IBM BusinessConnect

Ključ do rešitev 2014

Misli prihodnost. Bodi sprememba.

GH Bernardin | 23. oktober 2014

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Ključ do rešitev 2014

Misli prihodnost. Bodi sprememba.

Poslovne aplikacije v oblaku

Dejan Podgoršek, dejan.podgorsek@si.ibm.com

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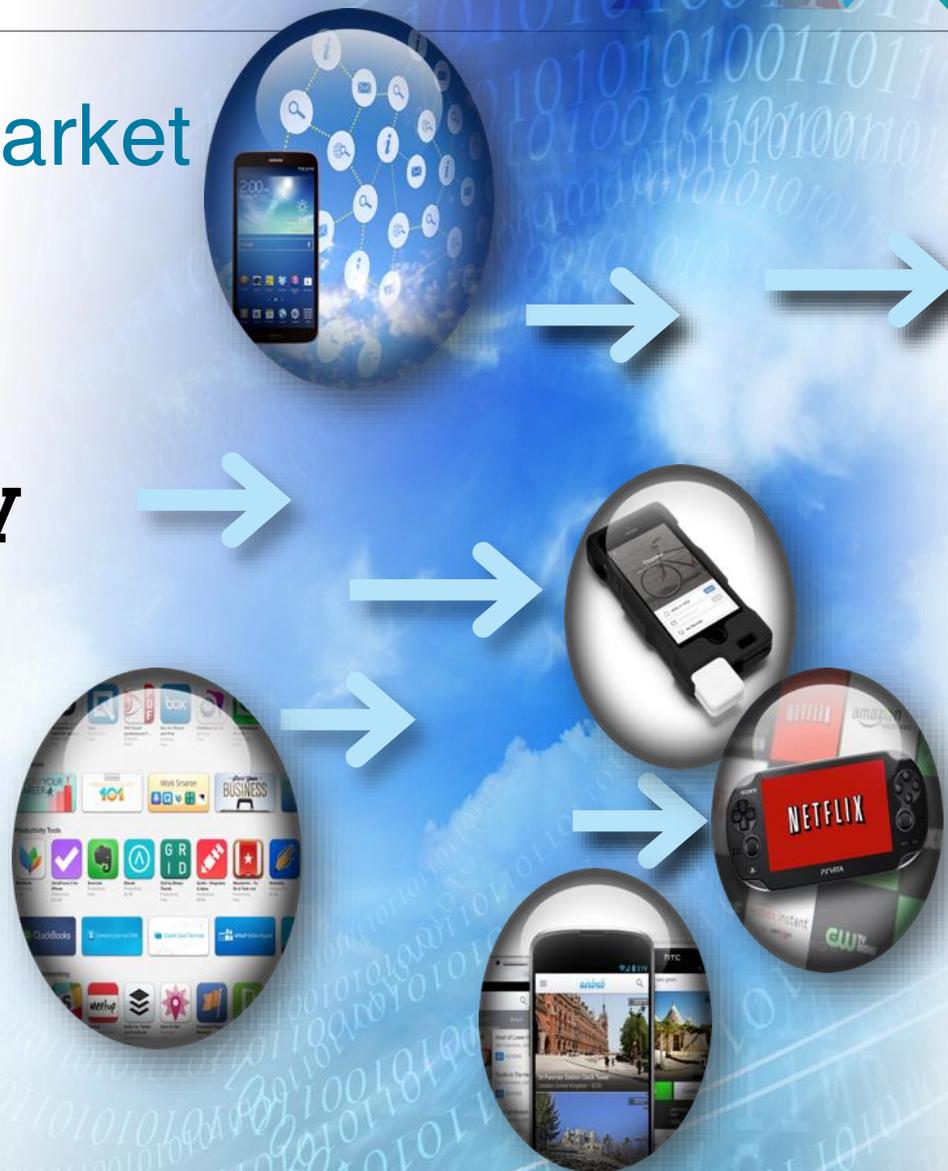
Market

Shifts

in the digital economy

Shift in personalized computing to mobile using cloud services

Shift towards unbundled business offerings

Shift towards killer-apps transforming industries

IBM

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Responding to these shifts requires a new approach . . .
the **Composable Business**

A Building Block Approach
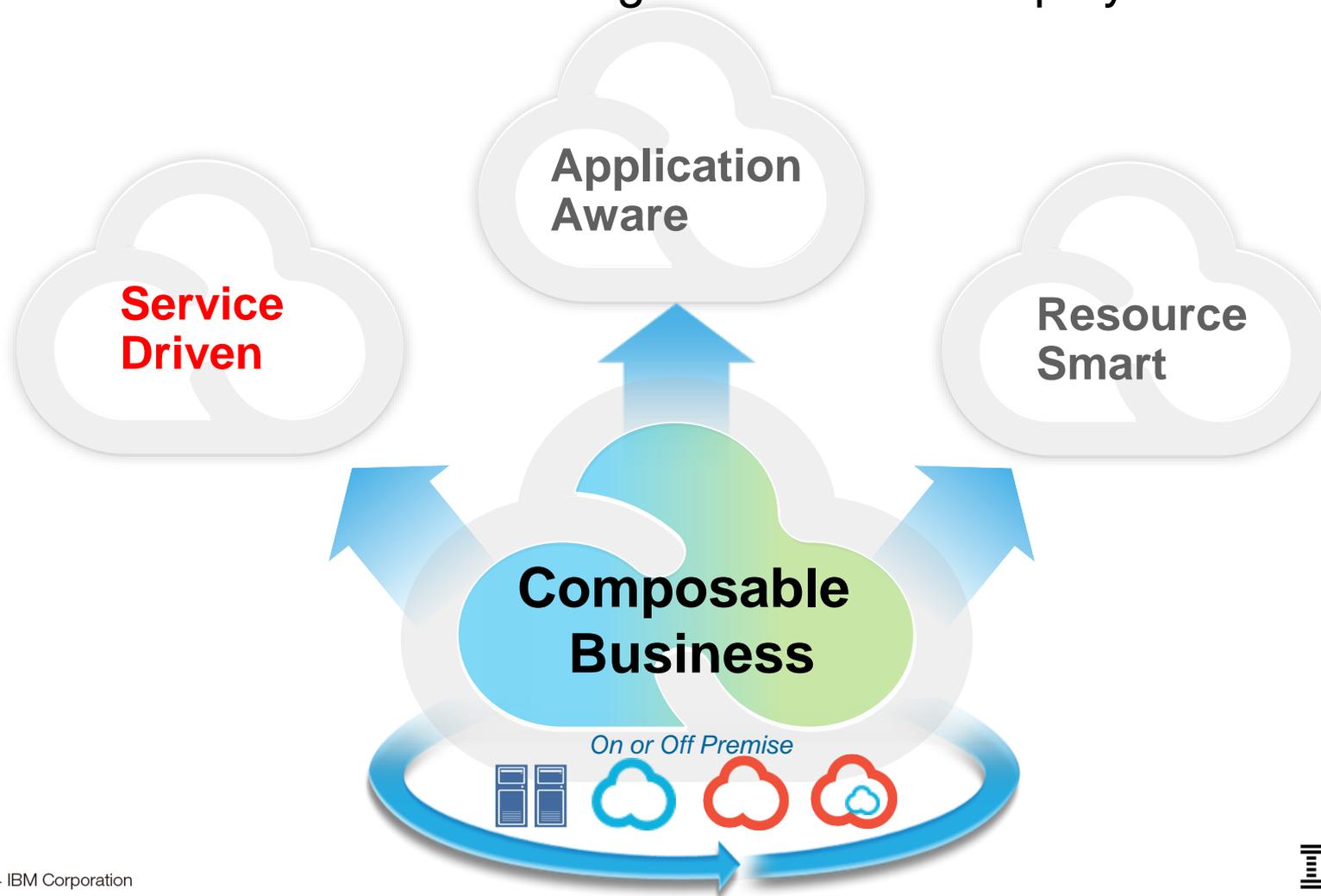
Restless Reinvention and Process Innovation

Better Decision Making from Actionable Insights

Accelerated Time to Market

Secure Integration across Business & Technology

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It is estimated that by 2016 more than one-fourth of the world's applications will be available in the cloud, and **85% of new software** is now being built for cloud deployment.

Application Aware

Service Driven

Resource Smart

Composable Business

On or Off Premise

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The next billion dollar idea starts with a single developer.

That developer starts with a single line of code.
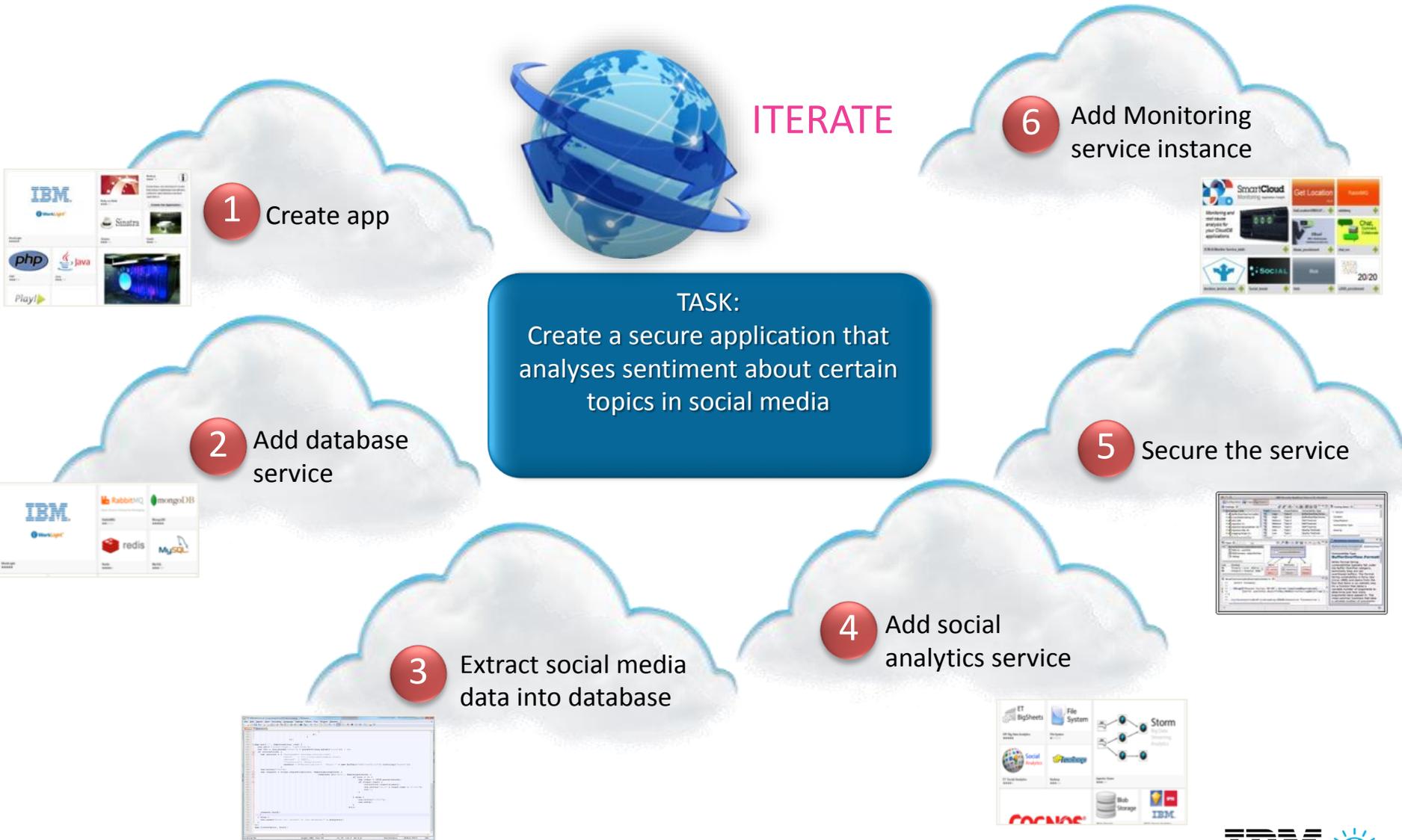
New App Culture Has New Expectations:

- **Integrated**
- **Mobile**
- **Iterative**
- **Ecosystem**

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Composing of an application, not traditional *writing* of an application

ITERATE

1 Create app

2 Add database service

3 Extract social media data into database

TASK:
Create a secure application that analyses sentiment about certain topics in social media

6 Add Monitoring service instance

5 Secure the service

4 Add social analytics service

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App development is about speed and choice

Developers' expectations have evolved.

Seconds to Deploy

Useful APIs

Friction Free

Continuous Integration

Choice of Tools

Failing Fast

Any Language

Mobile Ready

Focus on Code

Timing is critical…
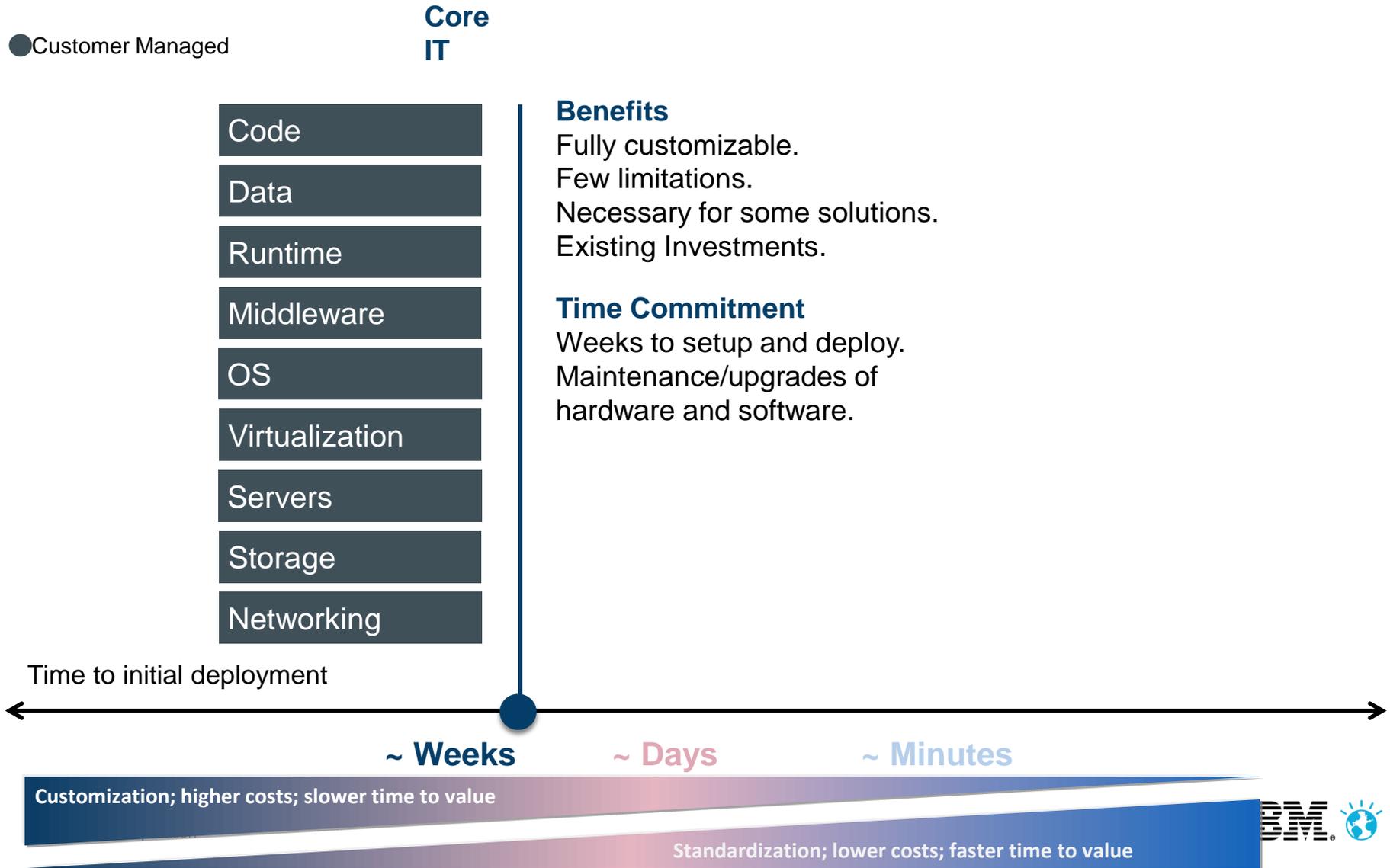
Today's apps must keep up with the speed of the app revolution.

⬤ Customer Managed

Core IT

Code
Data
Runtime
Middleware
OS
Virtualization
Servers
Storage
Networking

Benefits
Fully customizable.
Few limitations.
Necessary for some solutions.
Existing Investments.

Time Commitment
Weeks to setup and deploy.
Maintenance/upgrades of hardware and software.

Time to initial deployment

~ Weeks   **~ Days**   **~ Minutes**

Customization; higher costs; slower time to value

Standardization; lower costs; faster time to value

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Timing is critical…

Today's apps must keep up with the speed of the app revolution.

Infrastructure as a Service

● Customer Managed
● Service Provider Managed

Code
Data
Runtime
Middleware
OS
Virtualization
Servers
Storage
Networking

Benefits
Most control in the cloud.
Necessary for some solutions.
Infrastructure managed by SP.

Time Commitment
Minutes to provision VM.
Time to configure software
and apps varies.
Maintenance/upgrades of OS,
middleware, runtime.

IBM **SoftLayer**

Time to initial deployment

Core IT

~ **Weeks**   ~ **Days**   ~ **Minutes**

Customization; higher costs; slower time to value

Standardization; lower costs; faster time to value

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Timing is critical…

Today's apps must keep up with the speed of the app revolution.

Platform as a Service

● Customer Managed
● Service Provider Managed

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

Benefits
Setup environments and deploy apps *very* quickly. Infrastructure and platform managed by SP.

Time Commitment
Minutes to setup and deploy. Focus on your apps and their data.

IBM Bluemix
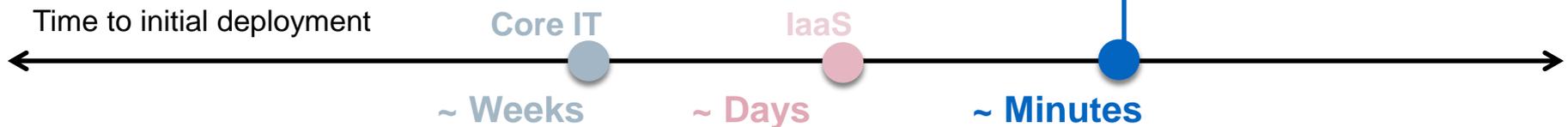
Time to initial deployment

Core IT — ~ Weeks

IaaS — ~ Days

~ Minutes

Customization; higher costs; slower time to value

Standardization; lower costs; faster time to value

IBM

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Introducing IBM's Cloud Platform, **Bluemix**

About Bluemix

- Run apps in any language
- Built on open standards
- Integration services to systems of record
- Designed for mobile
- Provides DevOps services

Register **today** at bluemix.net
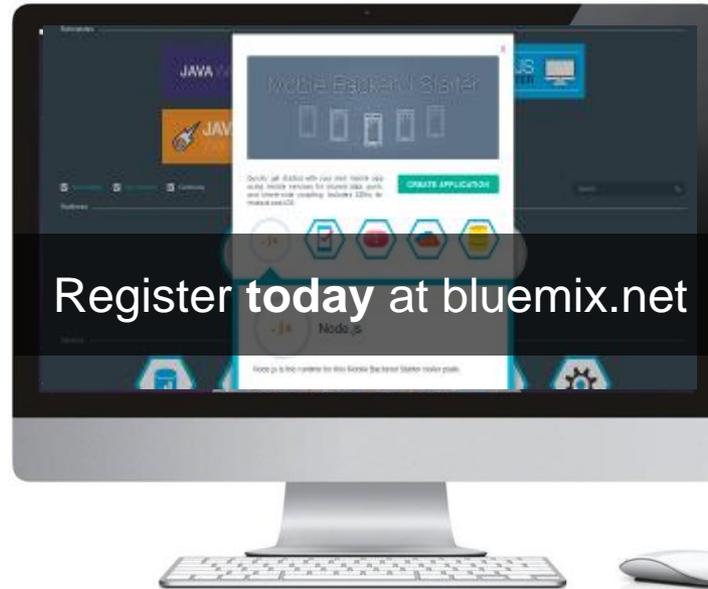
Bluemix services include:

- DevOps
- Big Data
- Mobile
- Cloud Integration
- Security
- Internet of Things
- Watson
- Database
- Web and application

*BlueMix enables everyone from individual developers to large enterprise teams to **rapidly** build and deploy new applications, embrace **devops** and extend existing IT investments with cloud **integration** services.*

Compose applications
from a rich library of IBM, 3rd party and open source runtimes, services and APIs.

Deploy and scale
new applications and services with infrastructure services from **IBM SoftLayer.**

Code with confidence
knowing IBM's cloud platform is built on a foundation of **open standards**.

CLOUD FOUNDRY

IBM

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What is Bluemix?

IBM BusinessConnect
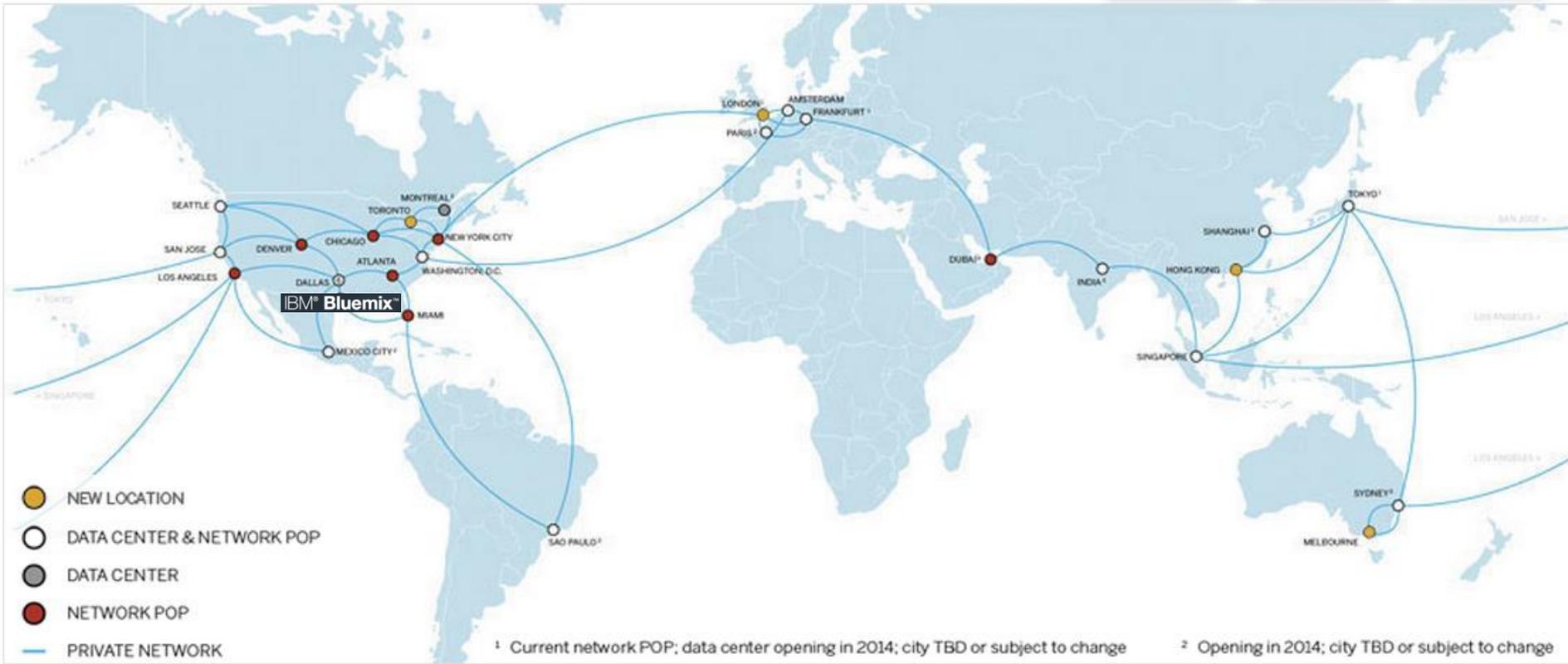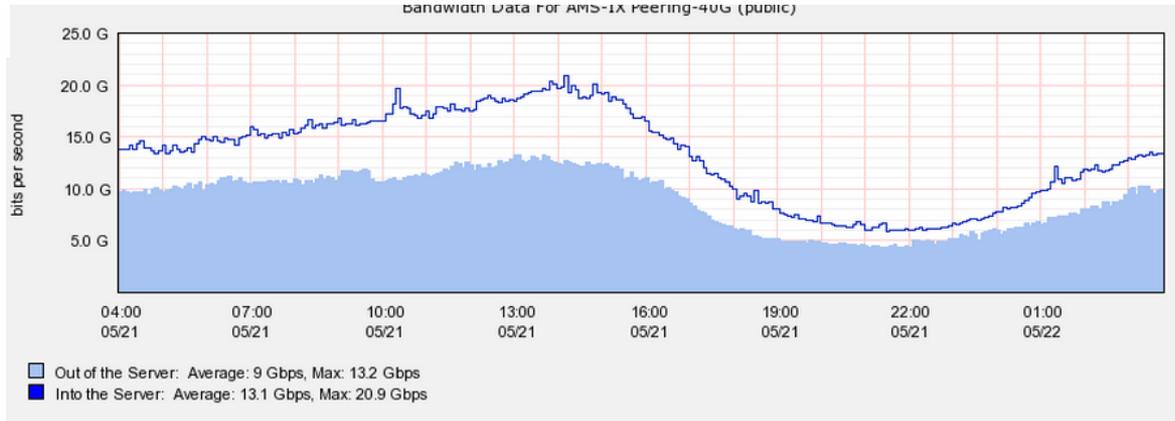
Bluemix is an **open-standard**, cloud-based **platform** for **building**, **managing**, and **running applications of all types** (web, mobile, big data, new smart devices, and so on).

Go Live in Seconds
The developer can choose any language runtime or bring their own. Zero to production in one command.

APIs and Services
A catalog of IBM, third party, and open source API services allow the developer to stitch an application together in minutes.

On-Prem Integration
Build hybrid environments. Connect to on-premise assets plus other public and private clouds.

DevOps
Development, monitoring, deployment, and logging tools allow the developer to run the entire application.

Layered Security
IBM secures the platform and infrastructure and provides you with the tools to secure your apps.

Flexible Pricing
Sign up in minutes. Pay as you go and subscription models offer choice and flexibility.

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How does Bluemix work?   **IBM BusinessConnect**

Bluemix **embraces** Cloud Foundry as an **open source Platform** as a Service and **extends** it with IBM, third party, and community built services.

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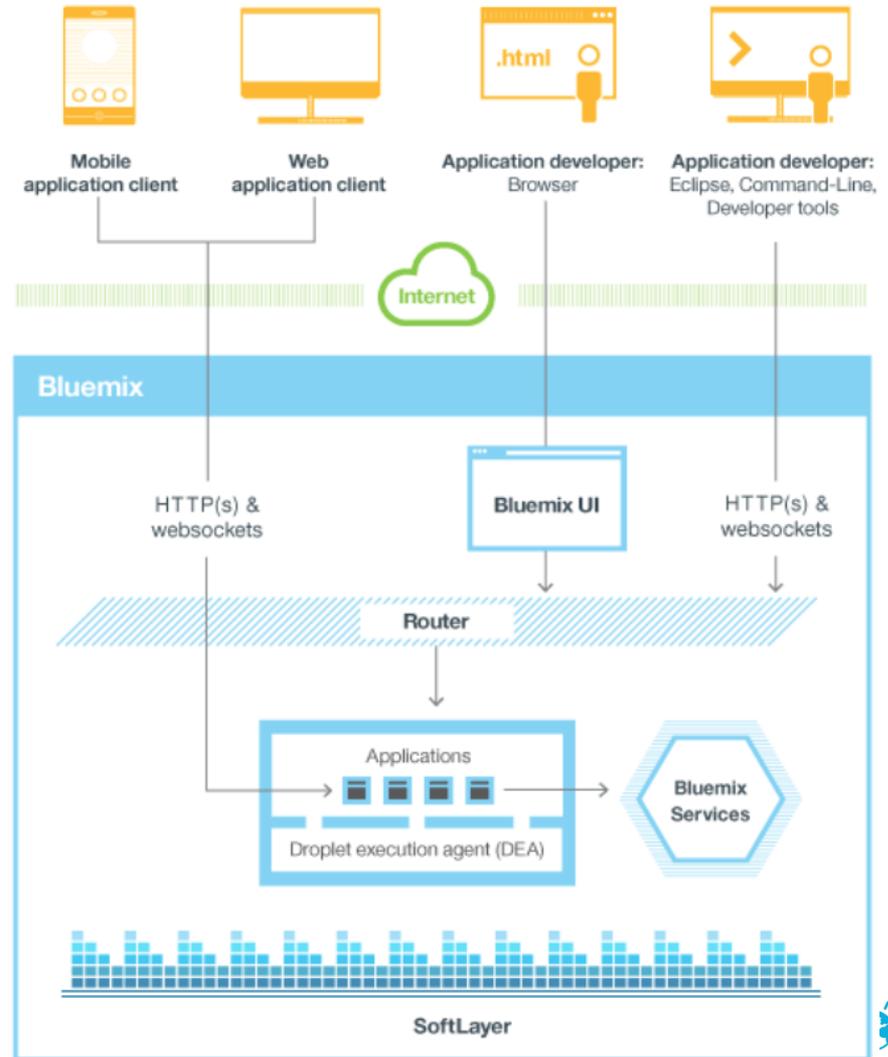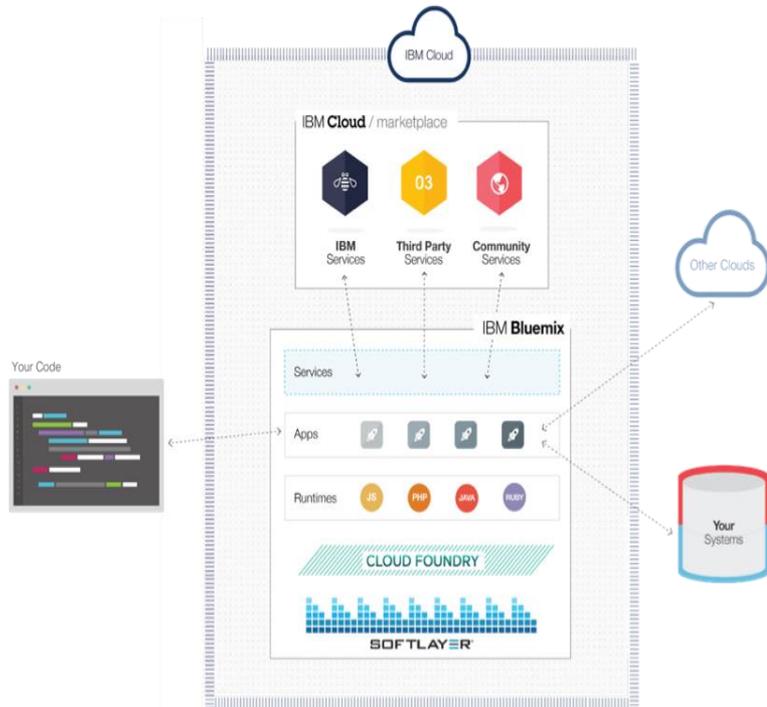
Cloud Foundry Kernel Internal

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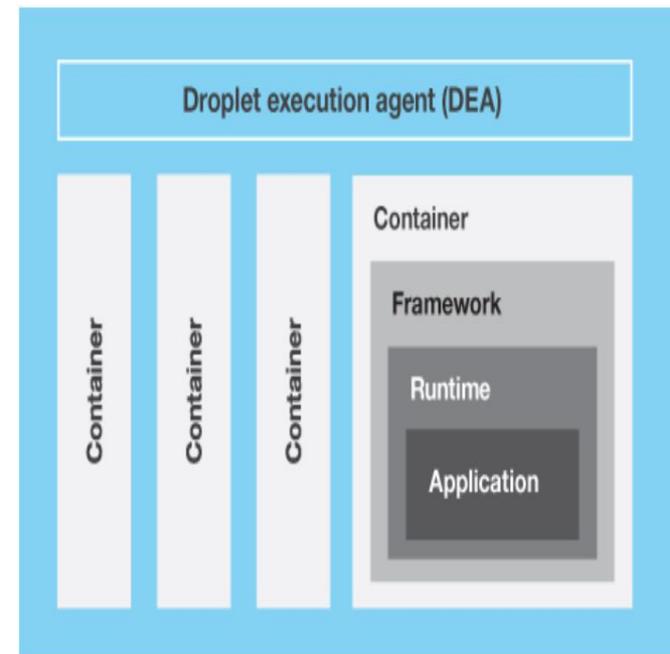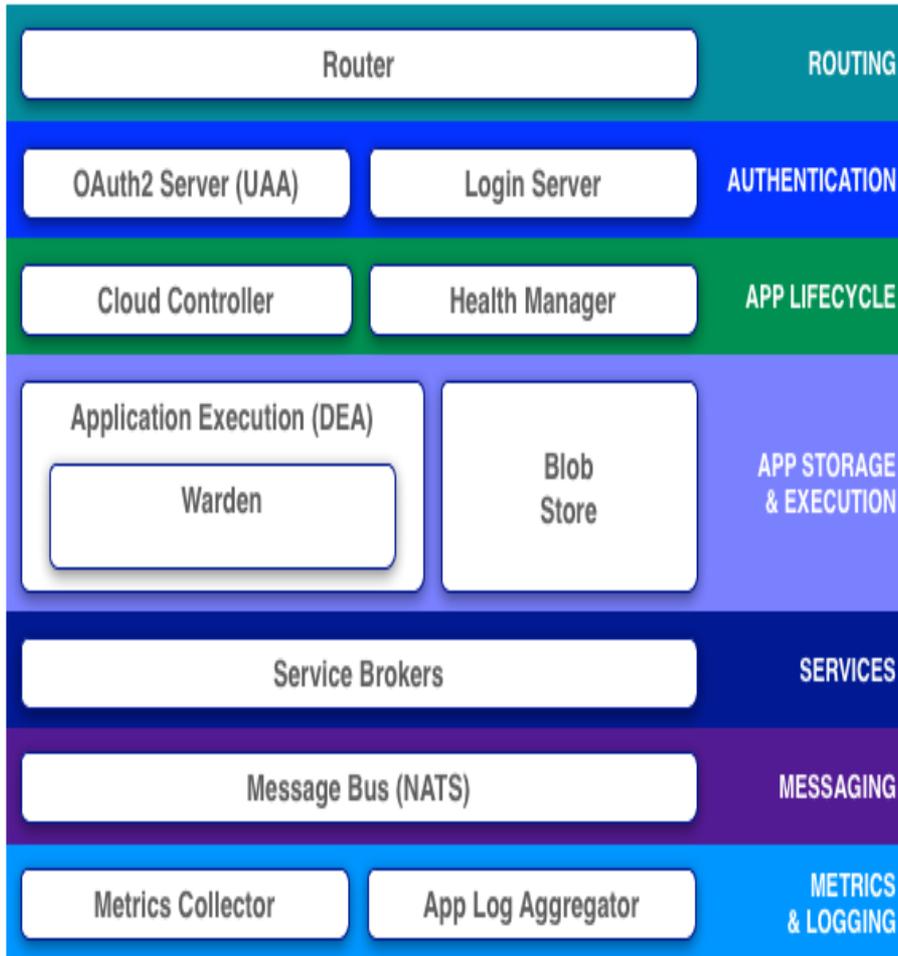
Why are developers using Bluemix?

To **rapidly** bring products and services to market at **lower cost**

Go from zero to running code in a matter of minutes.

To **continuously deliver** new functionality to their applications

Automate the development and delivery of many applications.

To extend **existing investments** in IT infrastructure

Extend existing investments by connecting securely to on-premise infrastructure.

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Starters // *Choose a package of sample code and services, or start from scratch*

Boilerplates

Get started with a new app, now

Internet of Things Found... **IBM**	Java Cache Web Starter **IBM**	Java Cloudant Web Starter **IBM**	Mobile Cloud **IBM**	Node.js Cache Web Sta... **IBM**
User Modeling Java We... **IBM**	User Modeling Node.js ... **IBM**	User Modeling Ruby We... **IBM**	Node-RED Starter **Community**	
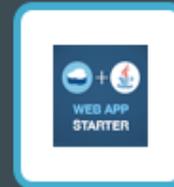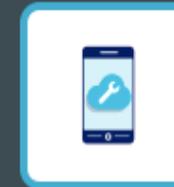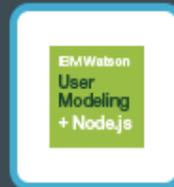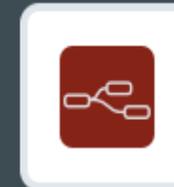
Runtimes

Run an app in the language of your choice

Liberty for Java™ **IBM**	SDK for Node.js™ **IBM**	Ruby on Rails **Community**	Ruby Sinatra **Community**	Bring Your Buildpack **Community**

DevOps

From development to deployment

App User Registry	Auto-Scaling	Delivery Pipeline	Monitoring and Analytics	Track & Plan
IBM BETA	IBM	IBM	IBM	IBM

Integration

Extend existing investments and infrastructure

Cloud Integration
IBM

Watson

Build cognitive apps that help enhance, scale, and accelerate human expertise

Concept Expansion	Language Identification	Machine Translation	Message Resonance	Question and Answer	Relationship Extraction
IBM BETA	IBM BETA	IBM BETA	IBM BETA	IBM BETA	IBM BETA

User Modeling
IBM BETA

Mobile

Quickly get started with your next app

Mobile Application Security	Mobile Data	MobileQualityAssurance	Push	Twilio
IBM	IBM	IBM	IBM	Third Party

Web and Application

Deliver new web and apps

Business Rules **IBM**	Data Cache **IBM**	Gamification **IBM BETA**	MQ Light **IBM**	RapidApps **IBM BETA**	Session Cache **IBM**
Workflow **IBM BETA**	Workload Scheduler Beta **IBM BETA**	BlazeMeter **Third Party**	CloudAMQP **Third Party**	Geocoding **Third Party**	Load Impact **Third Party**
Memcached Cloud **Third Party**	New Relic **Third Party**	Reverse Geocoding **Third Party**	SendGrid **Third Party**	Travel Boundary Service **Third Party**	Validate Address **Third Party**
rabbitmq **Experimental**	redis **Experimental**				

Data Management

Agile data management

Cloudant NoSQL DB **IBM**	SQL Database **IBM**	ClearDB MySQL Database **Third Party**	ElephantSQL **Third Party**	MongoLab **Third Party**	Redis Cloud **Third Party**
mongodb **Experimental**	mysql **Experimental**	postgresql **Experimental**			

Big Data

Harness the power

Analytics Warehouse
IBM

Geospatial Analytics
IBM *BETA*

IBM Analytics for Hadoop
IBM *BETA*

Time Series Database
IBM

Security

Build security into application design

AppScan Dynamic Analy...
IBM *BETA*

AppScan Mobile Analyzer
IBM *BETA*

Single Sign On
IBM

Business Analytics

Powerful analytics made easy

Embeddable Reporting
IBM *BETA*

Internet of Things

A new generation of applications

Internet Of Things
IBM *BETA*

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dejanmob

Routes: dejanmob.ng.bluemix.net   Add Git Integration >

Health: ● Your app is running.   **VIEW GUIDE** ⚙

↓ Download SDKs

Application ID
c594c8aa-ce95-4278-a02c-d2eb37c8261a

App Runtime

● Node.js   1 app instance at 128 MB per instance.

Services

ADD A NEW SERVICE   BIND A SERVICE

MAS
dejanmob:MAS
Quick Docs ▶

Mobile Data
dejanmob:MobileData
Quick Docs ▶

Push
dejanmob:Push
Quick Docs ▶

Add-ons

Looks like you don't have any add-ons associated with your app yet.
Click below to start creating!

DevOps Services   My Stuff

MY STUFF   EXPLORE   DEJAN PODGORSEK ▾   HELP ▾

My Stuff

PROJECTS

INVITATIONS

REQUESTS

Welcome to DevOps Services! Let's get started:
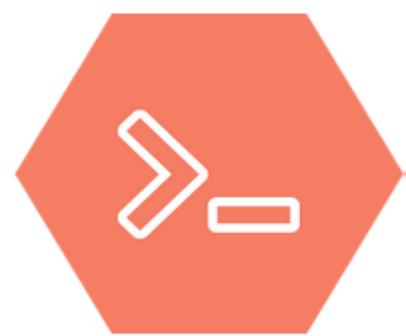
Start coding
in a new project
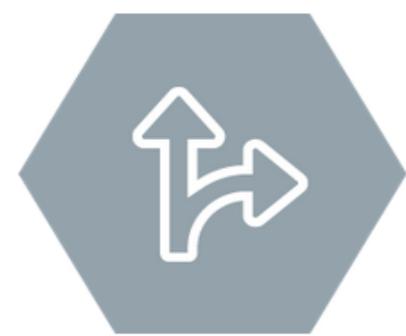
Fork code
from existing projects

Deploy
your app to BlueMix
Learn More

Set up your public profile

Get HELP anytime with FAQ, forums bug tracking and more.

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Partner cloud services in the IBM Cloud Marketplace
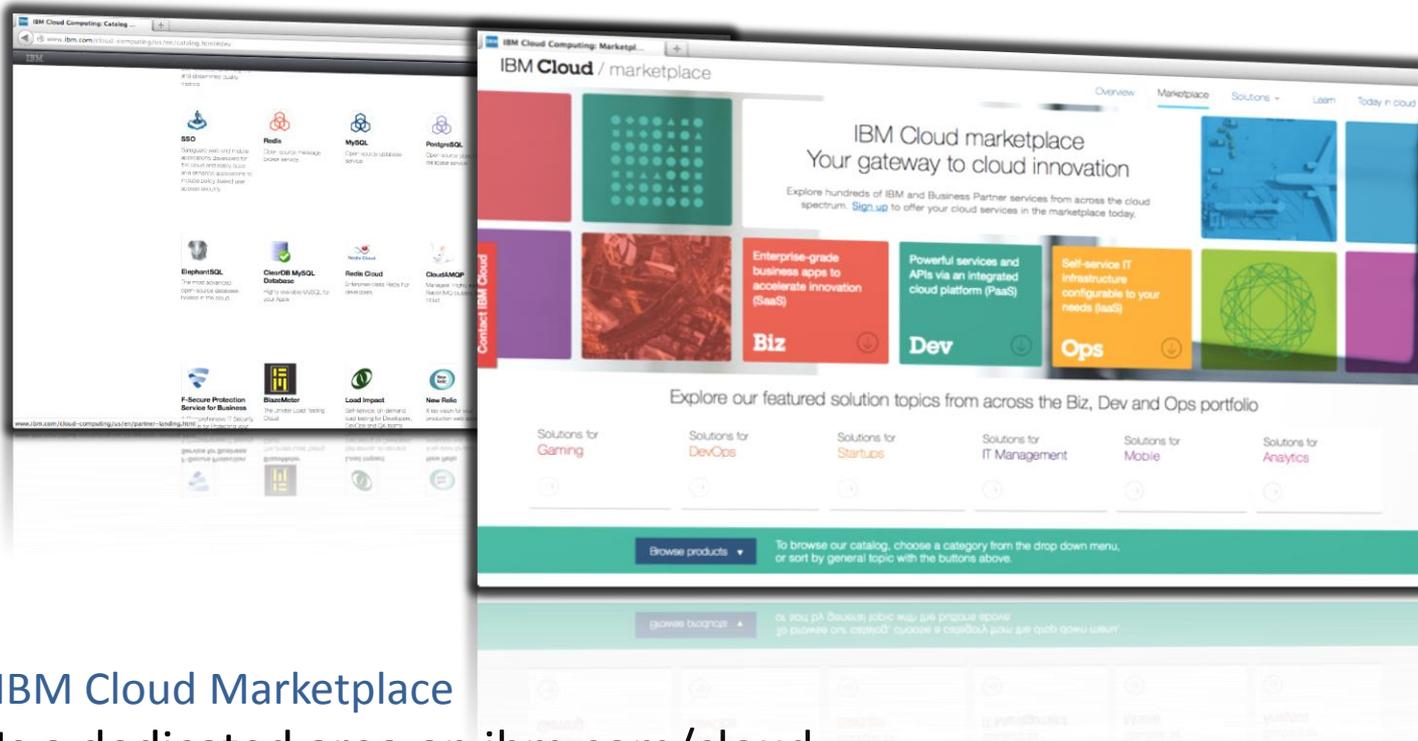
IBM Cloud Marketplace
Is a dedicated area on ibm.com/cloud
for IBM customers to discover enterprise cloud
services that run on or are deployable
to SoftLayer or integrated with Bluemix
and are available from IBM partners.

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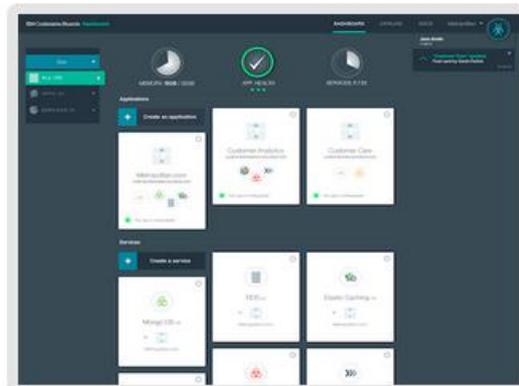
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IBM® Bluemix™

A cloud platform for the world's ideas

Sign up for free

The future is yours.

If you're a developer, you will now have a hand in creating the future. Codename: BlueMix offers you all the instant services, runtimes, and infrastructure you need to push your ideas into the present.

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