INDEX
SAN FRANCISCO

Discover. Collaborate. Deploy.

Rapidly develop cloud native applications using IBM Cloud Foundry

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http://ibm.biz/BdZ4wP

Agenda

- Introduction <= you are here!
- Lab 1 – hands on with Cloud Foundry on IBM Cloud
- Cloud Foundry Basics
- Lab 2 – hands on with Cloud Foundry CLI
- The 12-factors and IBM Cloud Foundry
- Lab 3 – Using toolchains for CD of Cloud Foundry apps

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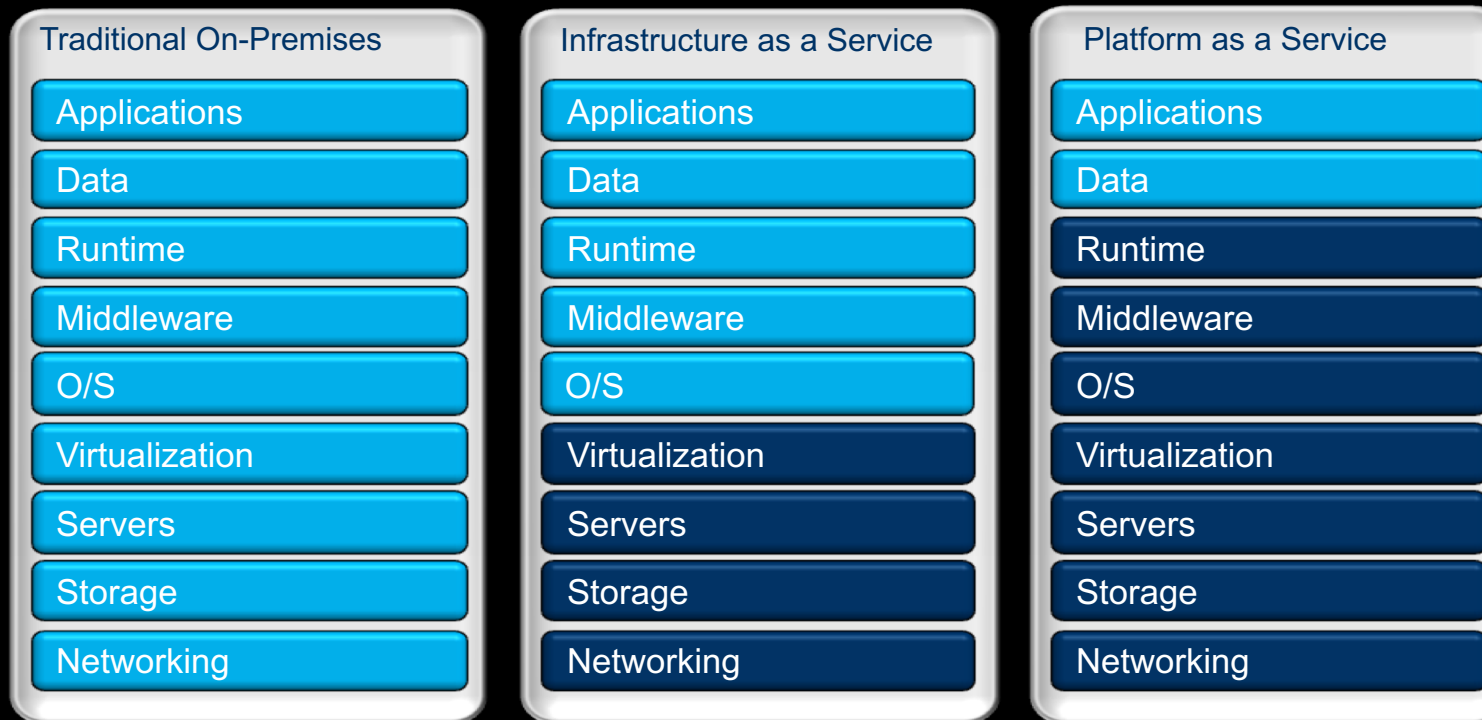
What is Cloud Native?

• Scale effortlessly

• Update or roll back painlessly

• Handle differing environments practically

What are the Twelve Factors?

1. Codebase
2. Dependencies
3. Config
4. Backing services
5. Build, release, run
6. Processes
7. Port binding
8. Concurrency
9. Disposability
10. Dev/prod parity
11. Logs
12. Admin processes

Platform as a Service – good fit for Cloud Native

Traditional On-Premises	Infrastructure as a Service	Platform as a Service
Applications	Applications	Applications
Data	Data	Data
Runtime	Runtime	Runtime
Middleware	Middleware	Middleware
O/S	O/S	O/S
Virtualization	Virtualization	Virtualization
Servers	Servers	Servers
Storage	Storage	Storage
Networking	Networking	Networking

■ Developer (you!) Manages   ■ Provider Manages on cloud

Using PaaS means not having to worry about:

Health management
Load balancing
Scaling
Deployment
OS patching
OS security hardening

Just bring your code and data – the rest is someone else's problem

Cloud Foundry providers

- Atos Cloud Foundry
- Fujitsu Cloud Service K5
- Huawei FusionStage
- IBM Cloud Foundry
- Pivotal Cloud Foundry
- SAP Cloud Platform
- Swisscom Application Cloud

https://www.cloudfoundry.org/certified-platforms/

Cloud Foundry Day – San Francisco

When: 2pm-6pm Today

Location: Here!!

CLOUD F**Q**UNDRY

- Latest CF development projects

- New features for CF CLI

- Meet developers and leaders from CF community

1:30pm-2pm – registration
2pm-5pm – presentations and panel
5pm-6pm – networking event (food & drinks)

Lab 1 – Deploy a Cloud Foundry App

Github gist with presentations and all labs:

http://ibm.biz/BdZ4wP

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