Background on cf-toolsuite

Author

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# Solutions Architecture, Tanzu Division @ Broadcom
# Decades in software development
# Spring fan since 2009
# Lives in Pacific Northwest
# Likes: culinary arts, football, travel

# LinkedIn
# Twitter  <-(admittedly not super active)
# Github
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History

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# Origin story

An aerospace company's platform team required some additional insight into applications that
were running on Tanzu Application Service across several foundations.  Commercial opt-in
Telemetry did not exist at that time.

# Nerd reason

A chance to build an end to endreactive stack


# Earlier attempts

https://github.com/pacphi/cf-app-inventory-report
https://github.com/pacphi/cf-service-inventory-report
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History continued

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# What were we trying to achieve?

Improve economics of operation at scale.
Cultivate best practice operating principles.
Connect platform team with development and product teams.
Manifest either a “platform as a privilege” or “platform as a right” culture.
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Now comprised of

- cf-butler
- cf-hoover
- cf-hoover-ui
- cf-archivist
- spring-boot-starter-runtime-metadata
- home

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Frameworks

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Project Reactor
Spring Boot 3.2 (Webflux, R2DBC)
Cloud Foundry Java Client
Java CFEnv
Vaadin, Apex Charts
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With much gratitude and respect to Stephane Maldini

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Notable benefits

Platform teams and CISOs get runtime visibility into velocity of product teams and the operating characteristics of applications and service instances across entire estate

Platform and product teams alike can define policies for governance and reporting purposes

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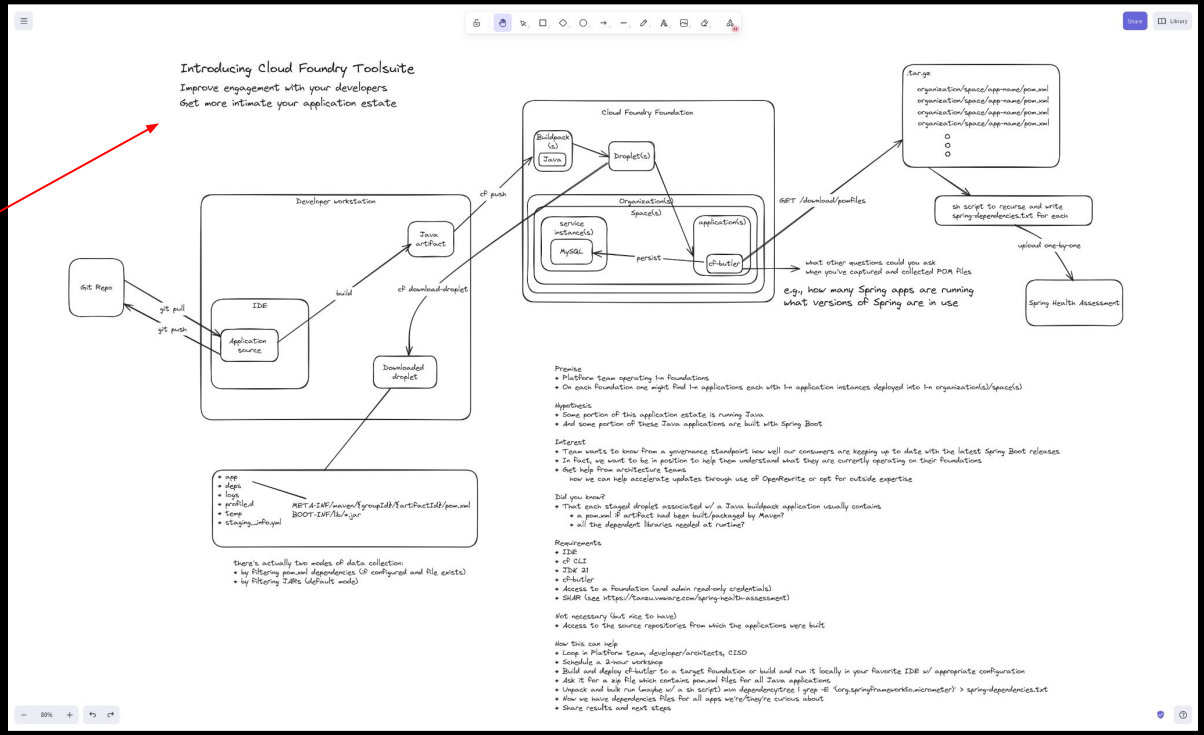
Recent effort

Helping teams conduct assessments



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Currently under consideration

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# Features

Upgrade buildpack policy

Custom buildpack to add spring-boot-starter-runtime-metadata
to Spring Boot applications on cf push

# Guidelines

Document tools and practices while working on these projects either to
troubleshoot and fix defect or implement new features

How can I make it easier for community to contribute?
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