JUNE 9-11
2014

CLOUD FOUNDRY SUMMIT
SAN FRANCISCO

cfsummit.com

IBM. **vm**ware® Pivotal® hp

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JAVA BUILDPACK YEAR IN REVIEW

Statistics

- 420 commits since 9 September, 2013
- Updating existing functionality
- Expanding supported platforms
- Changes based on community feedback
- Incorporating community contributions

Updated Dependencies

- **228** New dependency versions

- AppDynamics, Spring Auto-reconfiguration, Groovy, MariaDB JDBC, New Relic, OpenJDK, Play JPA Plugin, PostgreSQL JDBC, Spring Boot CLI, Tomcat, and more…

Newly Supported OSs

- CentOS 6

- Trusty Tahr (14.04)

- Mavericks (10.9)

- *Lucid Lynx (10.04)*

- *Mountain Lion (10.8)*

- *Precise Pangolin (12.04)*

Auto-reconfiguration

- Auto-reconfiguration supported in more application types
  - `distZip`
  - Servlet 3
- Spring Boot applications
  - Waiting on `1.1.0.RELEASE`

Extension Abstractions

- Major feature in v2.0

- Sandboxing

- `Application` and `Droplet` abstractions

- Reduce production and test code by 50%

Community Contributions

- Support for HTTP(S) proxies

  - *Jan Dubois*

- Improved Tomcat Container Logging

  - *Guillaume Berche and Mike Youngstrom*

- JBoss Buildpack Fork

  - *Colin Humphreys*

REDIS SESSION REPLICATION

Redis Session Replication

- Tomcat Persistent Manager Store

  - ASLv2 Licensed

- Synchronously persists HTTP sessions to Redis

- Zero-touch configuration if bound Redis service contains `session-replication` in name, label, or tag

BUILDPACK PACKAGING

Buildpack Packaging

- Useful with the `cf create-buildpack` and `cf update-buildpack` commands

- Three styles of buildpack

  - Online (*easy*) Mode

  - Expert (*hybrid*) Mode

  - Offline (self-*contained*) Mode

Buildpack Packaging

- Online Mode

  - Automatically updated dependencies

  - Requires network access

- Offline Mode

  - No network access required

  - Users responsible for updating dependencies

Oracle JRE Support

Tomcat Container Logging

CentOS 6

HTTP(S) Proxies

Auto-reconfiguration

Ratpack Support

Zero-touch Spring Insight

Trusty Tahr

Repository Replication

JBoss Buildpack

PostgreSQL JDBC

MariaDB/MySQL JDBC

Unified Repository Root

Updated Dependencies

Component Abstraction

AppDynamics

distZip applications

Buildpack Identification

OS X Mavericks

Shameless Self-Promotion

- Java Applications in the Cloud

  - Level Three, Tower Two, Grand Ballroom B

  - Snacks and Drinks from 1800-1900

  - Talk from 1900-2030

- Free, but requires a ticket through Eventbrite

https://github.com/nebhale/cfsummit-2014

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