



VistA Docker Images

Sam Habel

Outline

- What is it?
- History
- Usage
- Notable changes to docker-vista code
- Notable docker images to use in your testing

What is it?

- Code base
 - <https://github.com/WorldVistA/docker-vista>
 - Creates VistA docker images on YottaDB, GT.M or Caché
- Public Docker Images
 - Mostly located at <https://hub.docker.com/u/worldvista>
 - Octo VistA Nightly image at <https://hub.docker.com/r/yottadb/octo-vehu>
- DISCLAIMER: Not intended for production use of VistA

History

- Created by Christopher Edwards, based on the original work done for Vagrant, also by Christopher
- Eventually a lot of automation incorporated the use of the docker images
 - VISTA on FHIR
 - Vivian generation
 - Octo SQL
- I am currently the main maintainer
- Repo moved between several organizations:
 - KRMAssociates → OSEHRA → ChristopherEdwards → WorldVista

Usage

- Used for many purposes
 - Demo systems
 - Development for VA projects
 - Daily pipelines to test stuff against Vista
 - Input → Output type work
 - Most notably, Vivian
 - Also, ZWR formatted files for committing to repos

Recent Improvements

- Don't load Audit Globals
- Fix Octo building process/YottaDB always installs Octo
- Add support for zwr-zip folder (no need to download a remote repo)
- -o flag to build YottaDB from source
- Add YottaDB GUI
- Load Vista SQL functions
- Bash set -e
- Auto fix for ECX*3*178 which installed invalid Set of Codes fields
- Move from CentOS 7 to Rocky Linux
- ARM64 support

Notable Public Docker Images

- <https://hub.docker.com/r/worldvista/vehu>
 - Up to Date VistA VEHU demo system (updated monthly)
 - Contains Octo
 - There is a tag that does FHIR (on an old code base)
- <https://hub.docker.com/r/worldvista/foiasynthea>
 - FOIA VistA with 1000 synthetic patients from Synthea (not updated)
- <https://hub.docker.com/r/worldvista/foiavista>
 - FOIA VistA (not updated)

Notable Public Docker Images

- <https://hub.docker.com/r/worldvista/rpms>
 - RPMS (not updated)
- <https://hub.docker.com/r/worldvista/worldvista-ehr>
 - WorldVista (has latest version)
- <https://hub.docker.com/r/yottadb/octo-vehu>
 - Has latest YottaDB, Octo, VEHU; built nightly
 - ARM64/AARCH64 one-time image available

Thank you to various sponsors

- Current sponsors
 - Apothesource sponsors the monthly VEHU update
 - YottaDB sponsors maintenance of the code base
 - Code base used in our pipelines to validate Octo execution
 - WorldVista hosts the repo and creates Vivian every month from the FOIA using this code base



YottaDB

Thank You!

yottadb.com