

# Docker & Portus:

A Winning Duo for Your Infrastructure

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Docker

# Docker Today



- **400M+** Docker Container Downloads
- **75000+** Dockerized apps in Docker Hub
- **21000+** GitHub Stars
- **50000** Third party projects using Docker
- **900+** Community Contributors
- **150+** Meet up in 50+ countries

# What is Docker?



*“Docker allows you to package an application with all of its dependencies into a standardized unit for software development.”*



What can I use it for?



# Better software development?

- Consistent Environments
- More time for real development
- Empower Developers



# A more efficient workflow?

- Quickly scale
- Density
- Easily remediate issues

# Practically speaking...

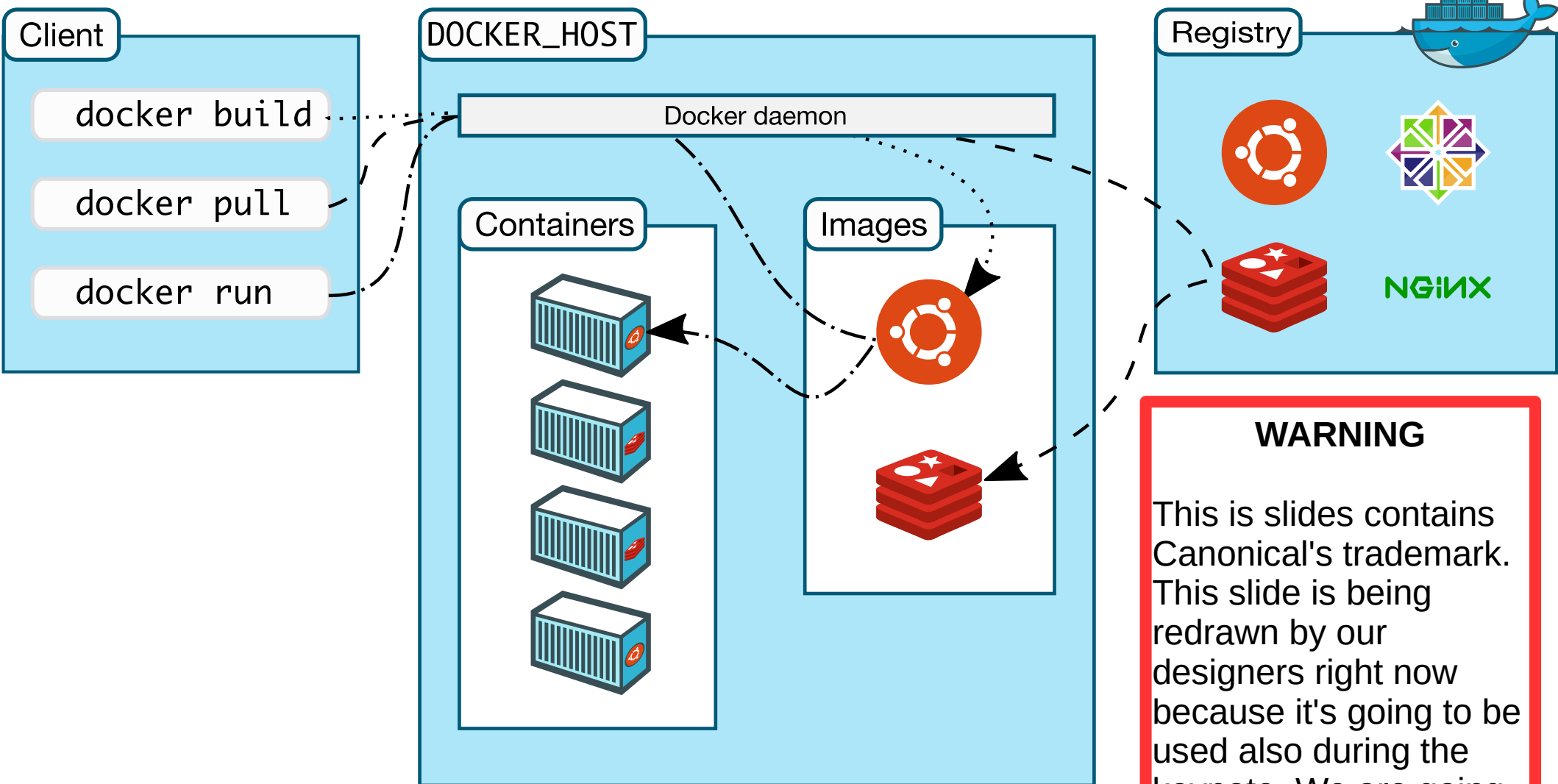
- Continuous Integration
- Continuous Delivery
- Platform-as-a-Service
- Distributed applications
- Easier deployments



What does it look like?



# What is Docker's architecture?



## WARNING

This is slides contains Canonical's trademark. This slide is being redrawn by our designers right now because it's going to be used also during the keynote. We are going to replace it with the final one once it's ready.

# Inside Docker



## Docker images

- Read only template
- The “base” of containers
- Prebuild
- “docker build”
- Dockerfile



# Dockerfiles



```
FROM suse/sles12:latest
MAINTAINER Flavio Castelli <fcastelli@suse.com>
# Create a new demo_user.
RUN /usr/sbin/useradd m
demo_user
# Add our demo application inside of the /demo/ directory, the app
is going
# to be renamed from webapp_demo to webapp.
ADD webapp_demo /demo/webapp
ADD web /demo/web
WORKDIR /demo
# Run everything as the "demo_user" user.
USER demo_user
# The demo web application listens on port 8080 by default
# This directive tells Docker that the container will listen on the
specified
# port at runtime. This is information is used when connecting
multiple running
# containers.
EXPOSE 8080
```



# Inside Docker



## Docker containers

- operating system
- user-added files
- Meta-data.
- RW layer
- “docker run”

# Inside Docker



## Docker registries

“A registry is a storage and content delivery system, holding named Docker images, available in different tagged versions.”

- Public
- Private

SUSE ♥ Docker

# SUSE & Docker

- You have the choice
- We bridge the gap

# Distribution?

- No auth
- No audit
- No collaboration





# Get in touch!

[containers@lists.suse.com](mailto:containers@lists.suse.com)

<http://port.us.org>

<https://github.com/SUSE/Portus>



# Questions & Answers





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