

# **IBM Code Day 2018**

CODE. CONTENT. COMMUNITY.

Continuously deliver cloud apps with simplicity, flexibility and elasticity

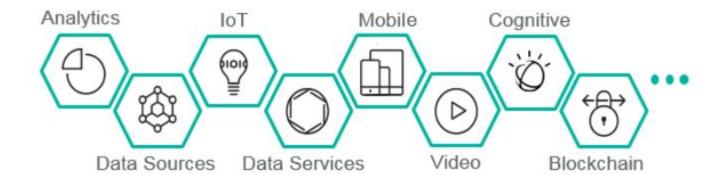
#IBMCodeDay

Twitter: @pradeepb3

Pradeep Balachandran, IBM



Reduce time to market for innovative solutions with new technologies





### Digital Transformation

Digital transformation requires speed, user experience and operational efficiency.





To accelerate innovation, companies are adopting a digital and cloud-first approach, enabled by DevOps



#### **Method**



### **Innovation Platform**



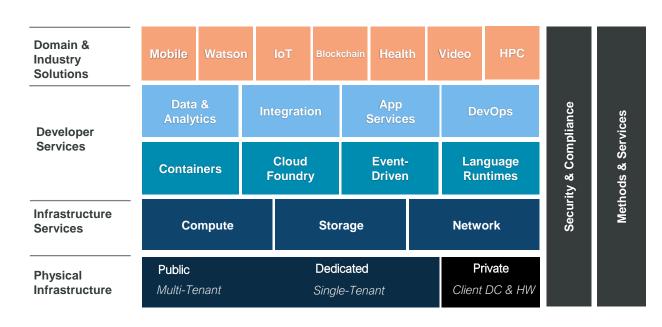
### **Integrated Toolchain**



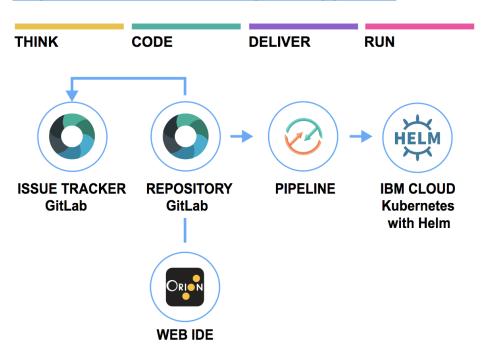
A rich ecosystem of infrastructure & platform services to solve problems and lower costs



**IBM's cloud computing platform** combines platform as a service (PaaS) with infrastructure as a service (laaS)



### http://ibm.biz/IBMCodeDayKubeAppDemo



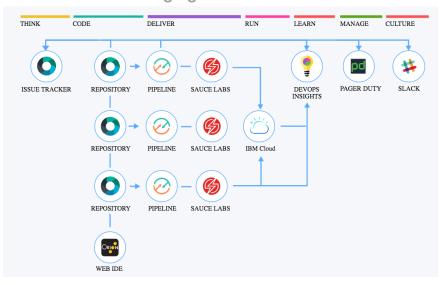
#### In this demo, we will:

- Create a DevOps toolchain to code, build, and deliver a JavaScript app
- **Build** app in a Docker image
- Validate container using Vulnerability
   Advisor
- Deploy app to a Kubernetes Cluster using Helm charts
- Modify app and redeploy

### IBM Continuous Delivery

### Create, automate, deploy and manage your applications across the full DevOps lifecycle

A sample open toolchain for building, and deploying and managing three microservices





































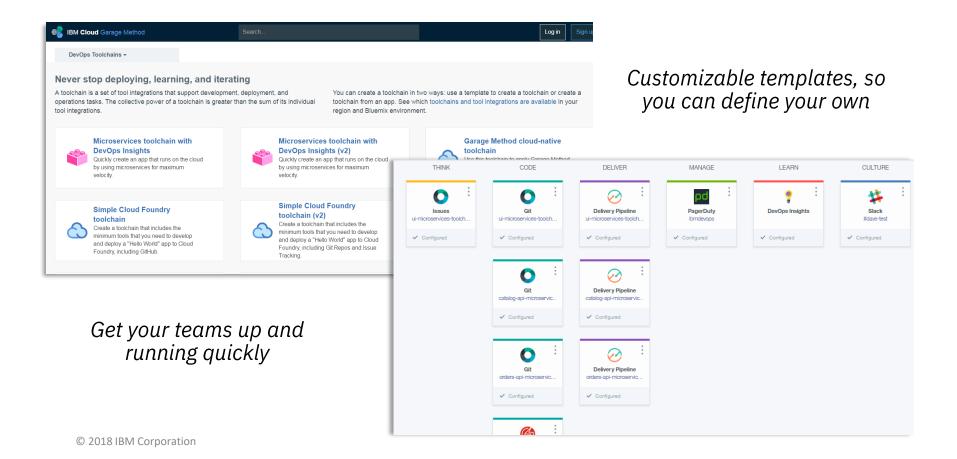






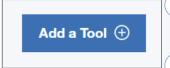






### Add more tools or mix and match... it's open!

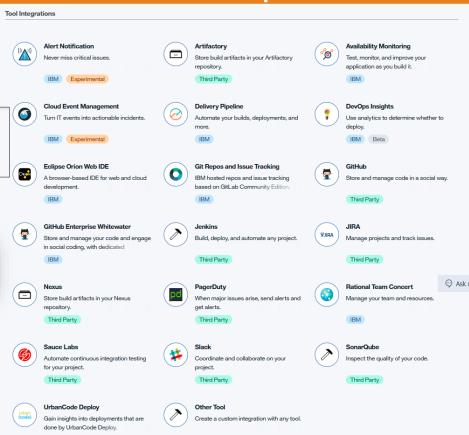




IBM Beta

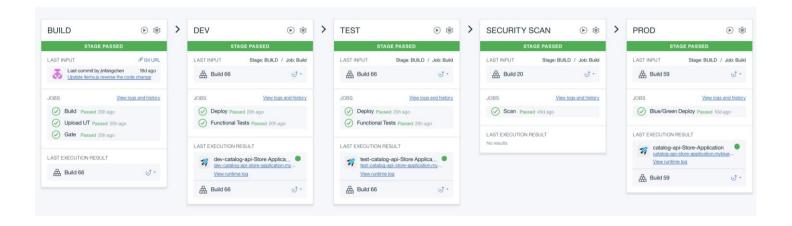


Choose from a growing list of open source, third party, and other IBM tools



### Deliver continuously using an integrated pipeline





**Import Code** 

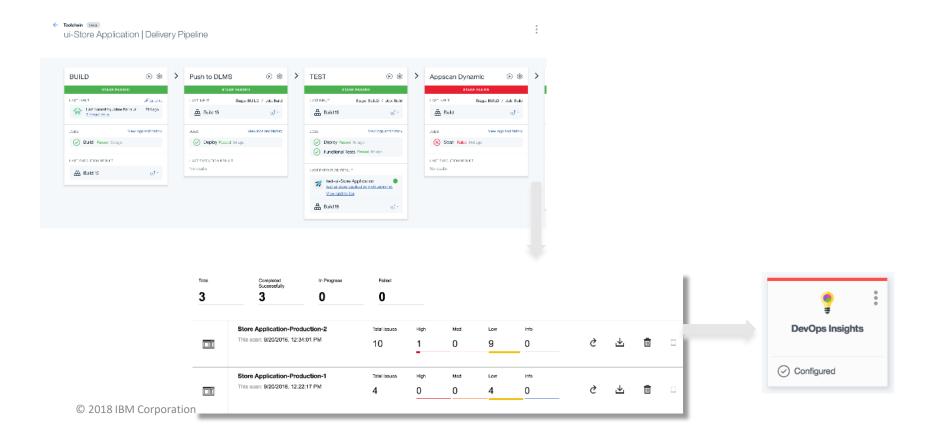
**Continuous Integration** 

**Continuous Testing** 

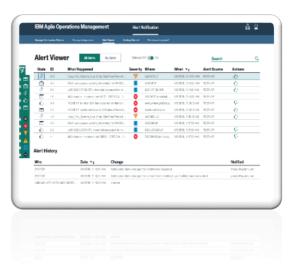
**Deliver to Multiple Cloud Platforms** 

### **Continuous Security**

Integration of "Application Security on Cloud" into the Delivery Pipeline



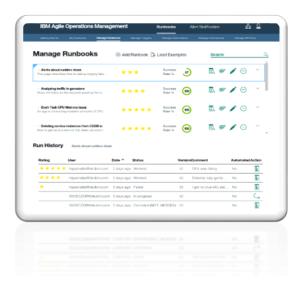
### **Detect problems Alert Notification**

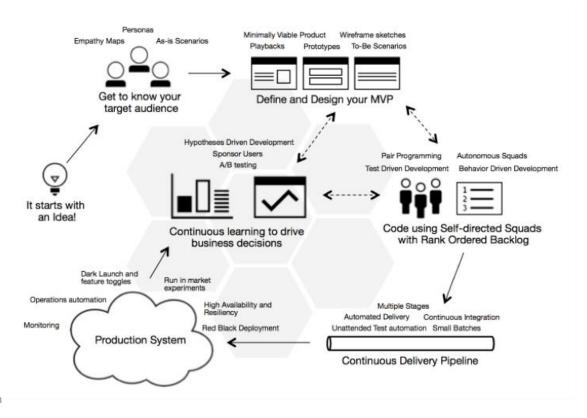


# Isolate & Diagnose problems Availability Monitoring



## Fix problems Runbook Automation





# Get started fast with Cognitive, data, mobile, and IOT services using IBM Cloud DevOps services



https://www.ibm.com/watson/developer

https://developer.ibm.com/code



https://developer.ibm.com/code/



Signup for IBM Cloud https://bluemix.net



https://www.ibm.com/watson/products-services/



#### **Code & instructions**

https://github.com/IBMDevConnect

https://github.com/IBM

https://github.com/IBM-Cloud

https://ibm-cloud.github.io/#!/

http://ibm.github.io

https://github.com/watson-developer-cloud

https://github.com/ibm-bluemix-mobile-services



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Delhi / Gurugram / Noida:

https://www.meetup.com/ibmcloudecosystem/

Mumbai / Pune : <a href="https://www.meetup.com/Cloud-Mumbai-Meetup/">https://www.meetup.com/Cloud-Mumbai-Meetup/</a>

Hyderabad / Vishakapatnam:

https://www.meetup.com/Hyderabad-Cognitive-with-

Cloud

# Thank You!

@pradeepb3

Feedback: <a href="https://ibmcodeday.mybluemix.net/">https://ibmcodeday.mybluemix.net/</a>