

A directory of ACTUS resources — page 1 of 2

- ACTUS FinancialResearchFoundation home; <https://actusfrf.org>
- Contract Type list and Data Dictionary of terms , conventions, requirements etc
 - <https://www.actusfrf.org/taxonomy>, <https://www.actusfrf.org/dictionary>
 - JSON dictionary at <https://github.com/actusfrf/actus-dictionary>
- Technical Spec - mathematical description of behavior of each contract type
 - <https://www.actusfrf.org/techspecs>
 - May be “compatible with” zero knowledge proofs ?
- ACTUS public server + base demo – illustrating cashflows for example of each contract type
 - <https://demo.actusfrf.org:8080>
 - (1) select a contract type (2) click “DEMO CASE” for predefined examples (3) select example (4) SEND
- User guide – to build an application in (python, R etc.) *using* actus server (Userguide/blog description); WG agendas
 - in <https://github.com/actusfrf/actus-userguides>
- Example ACTUS contracts (all contract types) with market risk factor data and list of cashflows from simulation
 - In <https://github.com/actusfrf/actus-tests>

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- Cloud Rshiny demo showing use of ACTUS contracts and portfolios with selected market risk scenarios
 - <https://dadfir3.shinyapps.io/DaDFiR3demo/>
- User guide for downloading and configuring container images for standalone actus-rshiny-demo:
 - <https://github.com/actusfrf/actus-userguides/ACTUS-Rshiny-demo>
- Source Code for Rshiny Demo application and supporting R services in FEMSPkg
 - <https://github.com/fnparr/FEMSdevPkg>
- Docker files and source code material for docker containers used in standalone workstation demo
 - <https://github.com/fnparr/docker-ACTUS>
- Downloadable docker images on DockerHub
 - `dockerhub.io/fnparr/actus_server:no_mongo`
 - `dockerhub.io/mongo/mongodb-community-server:6.0-ubi8`
 - `dockerhub.io/fnparr/actus-rshiny-demo:b02` or latest

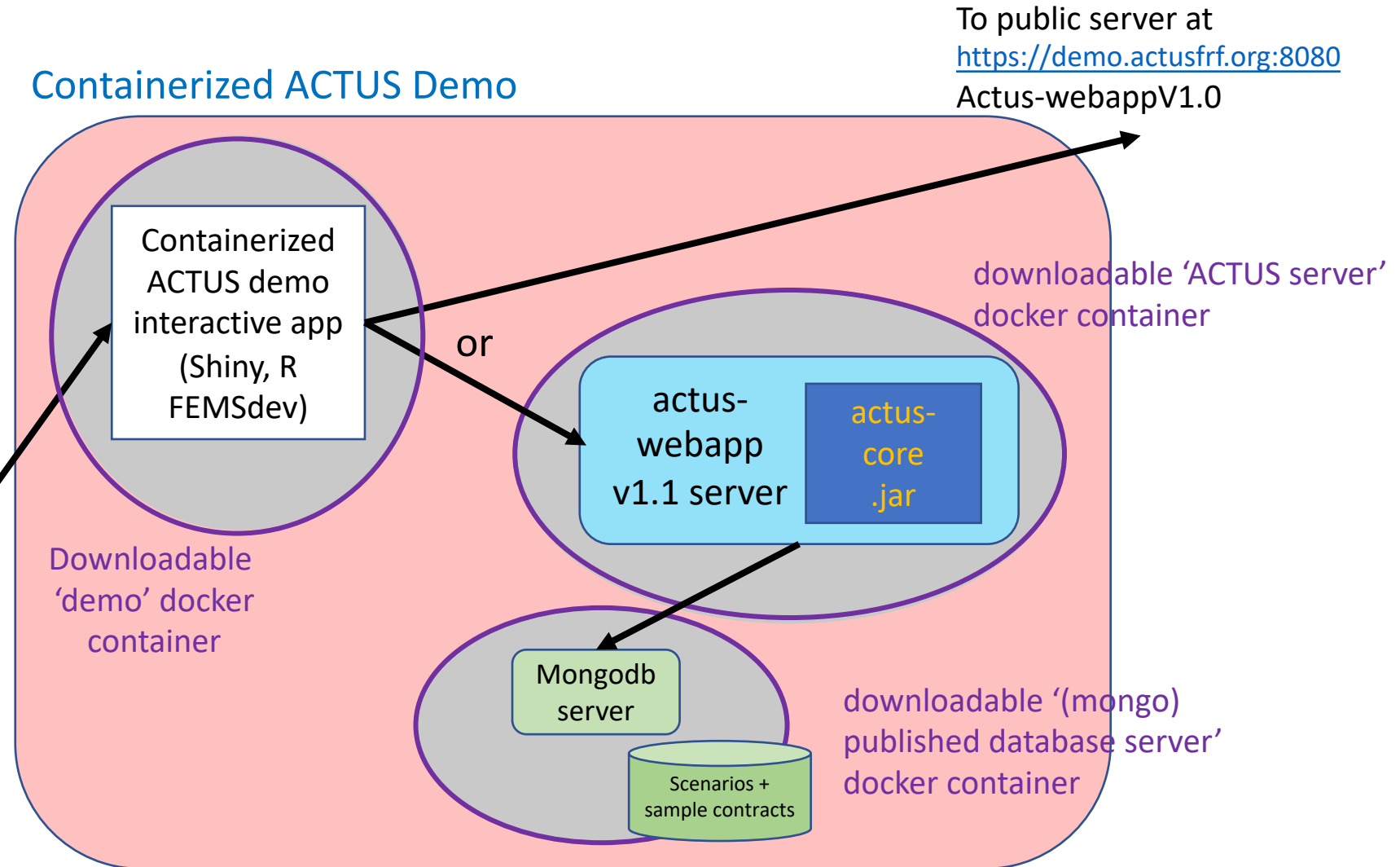
3 Container ACTUS Demo Architecture

Demo actions:

- Enter simple contract
- Load contracts file
- Enter simple scenario
- Input scenario file
- Generate reports –
 - P/L, liquidity, valuation,
 - risk, portfolio
- Configure server

Point browser at
Reactive application

Containerized ACTUS Demo



Contributing software to ACTUS Git repos

- All ACTUS software and documentation is a royalty free, open public asset
 - Actus-core source code is handled differently to address us export requirements ; to access email request to Allan Mendelowitz
- The git repos are public, cloneable BUT branches have owners
 - So master, development etc branches not writable directly
- To contribute create a branch – with your name in the relevant repo
 - Add software; write issue addressed ; submit pull request to get approved, integrated and adopted
- => Adding to available open source ACTUS assets encourages wider adoption of ACTUS and helps all endeavors using ACTUS