

Selenium testing example

This could be used in Grouper at some point

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David Shafer 12:37 PM
@mchyzer, you'd asked about our Selenium configuration-- We're using Selenium for acceptance testing with a
Ruby on Rails project. To drive Selenium, we use Capybara (which works well for Rails, but you might need an
alternative). Here's the docker-compose configuration we use, which brings up a PostgreSQL database, the
Selenium server (using the Selenium standalone Firefox configuration), and the application container
(configured to run the test suite): (edited)
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docker-compose.yml
version: "3"

networks:
  client:
  db:

services:
  db:
    image: postgres:9.6
    environment:
      POSTGRES_PASSWORD: "dockerci"
    networks:
      - db
    ports:
      - "5432:5432"

  firefox:
    image: selenium/standalone-firefox:3.141.59-20200409
    environment:
      MOZ_HEADLESS: 1
      START_XVFB: "false"
    networks:
      - client
    ports:
      - "4444:4444"
      - "5900:5900"
    volumes:
      - "/dev/shm:/dev/shm"

  test:
    image: siteadmin
    command: >-
      bash -c "rails db:setup && bundle exec rspec \
        --format d \
        --force-color \
        --profile"
    depends_on:
      - db
      - firefox
    environment:
      DB_CONNINFO: >-
        {
          "dbname": "fmdev",
          "engine": "postgres",
          "host": "db",
          "password": "dockerci",
          "port": 5432,
          "username": "postgres"
        }
      RAILS_LOG_TO_STDOUT: "true"
      SELENIUM_REMOTE_URL: "http://firefox:4444/wd/hub"
      # Note: If below is set to "app" (or any other entry in the HSTS preload
      # list), then Firefox will force HTTPS
      # (https://stackoverflow.com/questions/53961887/selenium-firefox-driver-forces-https)
      CAPYBARA_APP_HOST: "test"
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CAPYBARA_SERVER_HOST: "0.0.0.0"
networks:
  - client
  - db
ports:
  - "3000:3000"
```