What is Docker?

Why dockerize SMW?

How to dockerize SMW

Hands on session

Docker is an open platform for building, shipping and running distributed applications. It gives programmers, development teams and operations engineers the common toolbox they need to take advantage of the distributed and networked nature of modern applications.

Learn More about Docker at ProfiWiki Docker page
Why Dockerize SMW?

- Speed up installation / Get trial users up and running quickly
- Simplify Backup/Moving of installations
- Simplify Testing of new versions and configurations
- Support Wiki Families
• Lots of parts
• Many steps
• Lots of details to care for
• May take hours (or days in case of problems)

Dockerizing Semantic MediaWiki

SMW CON Fall 2015

How To Dockerize SMW

The ProfiWiki layer cake recipe

Ingredients

• 1 small Docker

• 1 decent MediaWiki

• 1 nice dose of Semantic MediaWiki

Make the ProfiWiki cake

Follow the instructions at docker-
semanticmediawiki

http://www.bigstockphoto.de/image-102321566 102321566
#!/bin/bash
# WF 2015-10-28
# Start building the SemanticMediaWiki Image
version="0.0.1"
# remember the time we started this
start_date=$(date -u +%s)
# build the image
docker build -t bitplan/smw:$version .

# stop the end time
end_date=$(date -u +%s)
# show how long this took
diff=$((end_date-$start_date))
echo "build took $((diff % 60)) seconds."