Digital Transformation with Cloud Foundry: What Works and What Doesn’t?

@renatco

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Why are we here?
"Your major competitor in 10 years - if you survive that long - probably does not exist today”

Steve Prentice
Vice President and Gartner Fellow
Gartner
Figure 1: Deloitte’s Digital Disruption Map

The diagram illustrates the impact and timing of various industries, categorized into short fuse, big bang and long fuse, small bang sectors. Industries such as ICT and media, retail trade, finance, professional services, arts and recreation, real estate, accommodation and food services, construction, wholesale trade, manufacturing, mining, government services, utilities, health, education, agriculture, recruitment and cleaning, transport and post are plotted on a graph with impact (% change in business) on the y-axis and timing (years) on the x-axis. The graph distinguishes between short and long fuse categories, indicating the disruptive nature and timeline of technological and economic changes across different sectors.
Reality check #1

Converting <Company ABC> into software company

digital transformation
Reality check #2

Faster <application development> cycles

new revenue
Reality check #3

Making \( <n> \) “killer apps” generating revenue

sustainable advantage
What can we learn from Cloud Foundry *<Platform Pioneers>*?
IBM BLUEMIX CATALOG as of March 17, 2016

399 SERVICES

17 CATEGORIES

- Risk and Compliance: 25
- Security: 35
- IoT: 25
- Analytics and Big Data: 116
- Process Automation: 50
- Sales and Marketing: 25
- Operations Support: 45
- Messaging: 27
- Mobile: 38
- Data Management and Storage: 22
An app store of APIs and apps for banks and financial services firms?

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SECURITY

- **Tenant Management**
  Use this service to provision service instances for a tenant and provide runtime access.

- **User Account and Authentication**
  Use this service for a full-featured OAuth 2.0 server.

- **Access Control Service**
  Use this service to provide a more powerful framework than basic User Account and Authentication.

INTELLIGENT ENVIRONMENTS

- **Traffic Planning**
  Optimize operations and planning with vehicle traffic data (in beta).

- **Parking Planning**
  Optimize operations and planning with vehicle parking data (in beta).

- **Pedestrian Planning**
  Capture real-time and historical insights of pedestrian movement (in beta).

- **Public Safety**
  Obtain media such as photos and video to enhance safety awareness (in beta).

- **Indoor Positioning**
  Capture mobile device indoor locations with 10cm accuracy (in beta).

- **Enterprise Environment**
  Optimize operations and energy efficiency with environment sensor data (in beta).
Would you like GE to sell your own <app>?
Disruptive forces = Tech (AI+APIs+P2P+IoT+Blockchain +(n))

X

millions (or just thousands) of developers you can’t afford to employ directly
The future App Stores of Cloud Foundry <Platform Pioneers>?
Can you show me a B2B App Store example?
WHAT WE DO

Altoros helps Global 2000 organizations digitize revenue streams by integrating solutions offered by the Cloud Foundry ecosystem.

- Delivered by Altoros
- Delivered by partners

Popular!

- PROOF OF CONCEPT & IMPLEMENTATION
- APP DEVELOPMENT & MICROSERVICES
- UPDATES, DISASTER RECOVERY & COMPLIANCE (PCI, HIPAA)
- TRAINING: FOR OPERATORS FOR DEVELOPERS

Popular!

- CLOUD FOUNDRY
- Pivotal CF
- IBM Bluemix™
- HP Helion
- Predix
We highly recommend Altoros to rapidly build complex applications using cutting edge technologies. Again, great job!

Christopher Adorna, Sony Design Center, LA
WHO WE ARE

256+

Employees
50% application developers,
graphic designers and data scientists
30% Cloud Foundry & Cloud DevOps

70% Male
30% Female

Join us on an average month.

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Business Case #1: Platform & App Store for DNA Analysis
Business Case #2: Platform & **App Store for Managed Private Cloud**
(50+ data centers, network, interconnect, PCI/FDA/HIPAA compliance, DR, Cloud Foundry as a Service)
Everyone is at risk of being disrupted. Cloud Foundry *is not exception*.
Zen and the Art of Staying True to Its Mission
Solidifying Cloud Foundry as the #1 platform for apps...

1. Incentivize industry-specific contributions
Solidifying Cloud Foundry as the #1 platform for apps...

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Solidifying Cloud Foundry as the #1 platform for apps...

1. **Incentivize industry-specific contributions**

2. **Widen workload support (UDP, metering of 3rd parties, embedded)**

3. **Standardize service broker interface for top 5-10 services in major industries**

4. **Become de-facto standard for Smart Cities, Industry 4.0...**
Because a rising tide lifts all boats...
Missed Cloud Foundry Training?

Course 1: For Developers

Course 2: For Operators

Course 3: For DevOps Engineers

http://cf-training.altoros.com

CF for DevOps engineers 0 / 6 Complete

Learn how to bootstrap BOSH and use it to deploy Cloud Foundry and other distributed software. The advanced section also provides a more in-depth overview of BOSH internals.

001 Install BOSH with bosh-init
Learn how to configure your AWS account and install BOSH to deploy distributed software.

002 Install Cloud Foundry
Follow the steps to install you own, full-fledged Cloud Foundry PaaS, using BOSH.

001_Create BOSH release
Learn how to package your software so it can be deployed and then managed by BOSH.
Thank you!

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