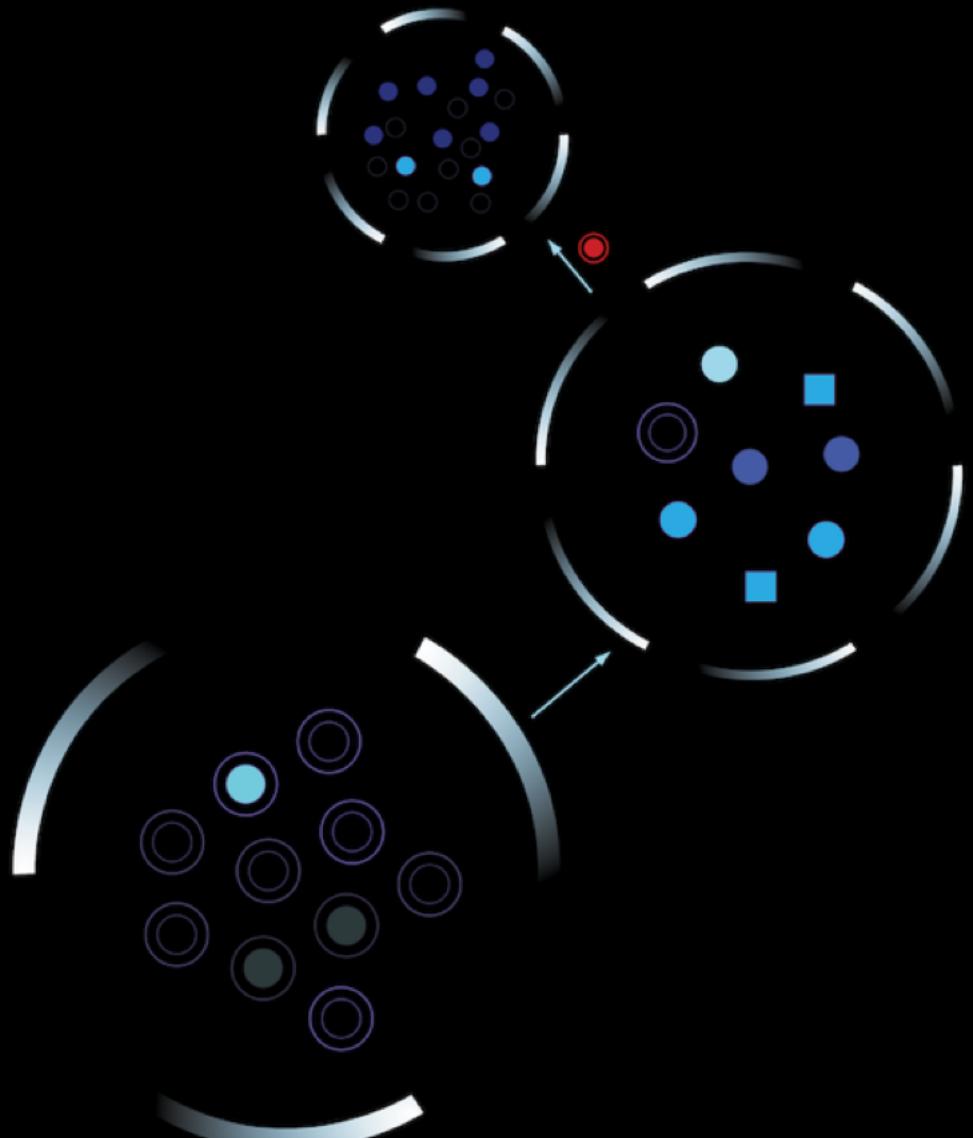


UrbanCode Overview



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urban{code}



IBM Cloud

“The ‘Uber syndrome’ – where a competitor with a completely different business model enters your industry and flattens you.”

Judy Lemke, CIO, Schneider, United States



There will be winners

World's largest accommodations company...

Owns No Real Estate



World's largest retailer...

Has No Inventory



World's largest media company...

Creates No Content



Modernizing Apps

Three transformations at once

Architecture

Monoliths

Distributed /
SOA

Microservices

Infrastructure

Physical servers

VMs

Cloud

Delivery

Waterfall

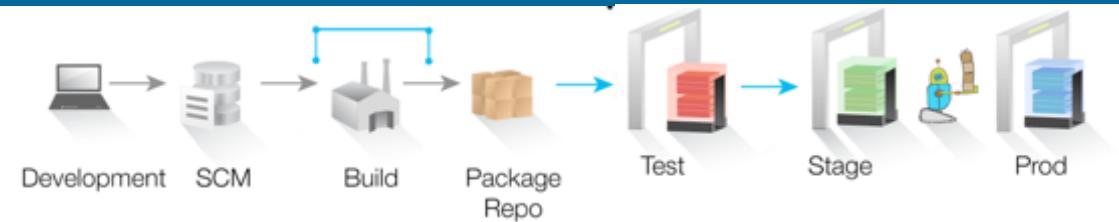
Agile

DevOps & SRE

DevOps Has Enabled Delivery Transformation

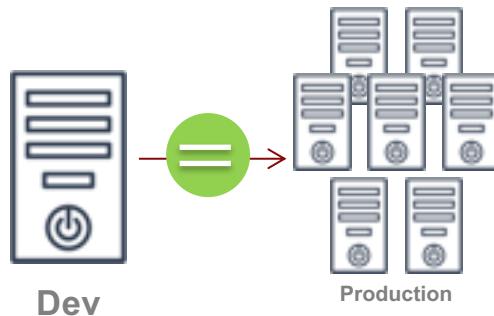
Day 1: Continuous Delivery Pipeline

- ▶ Establish an automated, controlled path to production
- ▶ Starting point for many DevOps transformations. Clear ROI



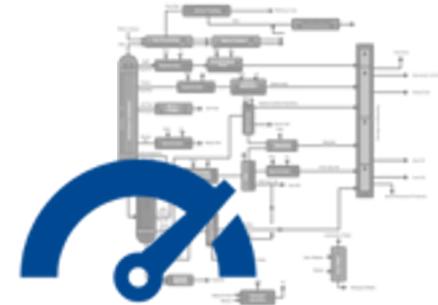
Better

Reduced failures due to inconsistent environments from dev and production



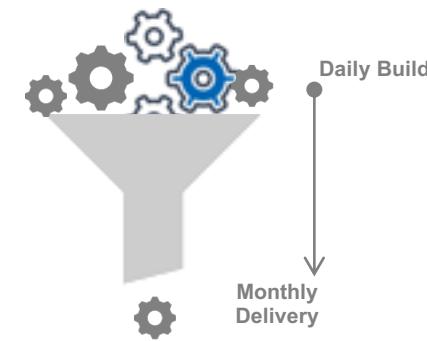
Faster

Accelerated delivery speed by streamlining complex, manual, release processes



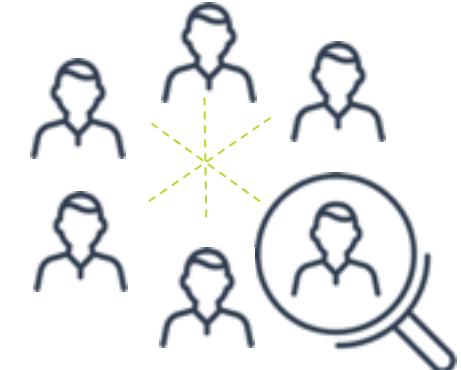
Cheaper

Alleviated waste when delivering more frequent releases to meet market demands



Happier

Improved employee morale and culture with repeatable, predictable and shorter release cycles



DEVOPS LEADERS START WITH CI/CD THEN GO DEEPER

Day 1: Continuous Delivery Pipeline

- ▶ Establish an automated, controlled path to production
- ▶ Starting point for many DevOps transformations. Clear ROI



Day 2, technical leaders are looking to do DevOps better through....

Enterprise Scale
and Insights

Value Stream
Optimization

Production
Release
Acceleration

- Scale best practices across the enterprise
- Gain visibility to business value across many tools, pipelines and environments
- Support decades of technology platforms from mainframe to VMs to containers

- Know what's where by reconciling Agile, testing and CI/CD data
- Visualize the flow of work
- Shift security, quality and governance practices left with Smart Gates

- Increase the frequency of complex releases by simplifying setup and streamlining execution
- Digitize release process: approval flows, implementation plans & orchestrate interactions with systems like ServiceNow and Jira

URBancode SOLVES DEVOPS CHALLENGES

Deploy Everything



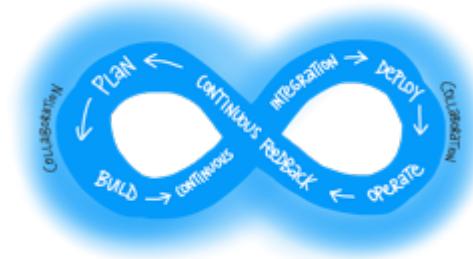
UrbanCode Deploy automates application deployments, middleware configurations and database changes to on-premise and cloud-based dev, test and production environments

Optimize Flow



UrbanCode Velocity optimizes software delivery beyond automation by providing visualization, insights and orchestration across the value stream

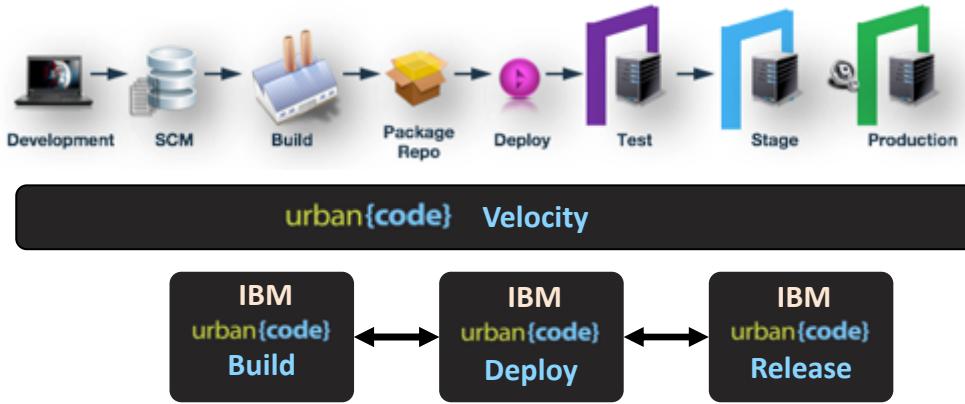
Infinite Ecosystem



UrbanCode provides over 200 off-the-shelf plugins at no additional cost and connects all of your tools across the entire software delivery pipeline

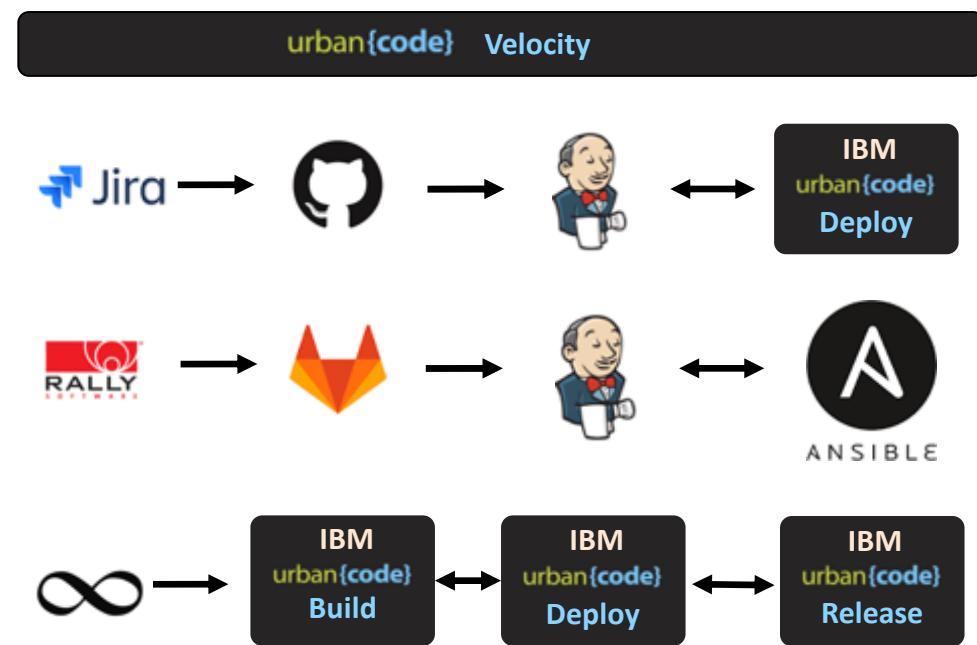
URBancode PROVIDES CONTINUOUS DELIVERY WITH FLEXIBILITY

Integrated DevOps Platform



- **Velocity** orchestrates continuous delivery across the software value stream
- **Deploy** automates application deployments of many artifacts and integrates with many CI tools
- **Release** governs on top of Deploy and other pipeline tools for multi-application, enterprise releases
- **Build** integrates with many SCMs and produces artifacts to drive continuous integration

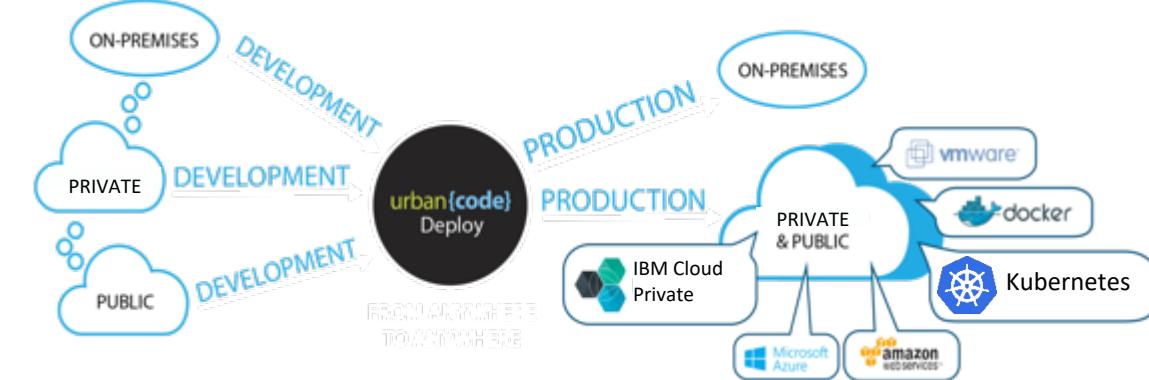
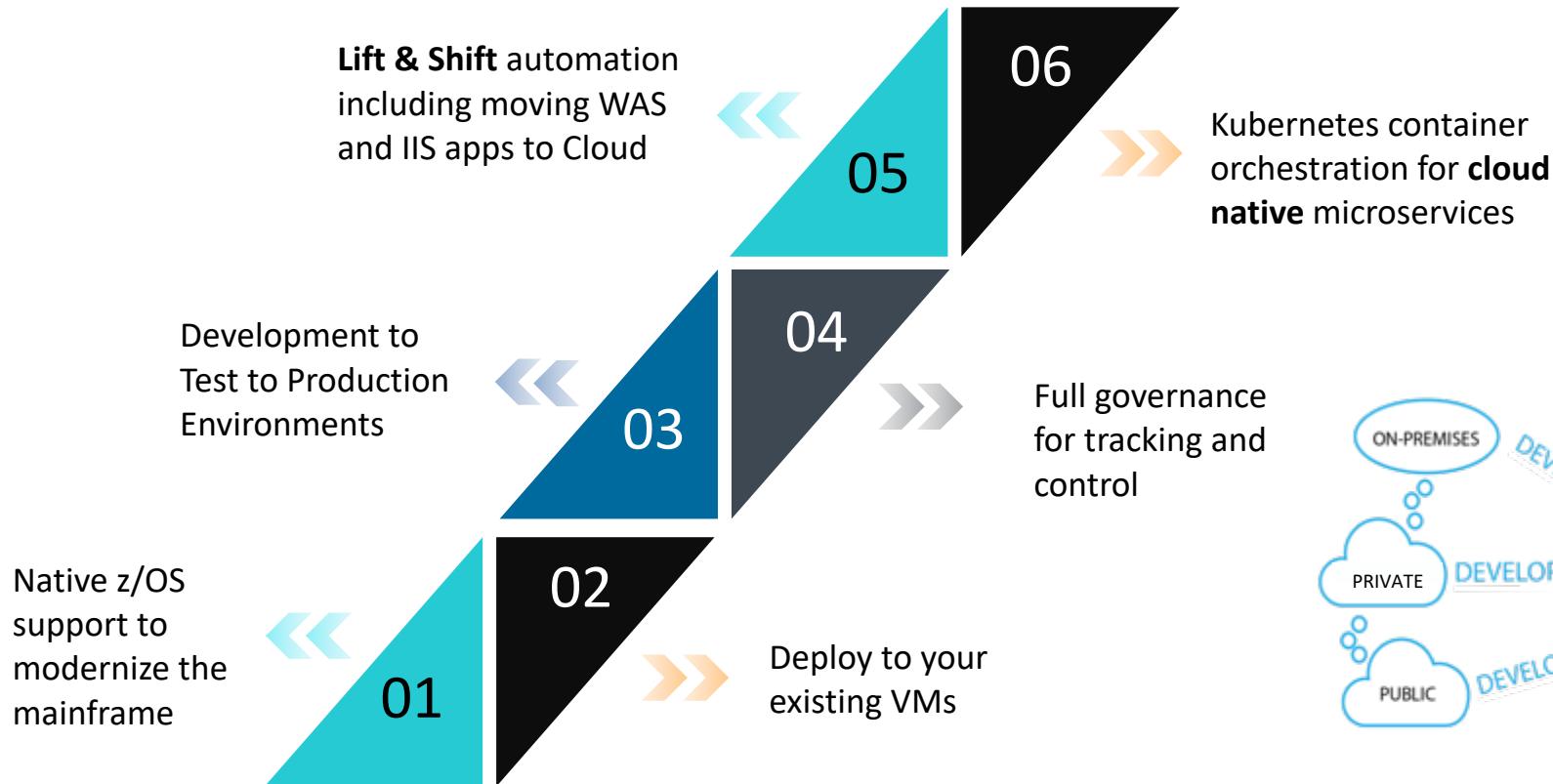
Separate tools so you can compose



UrbanCode makes open source better

URBancode Deploy IS DESIGNED TO SUPPORT THE COMPLEX ENTERPRISE

FROM MAINFRAME TO DISTRIBUTED TO CLOUD-NATIVE



Deploy Anything From Anywhere To Anywhere

URBancode Velocity enables Value Stream Management

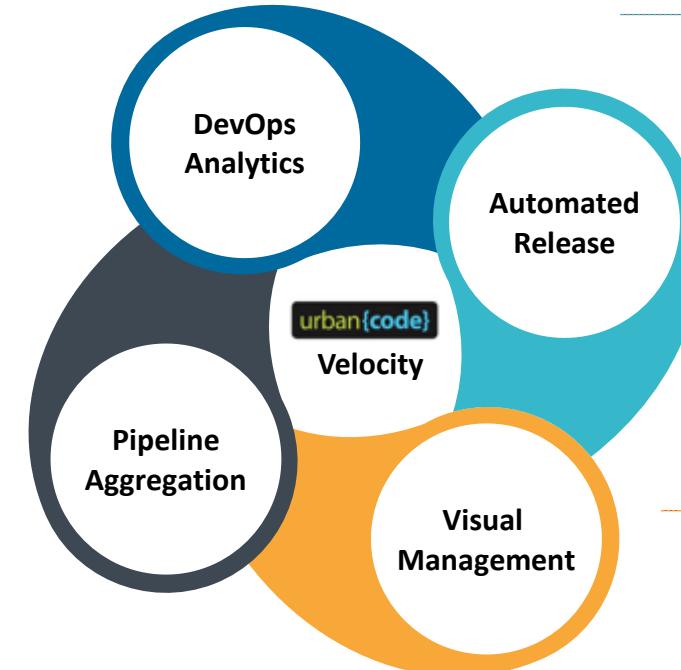
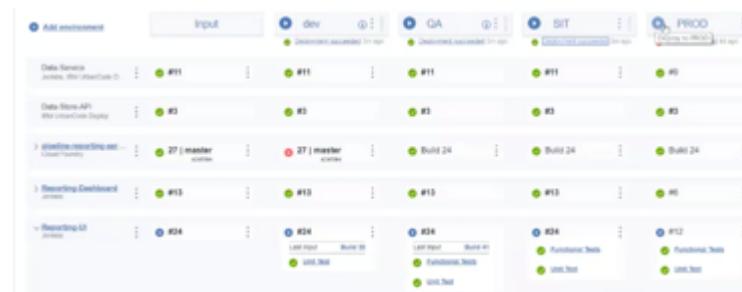
Transformation Leaders

Realize the value of hidden continuous delivery data by making it visible and actionable



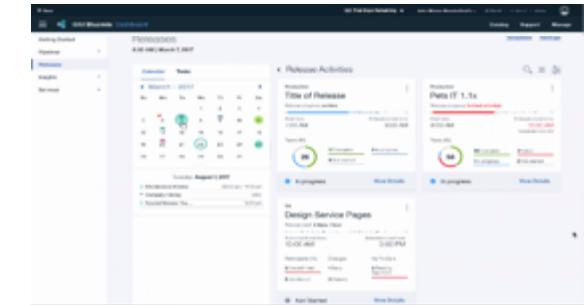
Development Teams

A single view for all of the team's Pipelines.



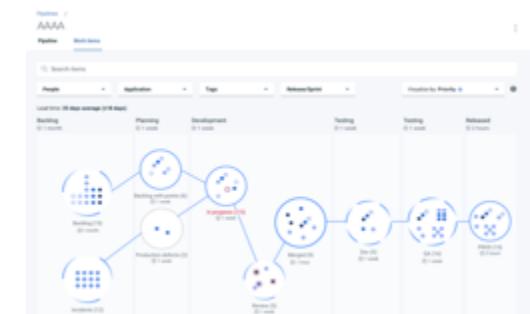
Release Teams

Move to more frequent releases with light-weight release management



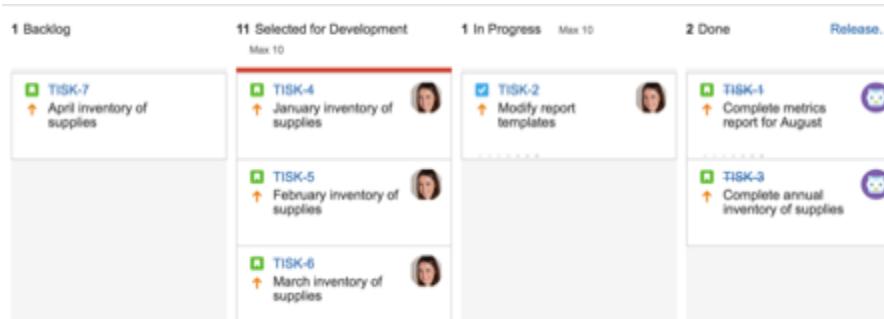
Delivery Team

Go beyond traditional Agile views to provide end-to-end value stream transparency



MOST DEV TEAMS USE AGILE TOOLS AND CI/CD PIPELINES...

Kanban boards cover only part of the Value Stream and relies on manual movement of cards to depict state-- often out of sync with reality



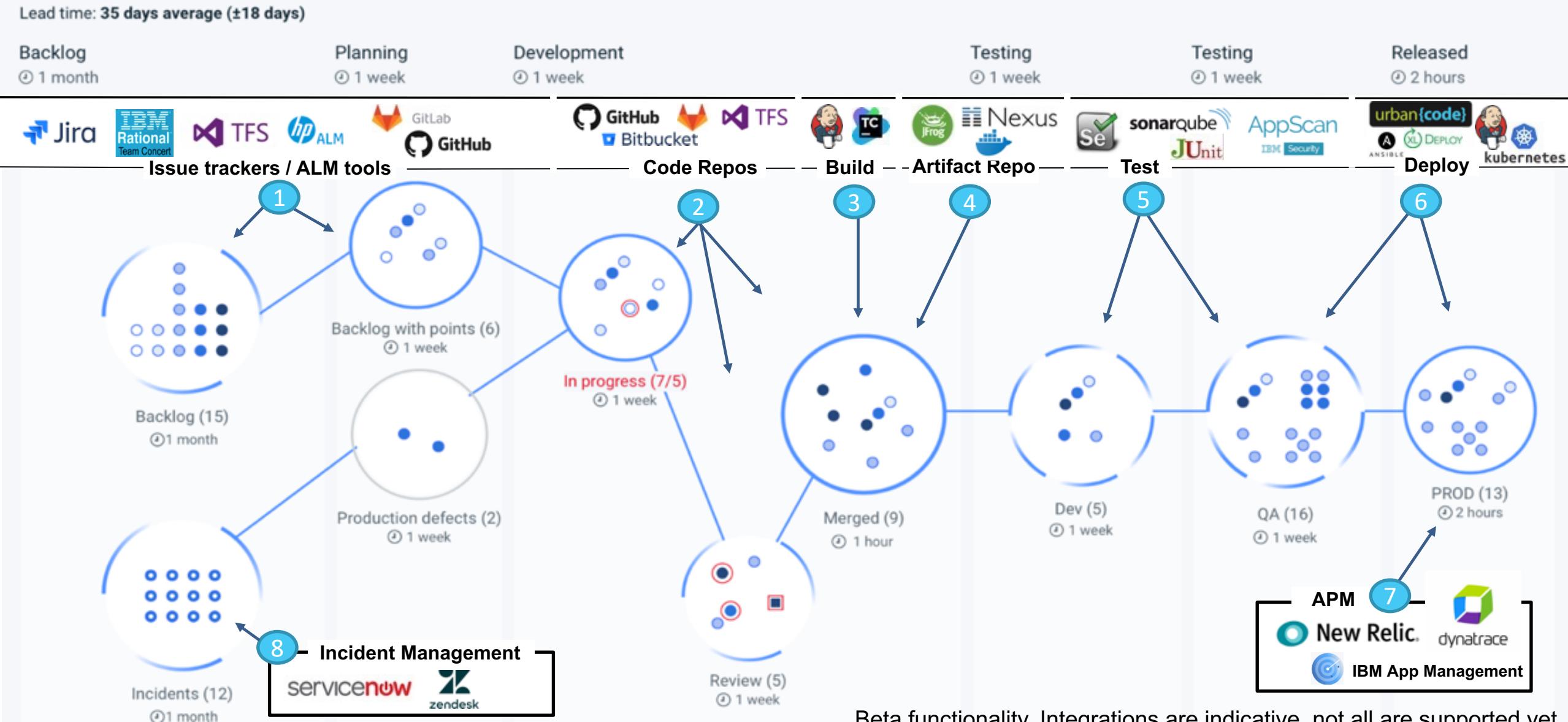
CI/CD tools provide views of automation, but not of waste— inventory, rework, waiting, etc – or business value



Neither offers deep insight end-to-end into questions such as:

- Should I release this code?
- Where is my epic?
- Where are we slow?
- What do my high performing teams do differently?
- Did the feature deliver the planned value?

VELOCITY INTEGRATES ALL OF YOUR TOOLS INTO A SINGLE, REAL-TIME VALUE STREAM



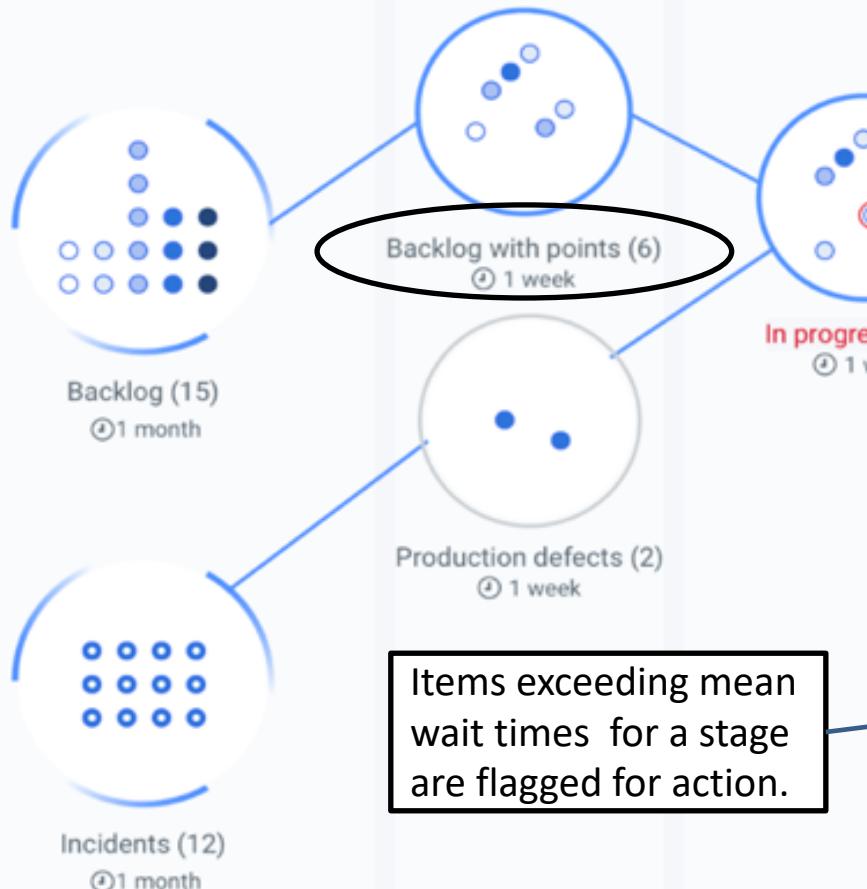
REAL-TIME VISIBILITY TO METRICS IS ESSENTIAL TO OPTIMIZING FLOW

Lead time: 35 days average (± 18 days)

Backlog
⌚ 1 month

Planning
⌚ 1 week

Development
⌚ 1 week



In Progress

STORY IN PROGRESS | HIGHEST PRIORITY a month

Core temps averaging too high ...
SKP-40 - Anthony Zimmerman

Overview

Value Stream Metrics

Age in stage: a month
Average cycle time: 3 days

Description

I have replaced most likely source of Mordor. The users attempted to a few weeks with me with startup repair continuing to fix most BSOD system_thread_exception_not_handled when it doesn't lie with me a Windows firewall are all off of my hardware. Any thoughts? My CPU and put the earlier errors in a new ones. The games such as well. I

Details

Labels: Loan
Owner: Anthony Zimmerman...
Creation date: a month ago
Last modified: 19 days ago
Reporter: Bryant Schuck

Related Items

SKP-40 new.txt edited online... #12 opened by admin open 15 days ago

History

Review (5) ⌚ 1 week

Testing
⌚ 1 week

Testing
⌚ 1 week

Released
⌚ 2 hours

DevOps Metrics

Cycle Time	Lead Time	Throughput	Efficiency
Meantime to Resolution	Change Failure Rates	Deployment Frequency	Predictive Analytics



TOOLCHAIN DATA IS ALSO ROLLED UP AT THE PORTFOLIO LEVEL

Realize the value of hidden continuous delivery data by making it visible and actionable

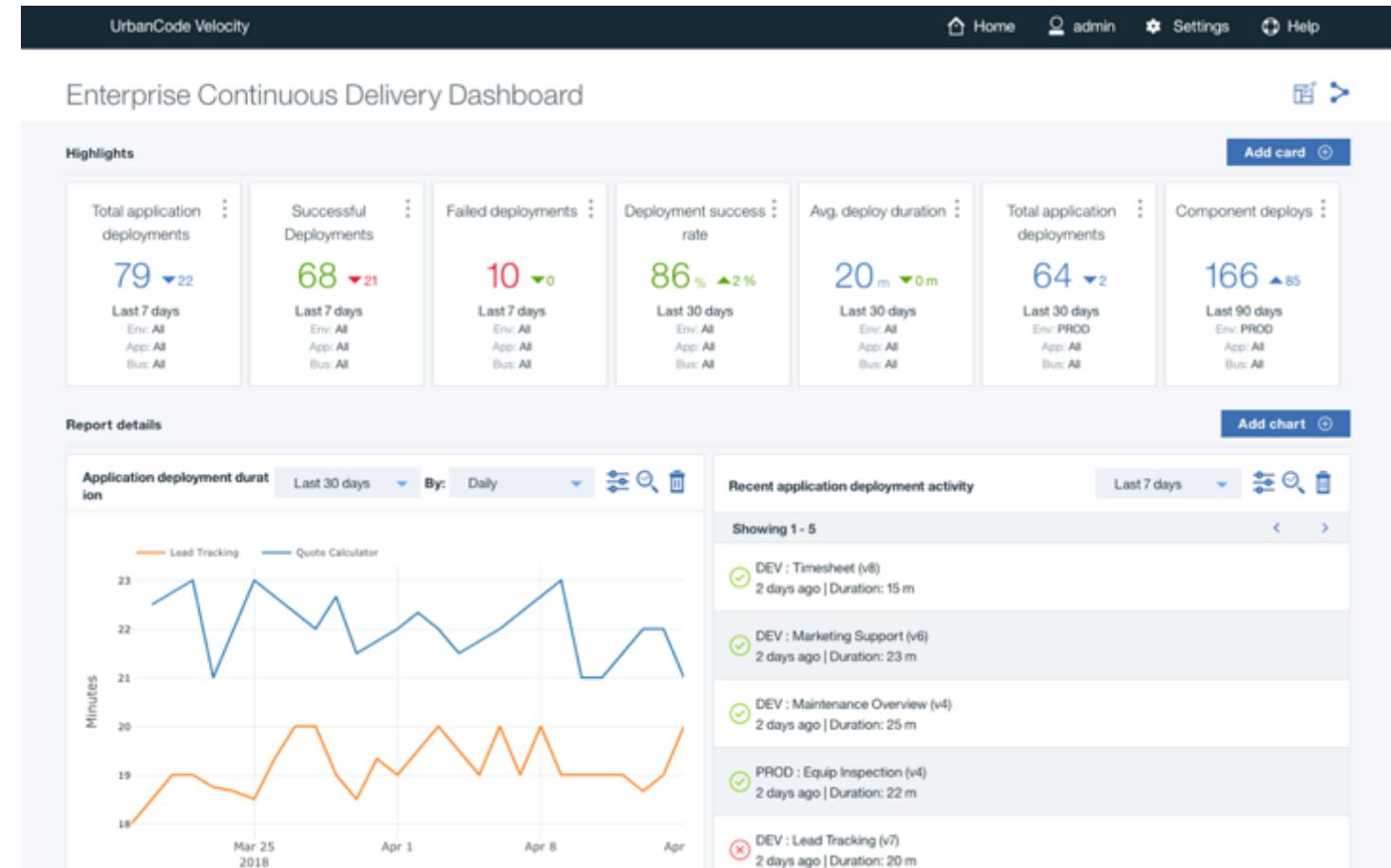
Out-of-the-box Insights include:

- **DELIVERY TRANSFORMATION**
 - Cycle Time Histogram
 - Trending for Cycle Time
 - Deployment Frequency
 - Failure RateS

- **DEPLOYMENT AUTOMATION ROI**
 - Delivery Rates Over Time vs Baseline
 - Change in Unit Cost of Release
 - On-boarding Summary & Results

- **AUDIT REPORTS**
 - Delivery Traceability for specified Apps and Time Period

Many more customizable charts.



PIPELINE AGGREGATION

Orchestrate complex application releases across multiple automation tools through a single view



KEY REASONS CLIENTS PICK URBancode

It works!

Out of the box templates for common deployments & market leading breadth of integrations

It makes Open Source better

Visibility to your enterprise software factory operations

Extremely scalable architecture and configuration

Deep support for key platforms like Websphere and z/OS

Track record of market leading innovations

Success is upon enterprise usage, not the initial sale

URBancode CUSTOMER QUOTES

"We used to be in the office all night. Now we have guys deploying from their phones"

Gareth Wharton, CTO, Hiscox Insurance

"The UrbanCode suite helps us make our environment both scalable and agile. At the same time it helps us keep deployments consistent."

Marc Rohrer, Infrastructure Engineer,
HM Health Solutions

"With UrbanCode, we can deliver an environment in half a day. This used to take upwards of 5 weeks"

Daniel Corboy, Bendigo and Adelaide Bank

"Once we moved them to the UrbanCode platform they were able to reduce time to market by 75% - from 20 weeks to 5"

John Comas, Manager of Platform DevOps,
NBCUniversal

"The ease of use, numerous supported integration plugins, and templates within the tools [UC Build, Deploy, Release] have proven invaluable in allowing my organization to move at a rapid pace while seeing almost immediate results in terms of speed, reliability and audit traceability/transparency."

Cory Grubbs, DevOps Director,
Bank of America

TRAVELERS



3000 applications / 1yr
on-boarded for deployment
automation

1000 automated deployments
per day

1TB of deployables
per month



Travelers migrates 3000 applications from a decade-old custom system to IBM UrbanCode Deploy in less than one year

Travelers is one of the nation's largest property casualty companies. A component of the Dow Jones Industrial Average, Travelers has more than 30,000 employees, 13,000 independent agents and multiple market segments across the personal, business, financial and international insurance groups. Travelers has operations in the United States, United Kingdom, Canada, Lloyd's of London, and the Republic of Ireland. In Brazil, the company also has a joint venture partnership with JMalucelli, Brazil's market leader in surety.

"We are providing a standard way of solving particular types of deployments."

Frank Canihuante, Technical Lead,
Travelers

Business need

The challenge faced by Travelers was greater than just the large number of apps and the short timeframe—it also included dealing with multiple development platforms, multiple runtime environments, over 2,000 users, and over 6,000 targets.

Solution

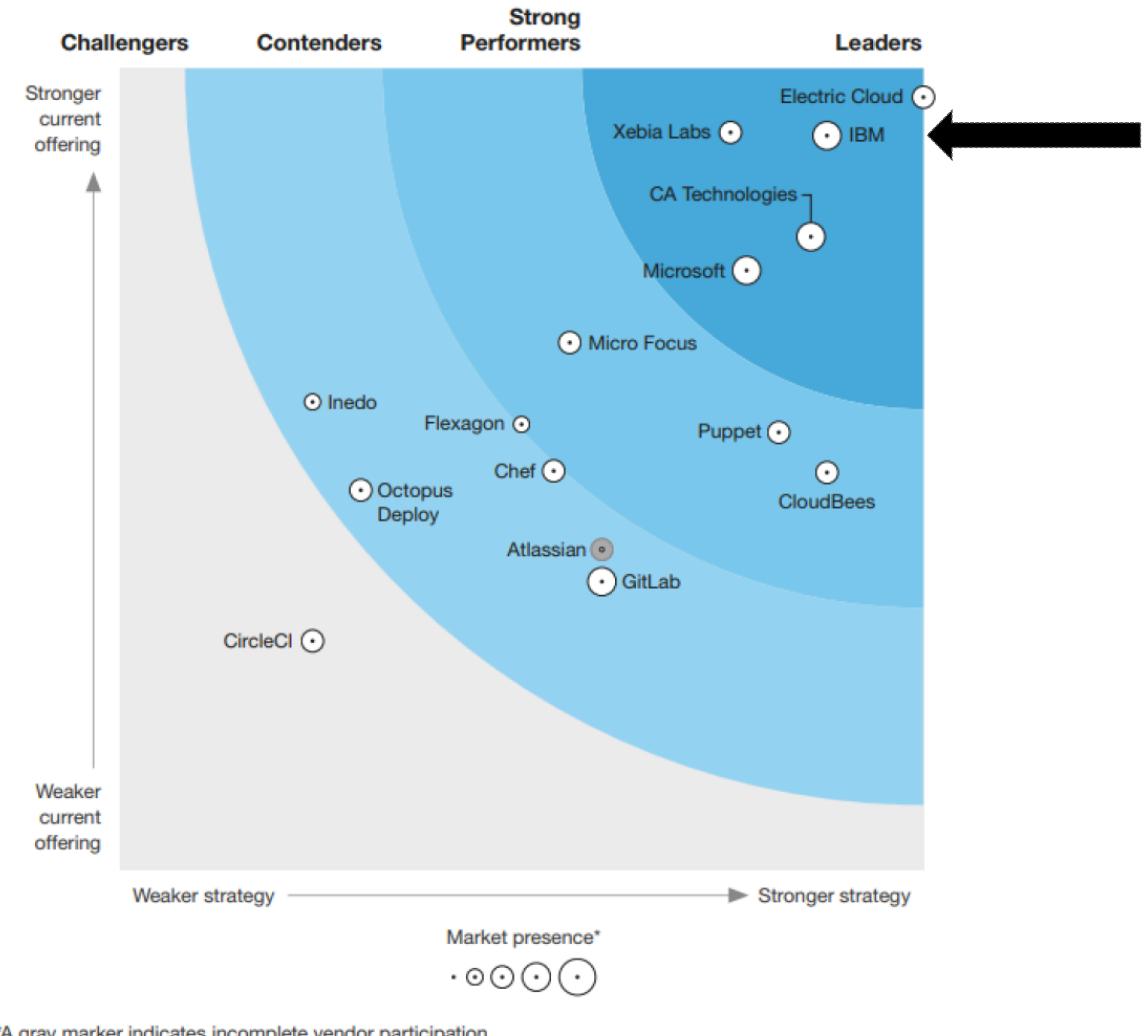
While converting applications to a new continuous integration (CI) tool, Travelers was able to achieve success with a combination of good planning, automation, engaging users, working and partnering with the vendor, building the right team, and hard work.

IBM URBancode IS A LEADER!

THE FORRESTER WAVE™:
CONTINUOUS DELIVERY AND RELEASE
AUTOMATION, Q4 2018

Only vendor in the top 3 scores for each of Product Strategy, Market Presence and Current Offering

“IBM’s solution is ideal for the largest and most diverse organizations looking for enterprise-class product and support”



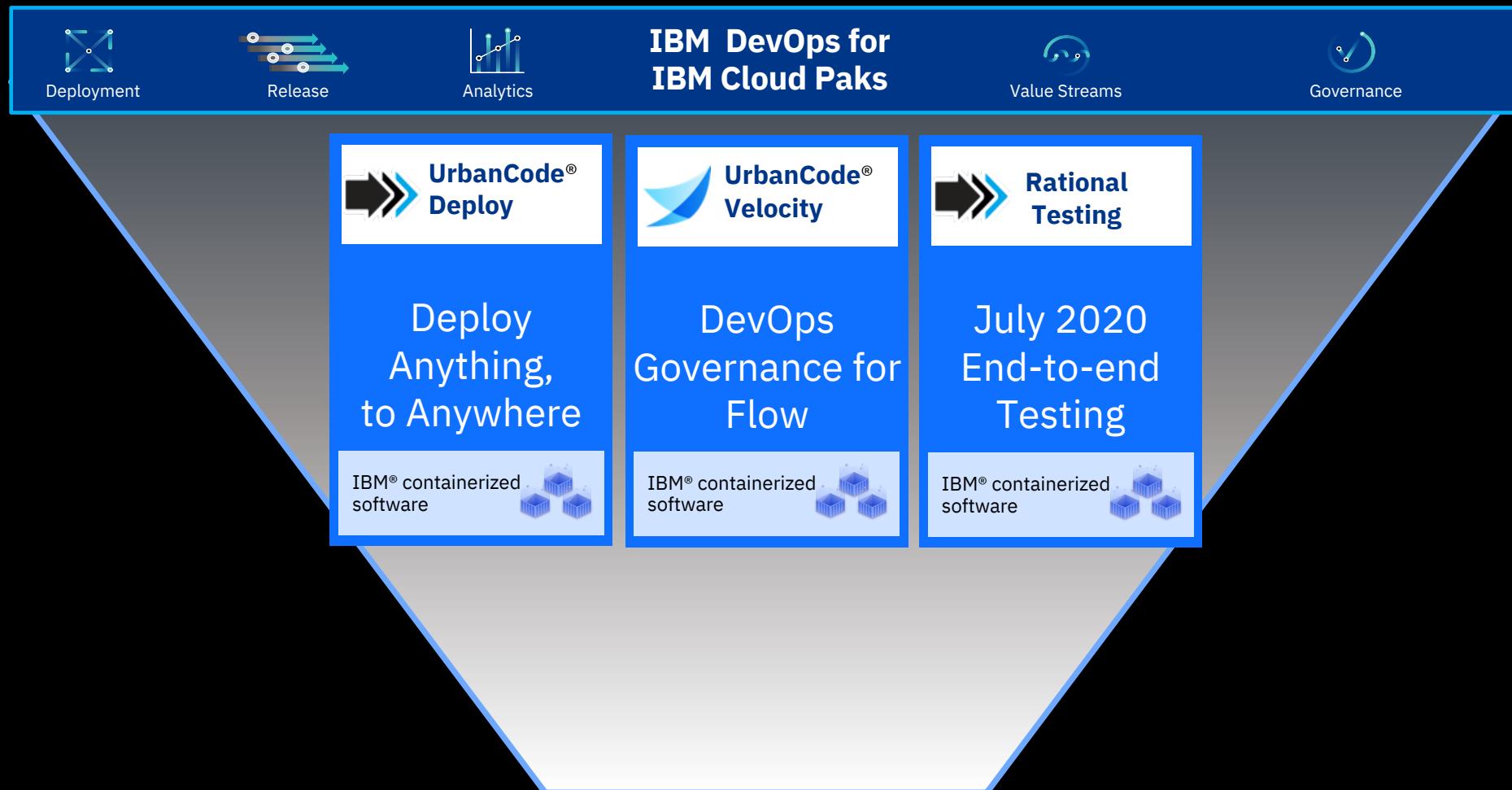
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[Download the report](#)


IBM DevOps for Cloud Paks

What's Included:



What is IBM® Cloud DevOps and why include in deals

Complementing the IBM Cloud Paks™

Connecting Cloud Native and Traditional on premises



Deployment



Release



Analytics

IBM DevOps for IBM Cloud Paks



Value Streams



Governance



Testing

Cloud Pak for Applications

- Deployments to traditional WebSphere, Mobile Foundation, JBoss, etc
- Integration connecting cloud native with existing application deployments.

Cloud Pak for Data

- Deployments for traditional DB2, Cognos, etc.

Cloud Pak for Integration

- Deployments for traditional MQ, APIC, DataPower
- Speed deployments using Aspera for data transfer
- Container deployment support for modernized components

Cloud Pak for Automation

- Deployments for traditional ODM, BPM, and FileNet
- Container deployment support for modernized components

Cloud Pak for Multicloud Management

- Orchestrate application of yaml files to provision infrastructure and deploy applications
- Seamlessly capture Terraform provisioned environments for future continuous deployment

Cloud Pak for Security

- Leverage existing security solution investment integrated in deployment process
- Implement quality gates to reduce vulnerabilities escaping to production

Plugins for:

- WebSphere Application Server
- JBoss
- WebSphere Liberty
- Mobile Foundation

Plugins for:

- Cognos
- DB2
- InfoSphere
- Actifio

Plugins for:

- API Connect
- Aspera
- DataPower
- MQ

Plugins for:

- Operational Decision Manager
- FileNet

Integration:

Functionality for blueprinting cloud environments and automating deployments is directly integrated with IBM Cloud DevOps

Plugins for:

- App Security on Cloud
- CyberArk
- IBM Security Access Manager
- HCL AppScan



IBM Cloud

AWS

MS Azure

Google Cloud



Edge



Private



Systems

THANK YOU