IBM SolutionsConnect 2015

Seize the Moment. Dive into Next Generation Technologies.

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IBM SolutionsConnect 2015

Seize the Moment. Dive into Next Generation Technologies.

IBM Bluemix™

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IBM Software Architect
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D COST Seafood

Mutu ★★★★★ Harga

JL. PURI LINGKAR LUAR BARAT, PURI INDAH, JAKARTA BARAT
(GEDUNG ELECTRONIC CITY), TELP.(021) 58301988

MUTU BINTANG 5	HARGA KAKI 5
NASI PUTIH - per Orang	1.000 Semaunya
LALAP	1.000 / PORSI
SAYUR ASEM	2.800 / PORSI
PETE BAKAR - 1 papan	2.800 / PORSI
TERONG BAKAR	2.800 / PORSI
TAHU / TEMPE (BAKAR / GORENG) - Isi 3	2.800 / PORSI
SAMBAL TERASI / MANGGA	2.800 / PORSI
TUMIS KANGKUNG	4.800 / PORSI
TAUGE IKAN ASIN	4.800 / PORSI
BABY KAILAN SAUS TIRAM	4.800 / PORSI
KERANG HIJAU SAUS TIRAM / SAUS PADANG	4.800 / PORSI
NASI / BAKMI / BIHUN GORENG	6.800 / PORSI
NASI / BAKMI / BIHUN GORENG SEAFOOD	9.800 / PORSI
KERANG BAMBU SAUS TIRAM / SAUS PADANG	9.800 / PORSI
TAHU KIPAS - Isi 3	13.800 / PORSI
CUMI GORENG TEPUNG / GORENG MENTEGA	13.800 / PORSI
CUMI SAUS PADANG	13.800 / PORSI
UDANG PANCET BAKAR / SAUS PADANG - Isi 4	21.800 / PORSI
UDANG PANCET LADA HITAM - Isi 4	21.800 / PORSI
UDANG PANCET GORENG MENTEGA - Isi 4	21.800 / PORSI
UDANG MAYONAISE - Isi 3	21.800 / PORSI
IKAN PATIN BAKAR / TIM	26.800 / PORSI
IKAN GURAME BAKAR / GORENG	26.800 / PORSI
IKAN KUWE PUTIH BAKAR / GORENG	26.800 / PORSI
IKAN KERAPU BAKAR	26.800 / PORSI
IKAN KAKAP BAKAR	26.800 / PORSI
IKAN BAWAL HITAM BAKAR	32.800 / PORSI
KEPITING SAUS MENTEGA / SAUS PADANG	32.800 / PORSI
KEPITING LADA HITAM (musiman)	32.800 / PORSI
KEPITING SOKA CABE GARAM (musiman)	32.800 / PORSI
KEPITING TELUR (musiman)	37.800 / PORSI
IKAN BARONANG BAKAR / GORENG	42.800 / PORSI
KEPITING JUMBO (musiman)	52.800 / PORSI

MINUMAN	
TEH TAWAR - per Orang	100 Semaunya
ES TEH TAWAR - per Orang	250 Semaunya
TEH MANIS	250 / GELAS
ES TEH MANIS	500 / GELAS
AQUA BOTOL / TEH BOTOL / SOFT DRINK	1.800 / BOTOL
ES LEMON TEA	3.800 / GELAS
JERUK NIPIS / PERAS (ES / HANGAT)	3.800 / GELAS
JUS ALPUKAT / MELON / BELIMBING	4.800 / GELAS
JUS JAMBU KLUTUK MERAH	4.800 / GELAS
JUS SIRSAK (musiman)	4.800 / GELAS
KELAPA JERUK	4.800 / GELAS

neration Technologies.

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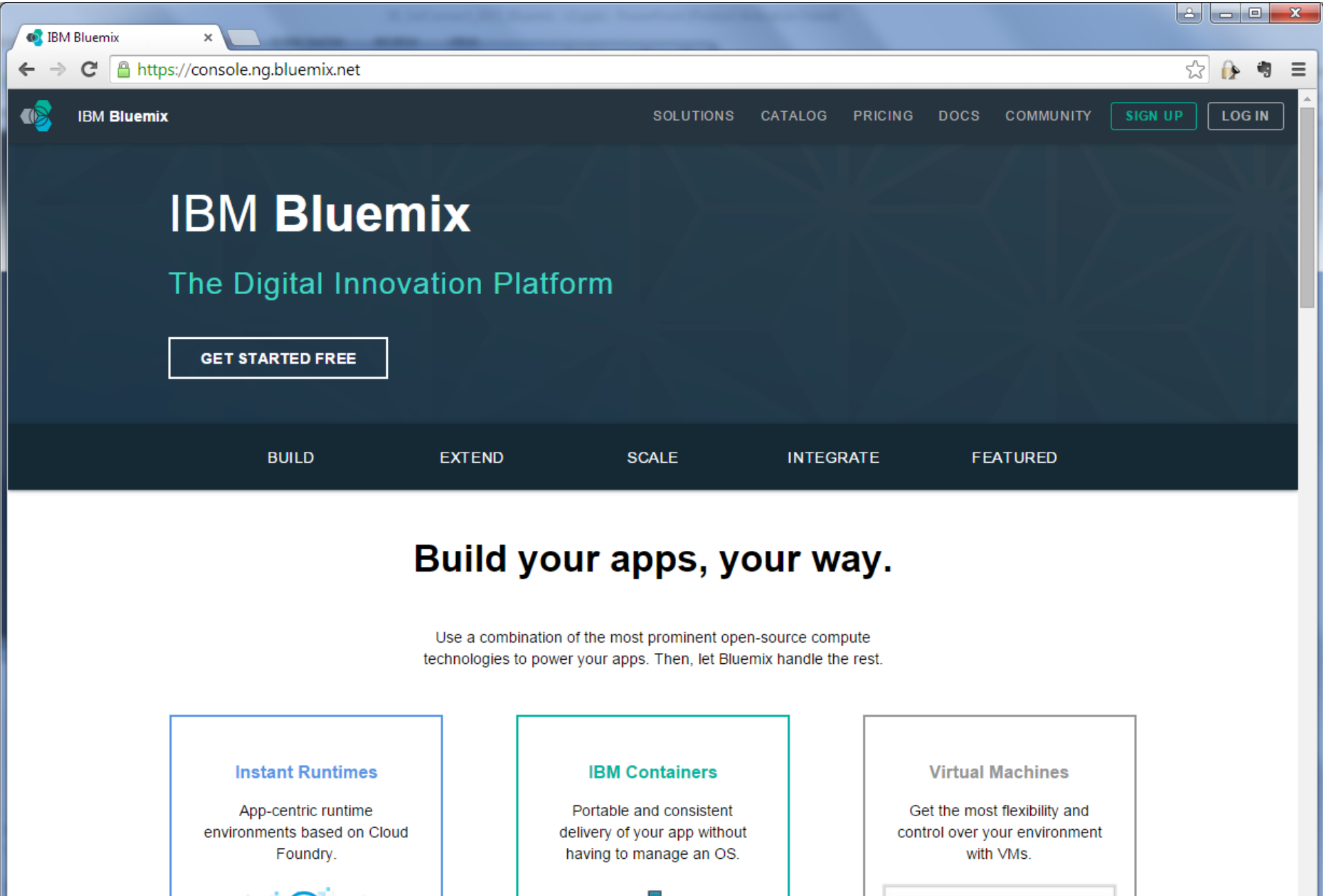
IBM Bluemix
https://console.ng.bluemix.net
IBM Bluemix
SOLUTIONS
CATALOG
PRICING
DOCS
COMMUNITY
SIGN UP
LOG IN
IBM Bluemix
The Digital Innovation Platform
GET STARTED FREE
BUILD
EXTEND
SCALE
INTEGRATE
FEATURED
Build your apps, your way.
Use a combination of the most prominent open-source compute technologies to power your apps. Then, let Bluemix handle the rest.
Instant Runtimes
App-centric runtime environments based on Cloud Foundry.
IBM Containers
Portable and consistent delivery of your app without having to manage an OS.
Virtual Machines
Get the most flexibility and control over your environment with VMs.

IBM Bluemix

Platform as a Service

- Customer Managed
- Service Provider Managed

- Code
- Data
- Runtime
- Middleware
- OS
- Virtualization
- Servers
- Storage
- Networking

Focus on Apps and Data,
And not Infra

IBM **Bluemix**

Time to initial deployment

Core IT ~ Weeks

IaaS ~ Days

~ Minutes

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http://bit.ly/love-cloud

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Why should I use Bluemix?

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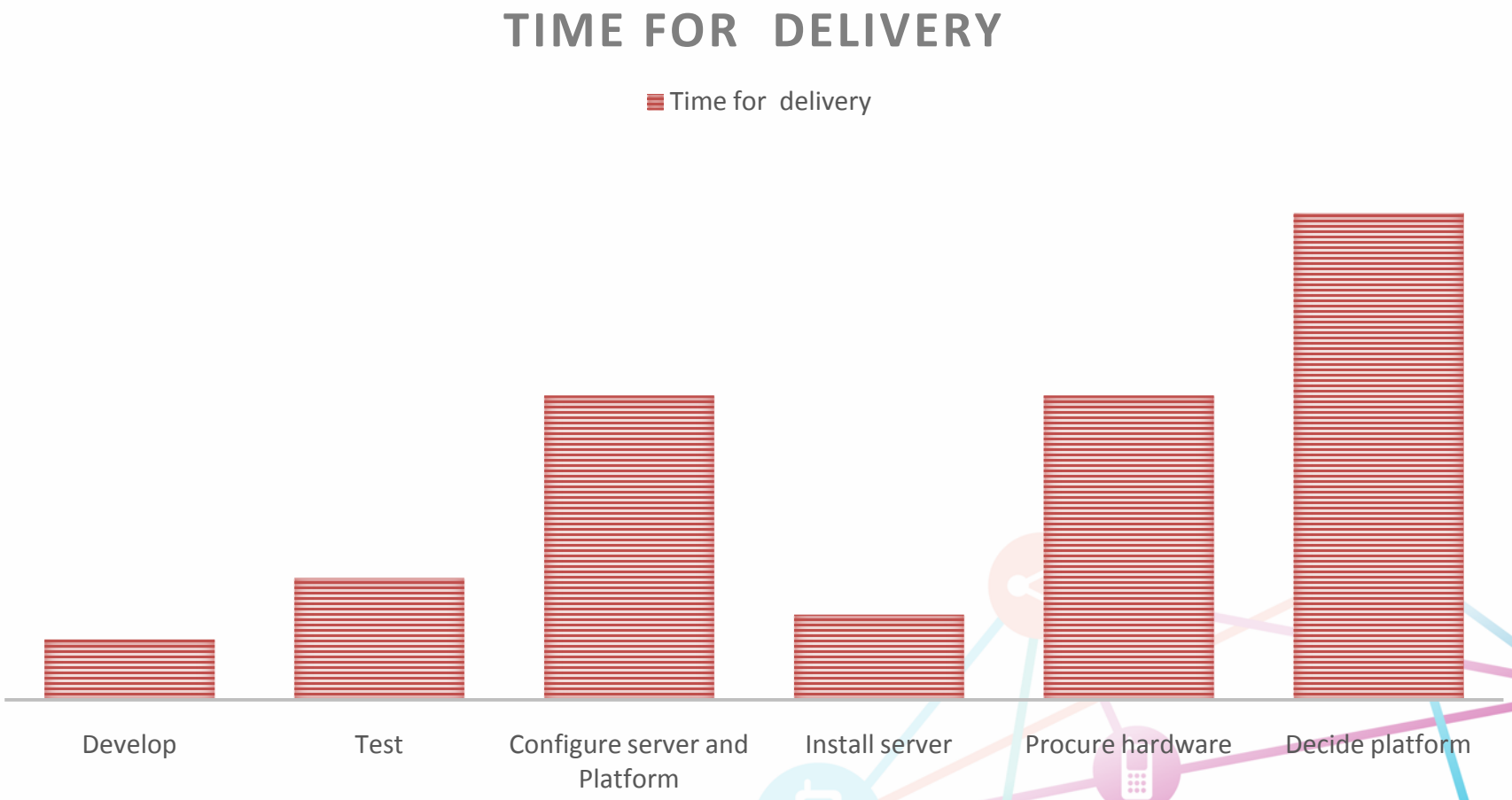
1. Time to Market

*Create Innovative **Apps**: How long does it take?*



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*Note: *) .net and .xsp is not released yet at the time of speaking.*

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Cloudant NoSQL DB
IBM

DataWorks
IBM

Object Storage (v2)
IBM *BETA*

SQL Database
IBM

ClearDB MySQL Data...
Third Party

ElephantSQL
Third Party

MongoLab
Third Party

File Sync as a Service
Community

DB2Graph
Experimental

Domino Data
Experimental

mongodb
Experimental

mysql
Experimental

postgresql
Experimental

Probabilistic Match
Experimental

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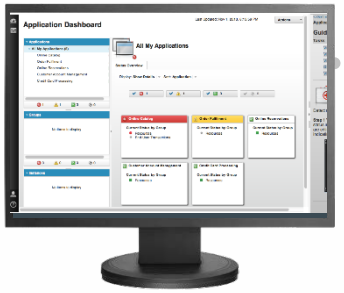
Ensure **quality** and **speed** across the application lifecycle with **DevOps**



Application Performance Management

Sense

Detect that a problem occurred, or is about to happen

Isolate

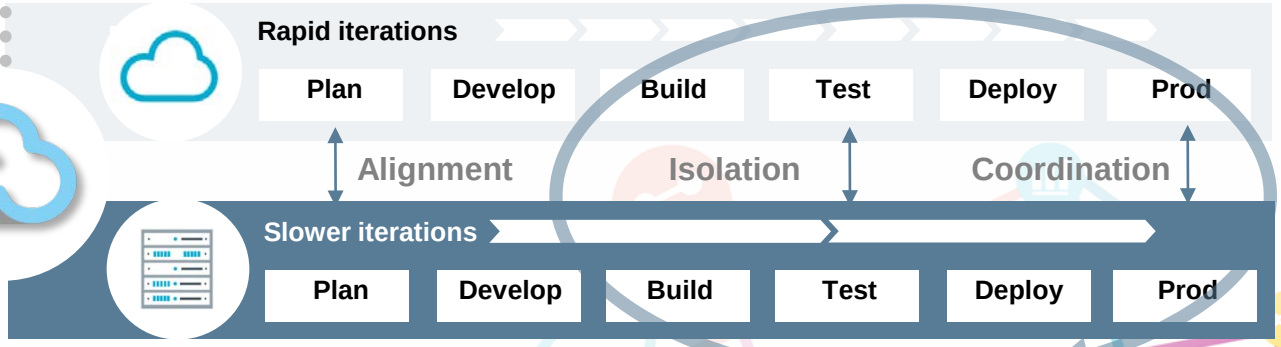
Pinpoint the problem to a specific part of the environment

Diagnose

Drill down into the details and get to the root cause

Deploy a fix leveraging a common delivery pipeline across both clouds and traditional infrastructure, **bridging the gap in two speed IT**

Deployment Automation



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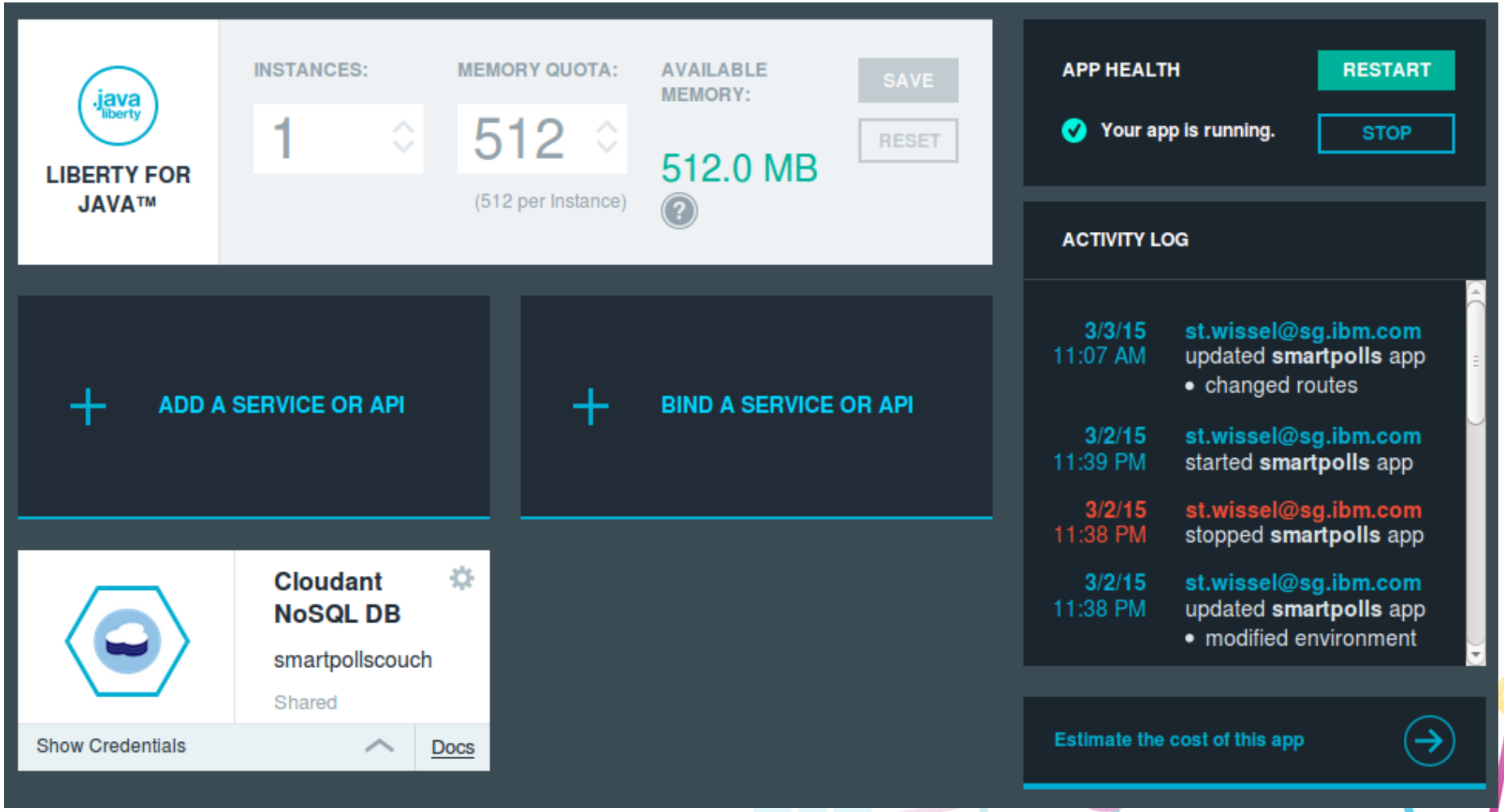
Keep you Informed and in Control



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2. Innovation

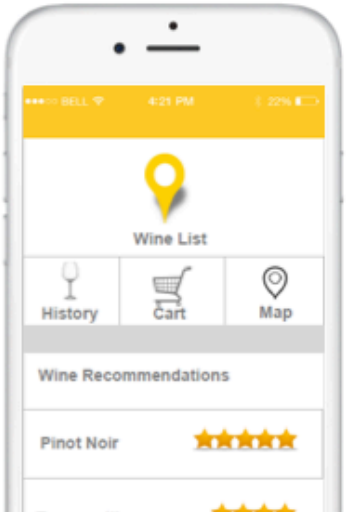
To really disrupt, a business should focus on building differentiation and rent the rest

Devs can quickly compose apps with new APIs and digital services to add features and increase engagement in areas like:

- Analytics, cognition
- Mobile, location
- Internet of Things
- Social engagement
- Identity
- Reviews
- Travel
- Messaging

…

- His/her company's private APIs and services

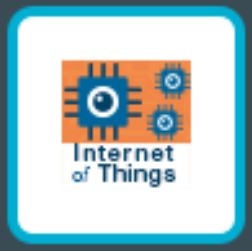


Domino XPages Start...

IBM

Forms Experience Buil...

IBM



Internet of Things Fou...

IBM

Java Cache Web Starter

IBM

Java Cloudant Web St...

IBM

Java DB Web Starter

IBM

Mobile Cloud

IBM

MobileFirst Services S...

IBM

Node.js Cache Web St...

IBM

Node.js Cloudant DB ...

IBM

Node.js Spark Service

IBM

Personality Insights Ja...

IBM

Personality Insights N...

IBM

Test SQL DB Plan Star...

IBM

Node-RED Starter

Community

Concept Expansion

IBM *BETA*

Concept Insights.pstg

IBM *BETA*

IMARS-image-tagger

IBM *BETA*

Language Identification

IBM *BETA*

Machine Translation

IBM *BETA*

Message Resonance

IBM *BETA*

Personality Insights_p…

IBM

Question Answer

IBM *BETA*

Relationship Extraction

IBM *BETA*

Speech Recognition

IBM *BETA*

Speech To Text.pstg

IBM *BETA*

Text to Speech

IBM *BETA*

Text to Speech.pstg

IBM *BETA*

Tradeoff Analytics.pstg

IBM *BETA*

Travel Ideation Lab Se…

IBM *BETA*

User Modeling

IBM *BETA*

Visual Recognition.pstg

IBM *BETA*

BluePulse

Experimental

Deep Parsing and Na…

Experimental

Question-Generation

Experimental

SemanticExpansion

Experimental

COGNITIVE

Advanced Mobile Access

IBM *BETA*

Mobile Application Sec...

IBM

Mobile Data

IBM

Mobile Quality Assura...

IBM

Push

IBM

Push iOS 8

IBM *BETA*

Twilio

Third Party

Mobile Quality Extensi...

Experimental

MOBILE

DEVELOPING THE INTERNET OF THINGS

More than half of all mobile developers are already exploring the Internet of Things

53% of mobile developers are working on IoT projects

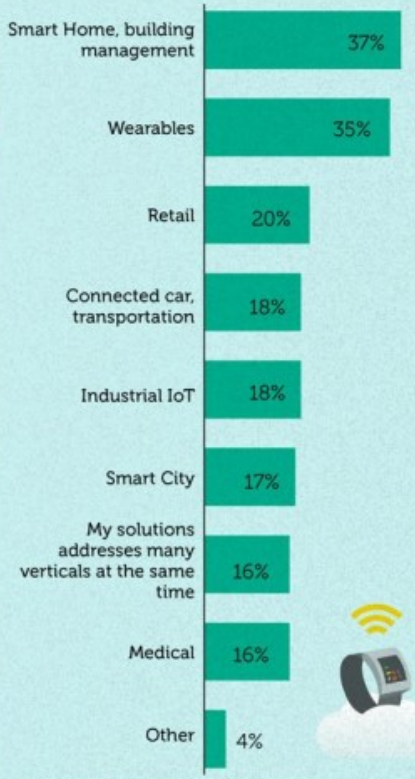
The **majority** of those involved are exploring the Internet of Things as a hobby or side project

Involvement in IoT development ↓ / Involvement in mobile development →	As a hobby	As a side project (this is not my main occupation)	As an independent developer (this is my main occupation)	I work for a company and this is their main business	My organisation does this development internally but it's not their core business	My organisation outsources this development to third parties	We provide tools or services to these developers
As a hobby	31%	29%	29%	28%	29%	30%	28%
As a side project (this is not my main occupation)	18%	19%	20%	17%	19%	20%	21%
As an independent developer (this is my main occupation)	12%	11%	20%	12%	13%	16%	16%
I work for a company and this is their main business	13%	13%	13%	23%	16%	20%	22%
My organisation does this development internally but it's not their core business	14%	14%	15%	15%	24%	20%	24%
My organisation outsources this development to third parties	9%	9%	10%	11%	13%	19%	17%
We provide tools or services to these devepopers	10%	11%	10%	11%	13%	17%	27%
Not involved	48%	49%	44%	42%	43%	44%	39%

High % of mobile developers — Low % of mobile developers

Popularity of IoT markets

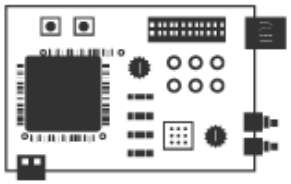
Smart Homes and wearables by far the most targeted



% of IoT developers targeting each market

Source: State of the Developer Nation Q1 2015 | vmob.me/DE1Q15 | Licensed under CC BY ND | February 2015 | Copyright VisionMobile

How it works



Your device or gateway

We start with your device, be it a sensor, a gateway or something else.
To find out how to get it connected, search our recipes.

MQTT

Your device data is sent securely up to the cloud using
the open, lightweight MQTT messaging protocol.

api

REST & Real-time APIs

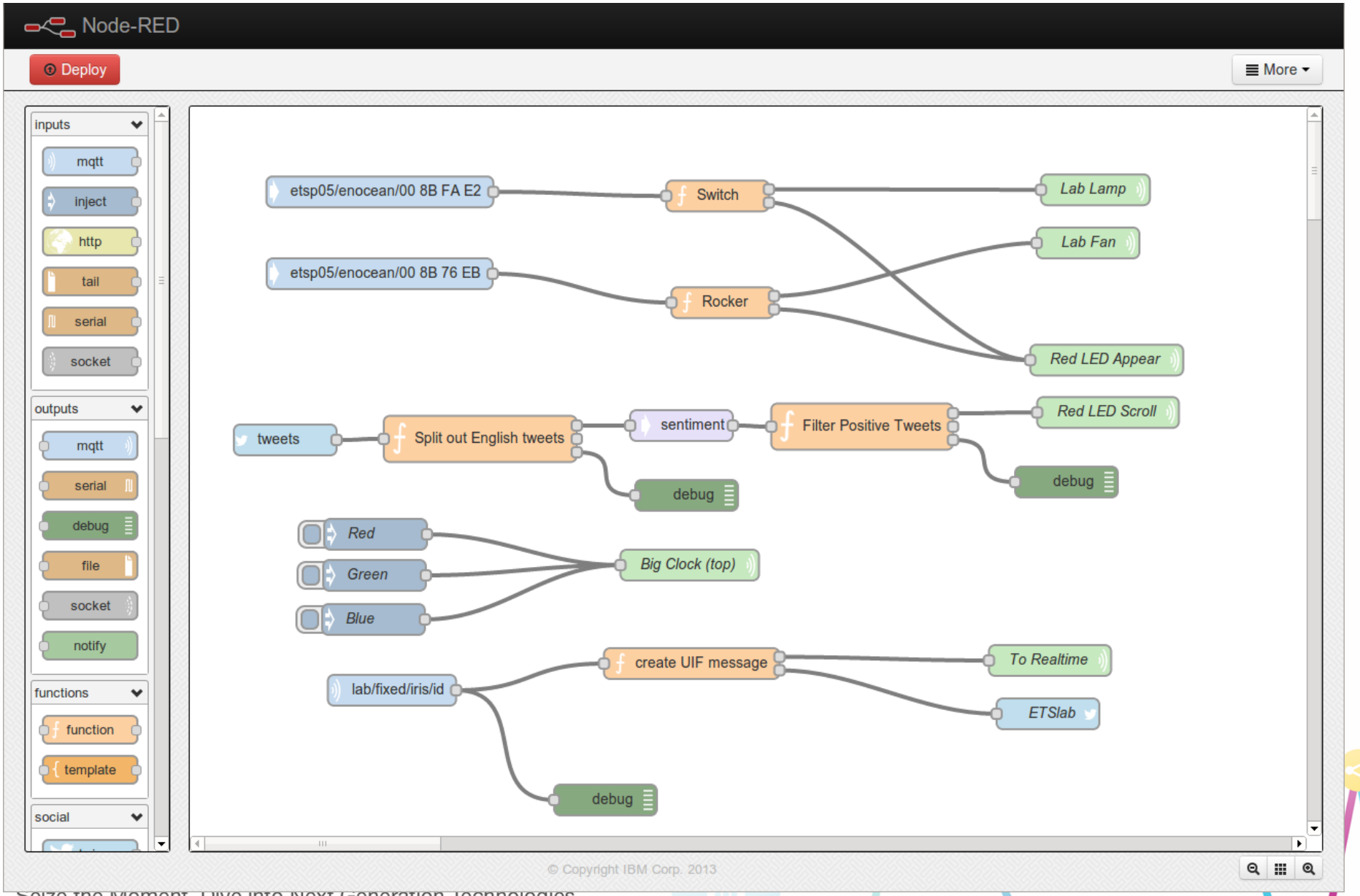
Use our secure APIs to connect your apps
with the data coming from your devices.

IBM Internet of Things Foundation

This is the hub of all things IBM IoT. This is where you can
setup and manage your connected devices so that your
apps can access their live and historical data.

Your application and analytics

Create applications within IBM Bluemix, another cloud,
or your own servers to interpret the data you now have access to!



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3. Economic

Choose your Bluemix pricing plan:

For individuals and startups

Pay as you go

- **Pay only after** free monthly service credits and free runtime credits to run three 512MB apps free per month.
- Includes support from IBM-moderated forum and developers community.

Pay as you go + extended support

- All basic pay-as-you-go features.
- **PLUS** additional support, including guaranteed responses from IBM on help tickets or support inquires.

For business customers

Subscription

Contact the Bluemix sales team for volume discounts and custom support packages.

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Mobile Data

Shared

- 2 GB of free data storage — $1.05 USD / GB
- 50,000 Light API calls free — $0.0315 USD / 1000 Light API Calls
- 10,000 Heavy API calls free — $0.1575 USD / 1000 Heavy API Calls

Mobile Quality Assurance

Standard plan

- 100 free devices per application — $208.95 USD / Application
- $0.021 USD / Device

Push

Standard

- One million free push notifications per month — $21.00 USD / Million push notifications

Push iOS 8

IBM *Beta*

Enterprise integration, data, and API management

Five key integration, data, and API management capabilities are now built directly into Bluemix, making hybrid application architecture even easier and more flexible.

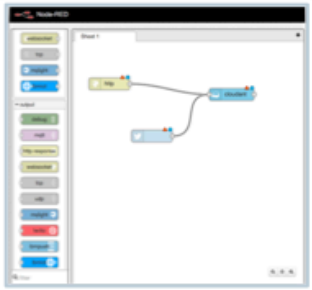
Securely access data and applications in other clouds, enterprise data centers and locally on developer laptops

Secure Gateway

DataWorks

Data services like: Shape data, load data, provision masked data, profile data, and classify data let you **prepare your data** for use in production apps

Create REST APIs from on-premises or cloud endpoints (DB2, SFDC, etc). Assemble multiple APIs into a single API using Node-RED for composition



Connect and Compose

API Management

Publish, promote, and oversee your APIs in a secure, scalable environment. Includes the creation of end user support resources that define and document the API

Find the right API for your app. Built from a corpus of the world's public APIs, it understands relationships between already selected APIs and new ones being searched

API Harmony

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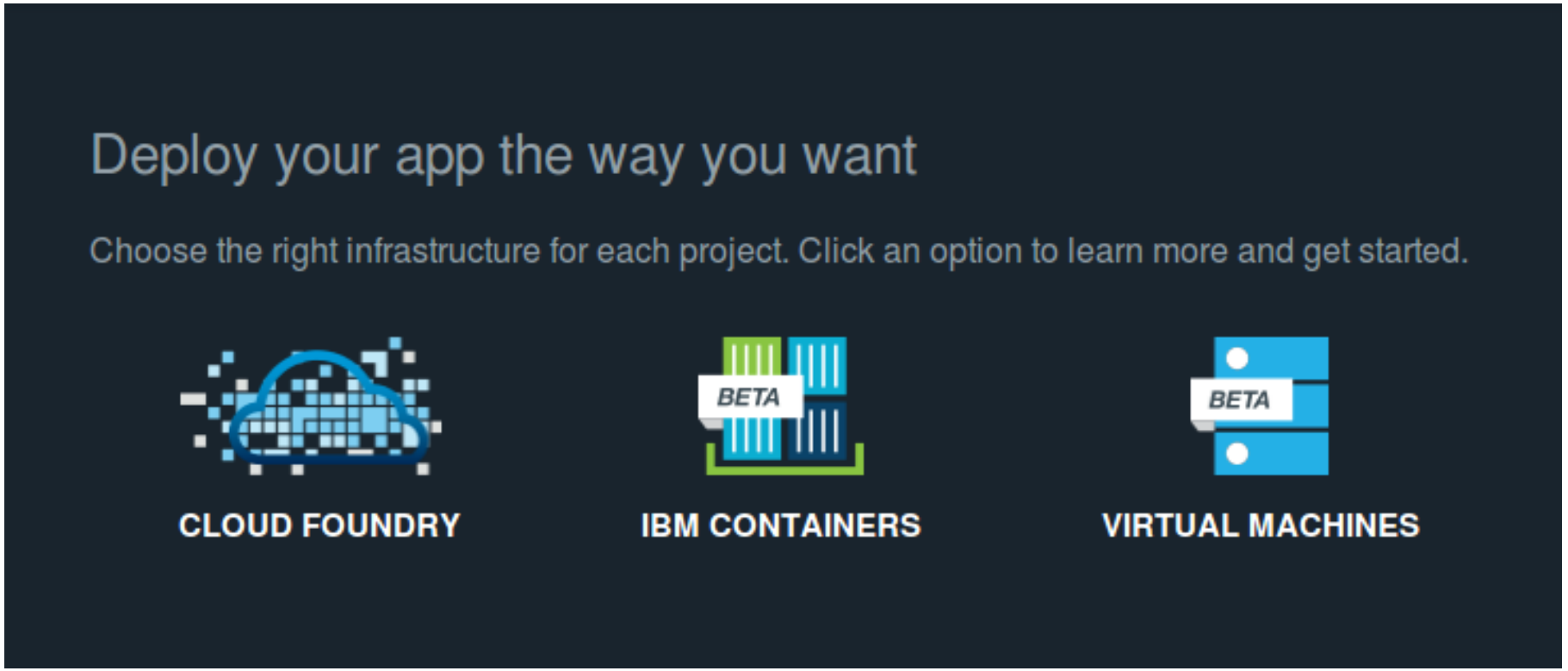

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IBM Bluemix Editions

1. Public

Multi-tenant public cloud rolling out globally.

- 30 day trials
- Free basic usage
- Pay as you go
- Subscription

2. Dedicated

Bluemix in an isolated SoftLayer private cloud.

3. Local

Bluemix delivered as a managed service in your data center.

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1. Time to Market
2. Innovation
3. Economic

Try now! Free 30 days

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Seize the Moment. Dive into Next Generation Technologies.

Thank You

Denny Muktar
mdenny@id.ibm.com

IBM

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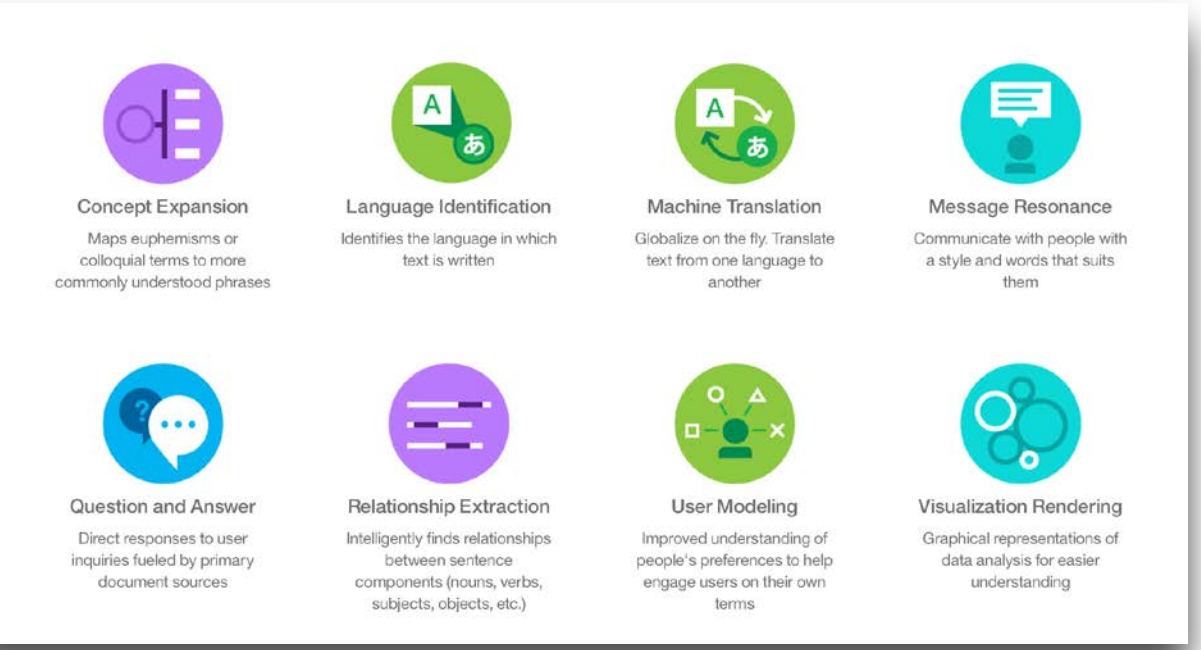
Build cognition into your apps with Watson

Watson is creating a new partnership between people and computers that **accelerates**, **enhances**, and **scales human expertise**.



- **Eight cognitive services**
- **Available only in Bluemix**
- **What customers are saying:**

red ant

*"we're able to work with cognitive computing capabilities that **we couldn't dream of creating ourselves** - it's a fantastic opportunity and a real **chance to transform our industry**"*

eyeQ

*"…we were able to **quickly and easily embed Watson's capabilities** into our eyeQ insights platform to provide an even **more personalized shopping experience**"*

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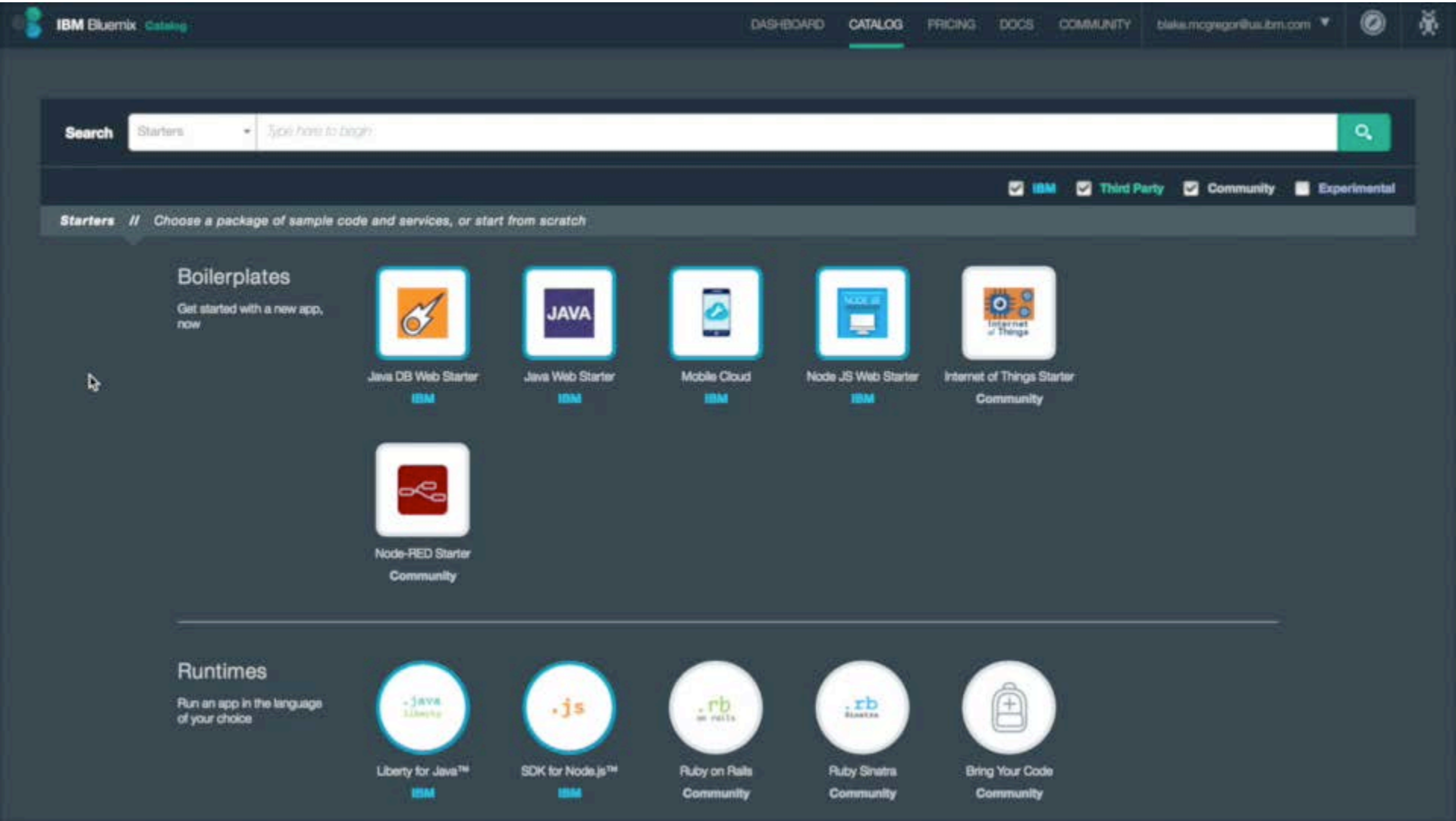
www.bluemix.net

All the instant services, runtimes, and infrastructure you need to **push your ideas into the present**.

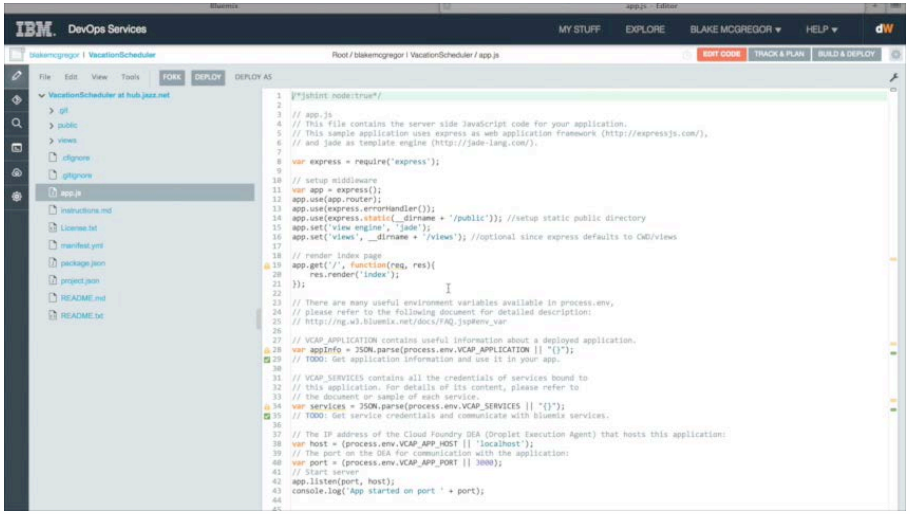


Pick your own development tooling

Code wherever you work best. Deploy in seconds.

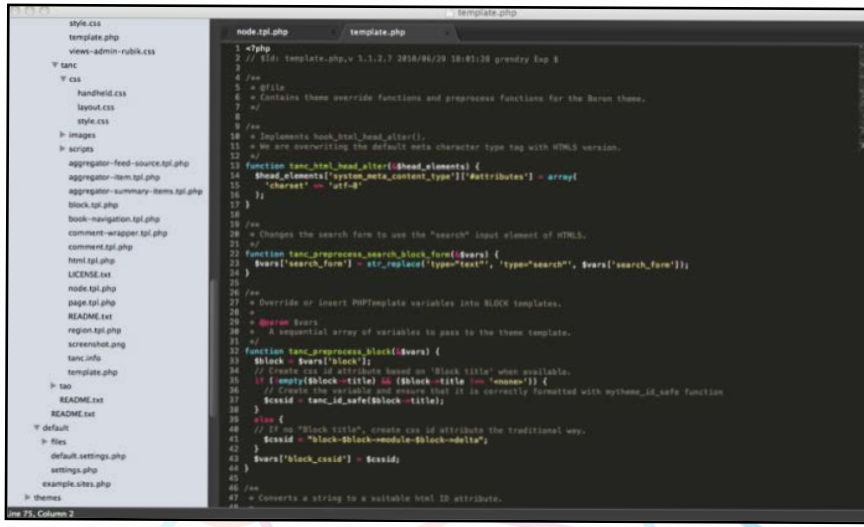
IBM provided

Fully integrated repository and web editor to deploy directly to Bluemix.



Use your own

Use your editor (e.g. Sublime, Eclipse) and deploy through the Cloud Foundry command line.



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- IBM Bluemix is IBM's PaaS / IaaS service
- Catalog has > 100 entries, growing rapidly
- Build on Open Standards
  - CloudFoundry
  - OpenStack
- Available in 3 flavors:
  - Public cloud
  - Private cloud
  - On premises cloud

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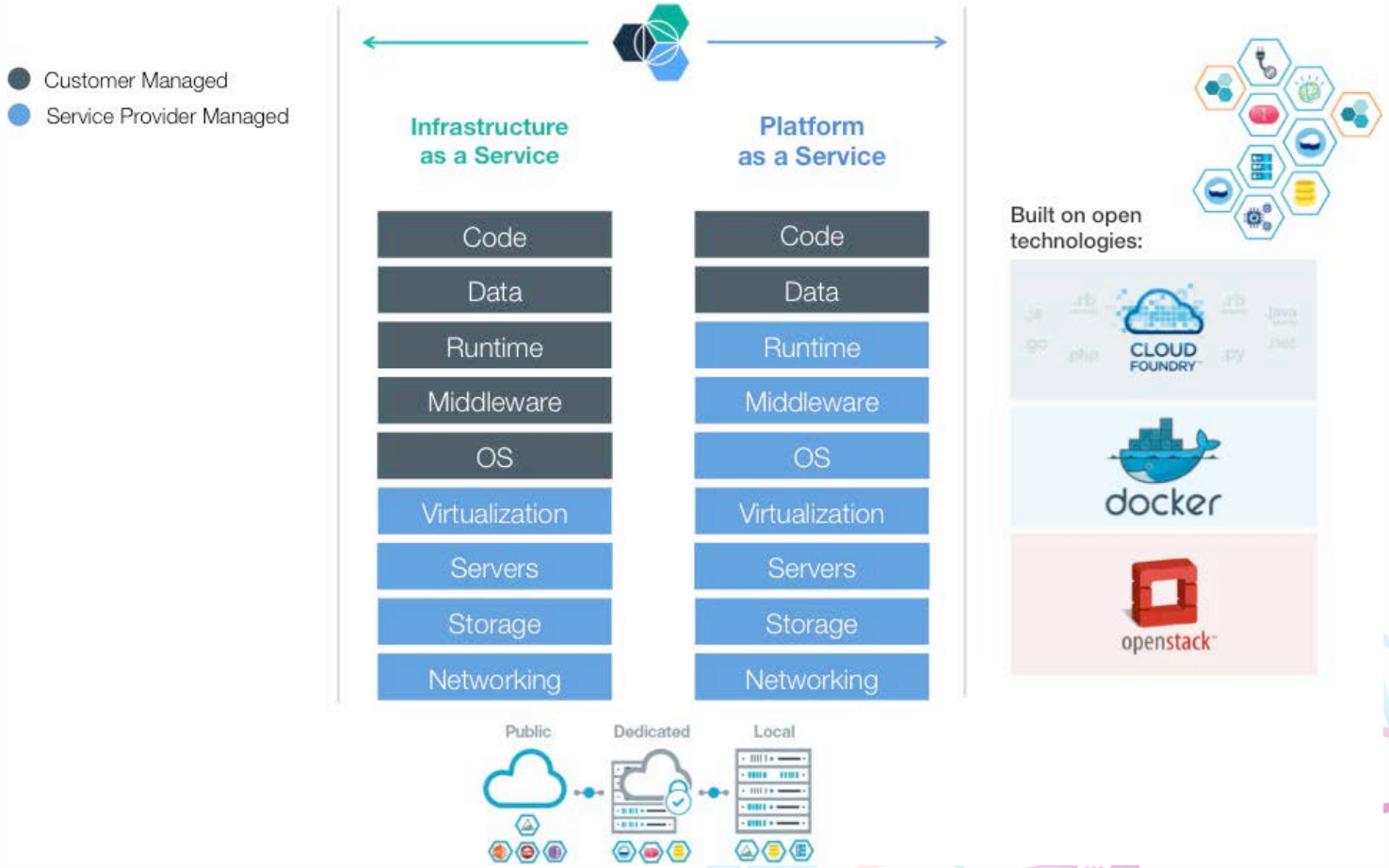
Introducing IBM Bluemix



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MobileFirst Platform for iOS

- **Sync** and **scale** data with Cloudant NoSQL DB
- Keep apps healthy by monitoring **performance**
- Engage users with **push** notifications

Watson Services

- Understand and respond to users, text, speech and media in ways never previously possible

Insights for Twitter

- Support and drive the most complex social media apps

Create amazing experiences for end users

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Easy to start – Easy to scale

- 30 day trials
- Free basic usage
- Pay as you go
- Subscription
- Dedicated
- On premises

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