leading software containerization platform
Automating deployment process
## Union file system

<table>
<thead>
<tr>
<th>Layer</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Runtime file system (read-write)</td>
<td></td>
</tr>
<tr>
<td>WAR file added (read-only)</td>
<td></td>
</tr>
<tr>
<td>Tomcat installed (read-only)</td>
<td></td>
</tr>
<tr>
<td>Java 8 installed (read-only)</td>
<td></td>
</tr>
<tr>
<td>Apache HTTP installed (read-only)</td>
<td></td>
</tr>
<tr>
<td>Debian Wheezy (read-only base image)</td>
<td></td>
</tr>
<tr>
<td>Linux Kernel 3.13.3 (read-only bootfs)</td>
<td></td>
</tr>
</tbody>
</table>
Get Docker

Download Docker for Mac

If you have not already done so, please install Docker for Mac. You can download installers from the stable or beta channel. For more about stable and beta channels, see the FAQs.

<table>
<thead>
<tr>
<th>Stable channel</th>
<th>Beta channel</th>
</tr>
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<tr>
<td>This installer is fully baked and tested, and comes with the latest GA version of Docker Engine along with experimental features in Docker Engine, which are enabled by default and configurable on Docker Daemon preferences for experimental mode.</td>
<td>This installer provides the latest Beta release of Docker for Mac, offers cutting edge features along with experimental features in Docker Engine, which are enabled by default and configurable on Docker Daemon preferences for experimental mode.</td>
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<td>This is the best channel to use if you want to experiment with features under development, and can weather some instability and bugs. This channel is a continuation of the beta program, where you can provide feedback as the apps evolve. Releases are typically more frequent than for stable, often one or more per month.</td>
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<td>We collect all usage data on betas across the board.</td>
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</table>

On the stable channel, you can select whether to send usage statistics and other data.

<table>
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<tr>
<th>Get Docker for Mac [stable]</th>
<th>Get Docker for Mac [beta]</th>
</tr>
</thead>
</table>

Download checksum: Docker.dmg SHA256  Download checksum: Docker.dmg SHA256
Get Docker
#!/bin/sh
set -e
#
# This script is meant for quick & easy install via:
# 'curl -sSL https://get.docker.com/ | sh'
# or:
# 'wget -qO- https://get.docker.com/ | sh'
#
# For test builds (ie. release candidates):
# 'curl -fSSL https://test.docker.com/ | sh'
# or:
# 'wget -qO- https://test.docker.com/ | sh'
#
# For experimental builds:
# 'curl -fSSL https://experimental.docker.com/ | sh'
# or:
# 'wget -qO- https://experimental.docker.com/ | sh'
#
# Docker Maintainers:
# To update this script on https://get.docker.com,
# use hack/release.sh during a normal release,
# or the following one-liner for script hotfixes:
# aws s3 cp --acl public-read hack/install.sh s3://get.docker.com/index
Get Docker

Download Docker for Windows

If you have not already done so, please install Docker for Windows. You can download installers from the stable or beta channel. For more about stable and beta channels, see the FAQs.

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Get Docker for Windows (stable)  
[Get Docker for Windows (stable)](download_url)

Get Docker for Windows (beta)  
[Get Docker for Windows (beta)](download_url)

Download checksum: InstallDocker.msi SHA256  
Download checksum: InstallDocker.msi SHA256
Generating a new SSH key

1. Open Terminal.

2. Paste the text below, substituting in your GitHub email address.

   ```
   $ ssh-keygen -t rsa -b 4096 -C "your_email@example.com"
   ```

   This creates a new ssh key, using the provided email as a label.

   ```
   Generating public/private rsa key pair.
   ```

3. When you’re prompted to "Enter a file in which to save the key," press Enter. This accepts the default file location.

   ```
   Enter a file in which to save the key (/Users/you/.ssh/id_rsa): [Press enter]
   ```

4. At the prompt, type a secure passphrase. For more information, see "Working with SSH key passphrases".

   ```
   Enter passphrase (empty for no passphrase): [Type a passphrase]
   Enter same passphrase again: [Type passphrase again]
   ```
FROM debian:jessie

MAINTAINER NGINX Docker Maintainers "docker-maint@nginx.com"

ENV NGINX_VERSION 1.11.10-1~jessie

RUN apt-key adv --keyserver hkp://pgp.mit.edu:80 --recv-keys 573BF66B3D8FBC641079A6ABABF5BD827BD9BF62 \
    && echo "deb http://nginx.org/packages/mainline/debian/ jessie nginx" >> /etc/apt/sources.list \
    && apt-get update \
    && apt-get install --no-install-recommends --no-install-suggests -y \ 
        ca-certificates \ 
        nginx=${NGINX_VERSION} \ 
        nginx-module-xslt \ 
        nginx-module-geoip \ 
        nginx-module-image-filter \ 
        nginx-module-perl \ 
        nginx-module-njs \ 
        gettext-base \ 
    
    && rm -rf /var/lib/apt/lists/*

# forward request and error logs to docker log collector
RUN ln -sf /dev/stdout /var/log/nginx/access.log \
    && ln -sf /dev/stderr /var/log/nginx/error.log

EXPOSE 80 443

CMD ["nginx", ",-g", ",daemon off;"
Dockerfile