

Automate Mainframe & Mobile Deployment with IBM UrbanCode Deploy

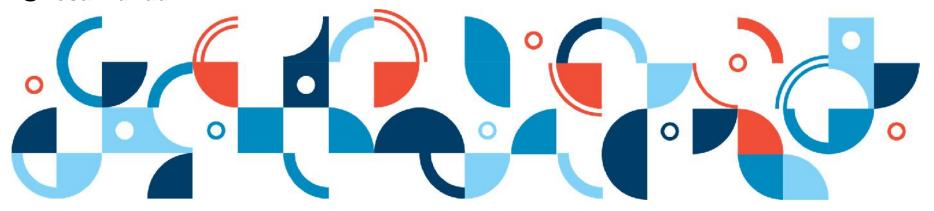
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Software delivery is at the heart of today's top technology trends

Big Data

Insights on new products by more efficiently interpreting massive quantities of data

Cloud

Demand for apps requires fast, scalable environments for dev and test, as well as production

Social Business

Broader set of stakeholders collaborates to deliver continuous innovation and value

Instrumented Products

Industry requirements demand faster response to regulations and standards, with traceability and quality

Mobile

Modern workforce expects constantly updated software to connect to enterprise systems



Intelligent/ Connected Systems

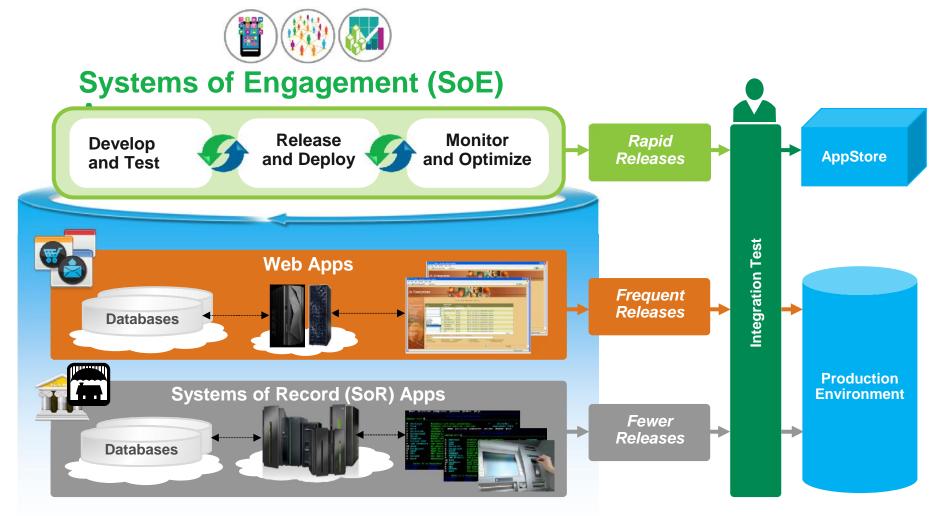
Software component in smart products driving increased value and differentiation





The need: Integrate systems of engagement with systems of record

By bringing together the culture, processes, and tools across the entire software delivery lifecycle – spanning mobile to mainframe platforms





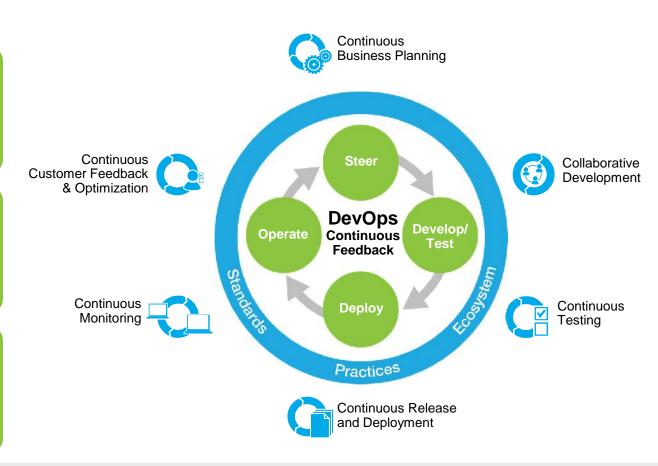
IBM DevOps point of view

Enterprise capability for continuous software delivery that enables organizations to seize market opportunities and reduce time to customer feedback

Accelerate software delivery – for faster time to value

Balance speed, cost, quality and risk – for increased capacity to innovate

Reduce time to customer feedback – for improved customer experience



Our DevOps POV is resonating with clients and they are delivering measurable business outcomes with DevOps

Lifecycle Integration for DevOps

People



Culture
Collaboration
Communication



Process



Management Accountability Integration



Technology



Development Models, Assets, Data and Stores Automation Integration Visibility Ops Tools

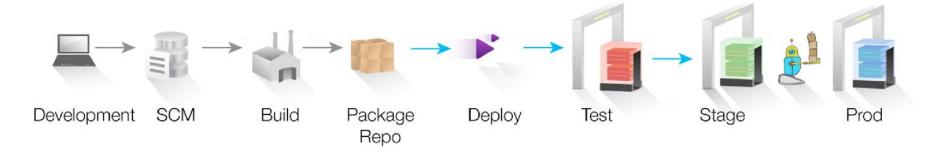


Operational Models, Assets, Data and Stores



UrbanCode for Release and Deployment automation

Enabling clients to more rapidly deliver mobile, cloud, big data and traditional applications with high quality and low risk



Drive down cost

Remove manual effort and wasted resource time with push button deployment processes

Speed time to market

Simple, graphical process designer, with built-in actions to quickly create deployment automation

Reduce risk

Robust configuration management, coordinated release processes, audits, and traceability

IBM UrbanCode Deploy automates the deployment of applications, databases and configurations into development, test and production environments, helping to drive down cost, speed time to market with reduced risk.

IBM UrbanCode Release is an intelligent collaboration release management solution that replaces error-prone manual spreadsheets and streamlines release activities for application and infrastructure changes.

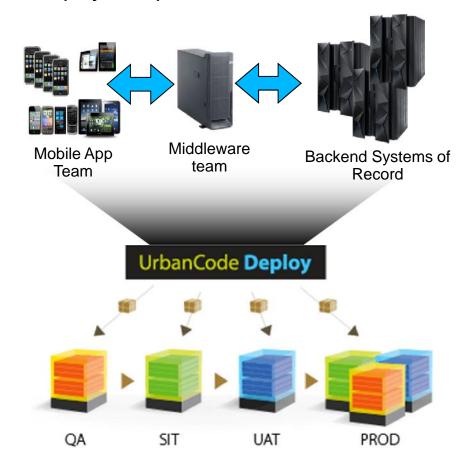
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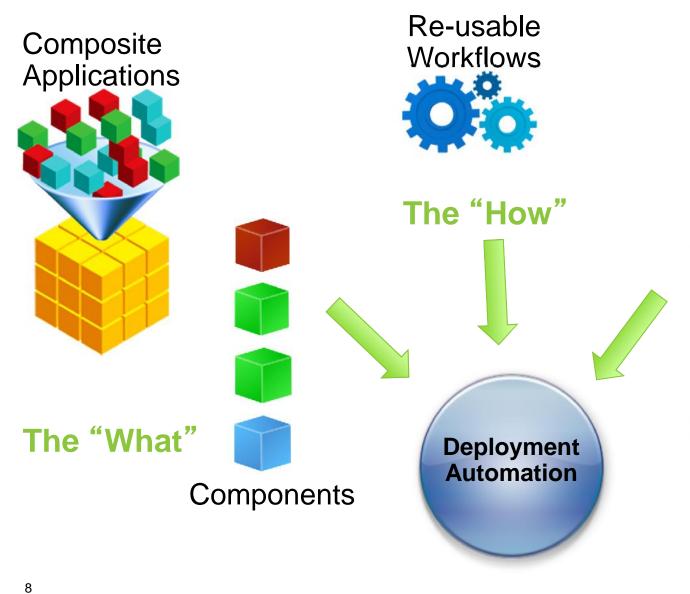
Multi-Platform Application Deployment Automation

Visibility and automated control of your application deployment process

- Manage application components and versions
- Manage configurations across all environments
- Offer secure 'self-service' capabilities
- Increase transparency
- Ensure governance and compliancy



Intuitive and Scalable Model Driven Deployment



The "Where"

Environment Management

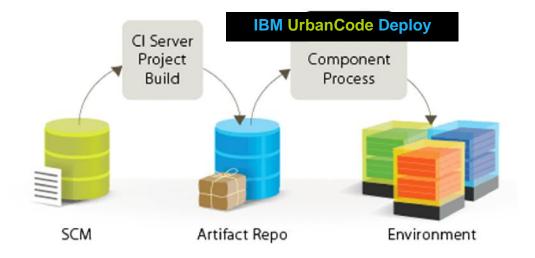




IBM UrbanCode Deploy

Application deployment automation

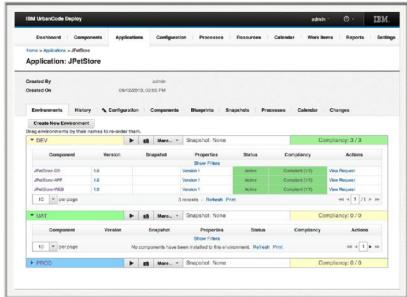
- Manage application components and versions
- Manage environment configuration from dev/test through production
- Ensure compliance
 - Audit history
 - Quality gates
- Easy to use process designer
 - Automate and reuse deployment processes
- Automates deployment to existing and new resources
- Environment Inventory
 - What is deployed where?



Enterprise quality and scale



Key Features





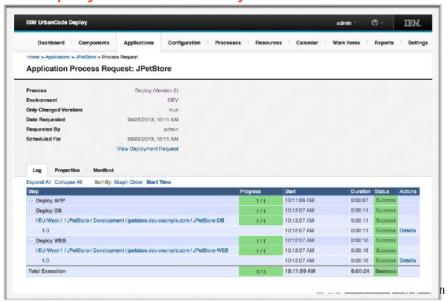
Intuitive Deployment Model

Environment Configuration Management

Rich Drag-and-Drop Workflow Designer

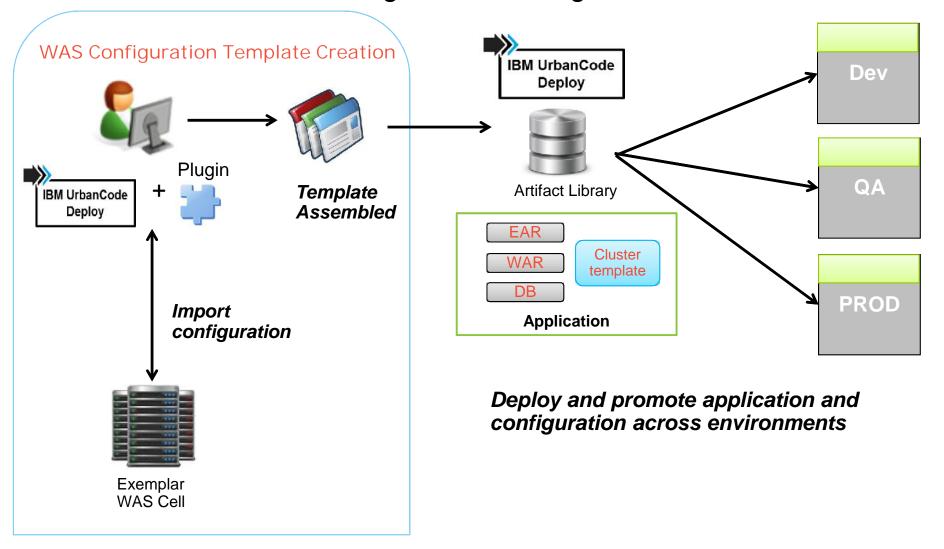
Distributed Deployment Automation

Deployment Inventory





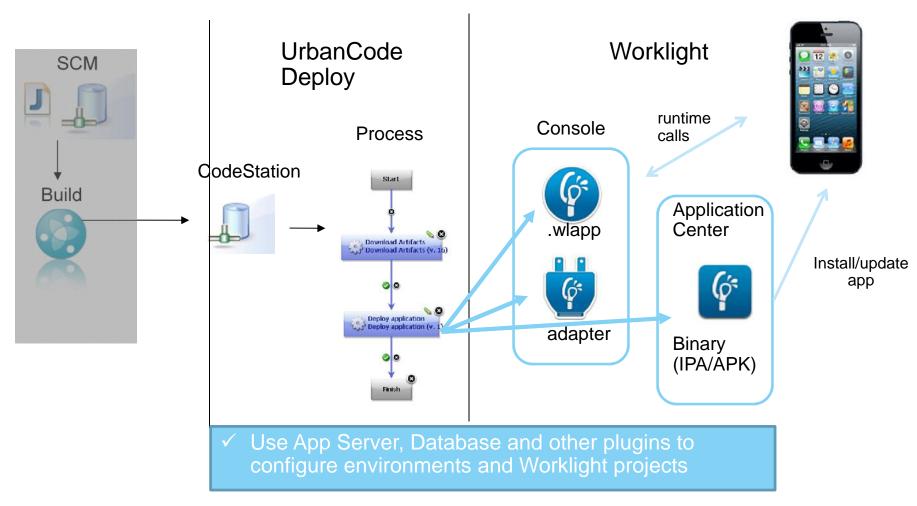
Reliable Middleware Configuration Management





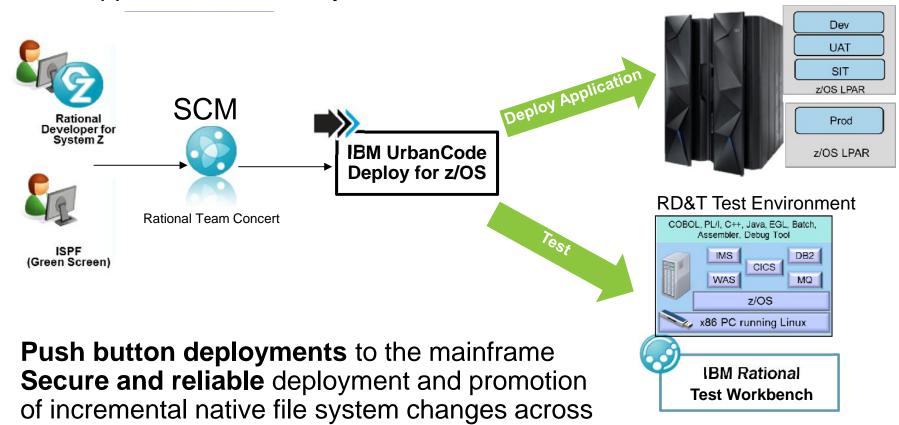
Application deployment automation with IBM Worklight

✓ The new plugin enables automated deployment to Worklight Console and Application Center Supports Worklight Apps targeting iOS and Android





Extend support to back-end Systems of Record

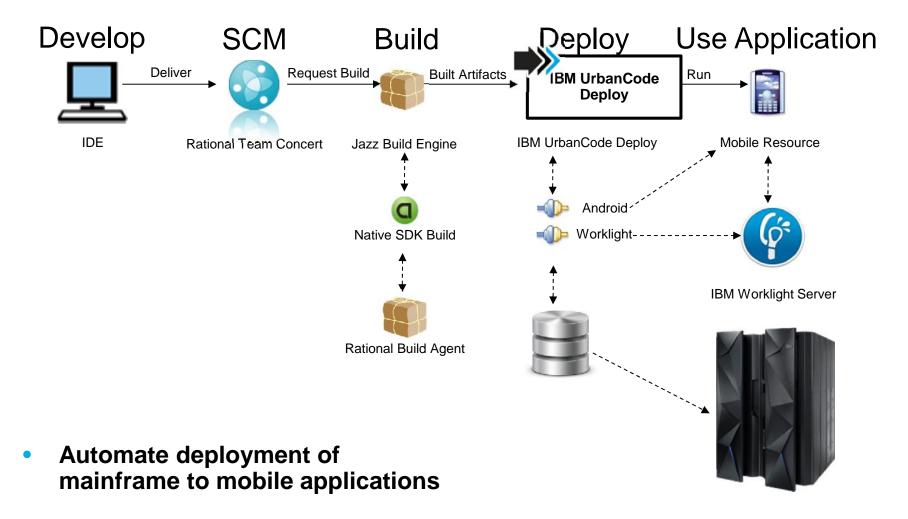


 Greater visibility of "what is where" with the ability rollback to any prior version at ease

environments

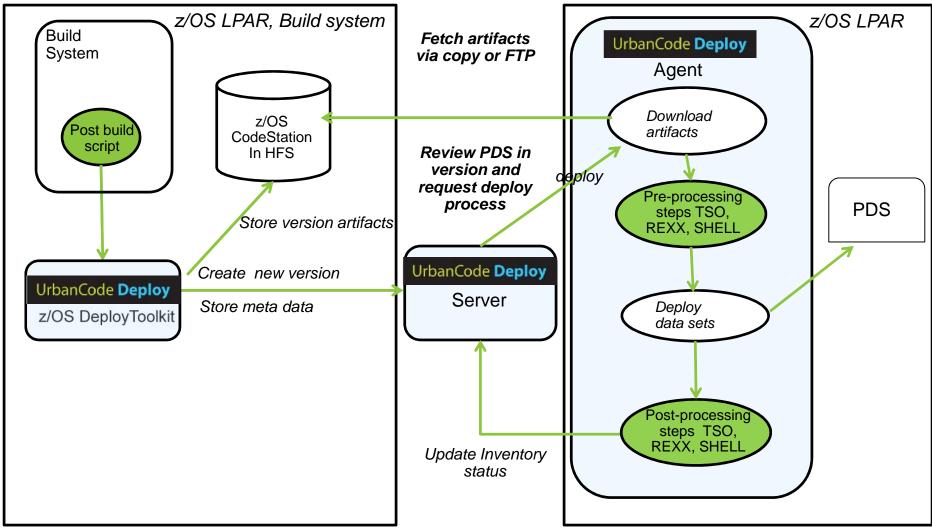


Enable rapid delivery of multi-tier applications





High Level Overview of Deployment Capabilities



Note: LPARs can be the same or different LPARs

z/OS Plugins

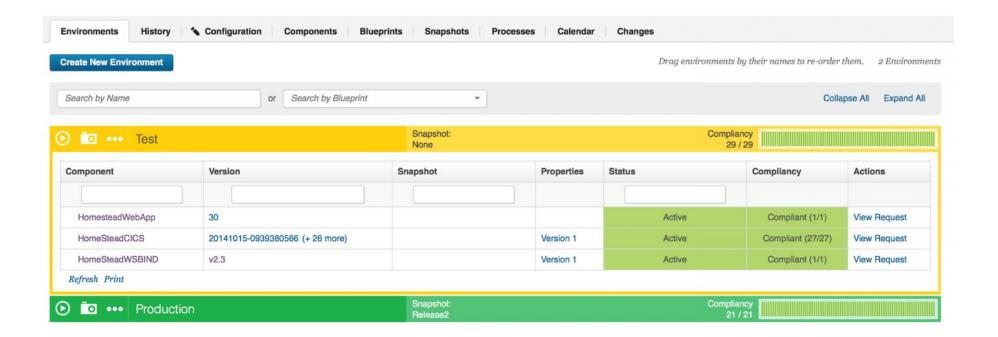
- Copy Artifacts
- FTP Artifacts
- Deploy Data Sets
- Allocate Dataset, From Existing, SMS Managed
- Replace Tokens MVS

- > Run TSO or ISPF Commands
- Rollback Data Sets
- > Submit Job
- Wait for Job



z/OS deployment both traditional applications and HFS artifacts

- Deployment support for artifacts in the HFS
- Allows coordination between Load module deploy and service artifacts or Java on z.

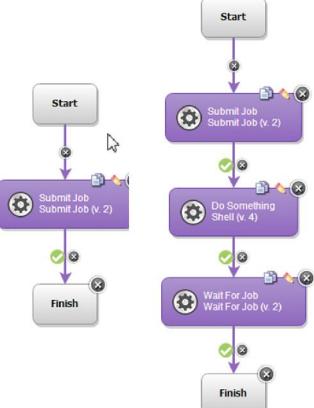




JCL Plug-in V6.1.0.2

Requires job server component from RTC or RDz

- ✓ Mode
 - ➤ Synchronized (Submit & wait for completion)
 - ➤ Asynchronized (Submit, check status later)
- ✓ Source of JCL
 - ➤ MVS Data Set
 - ➤ Unix file
 - ➤ Input JCL content in the step
 - > Replace tokens
- ✓ Logs & Status
 - > Select output data set to be printed in log
 - ➤ Status based on MaxCC (default)
 - ➤ Customize status

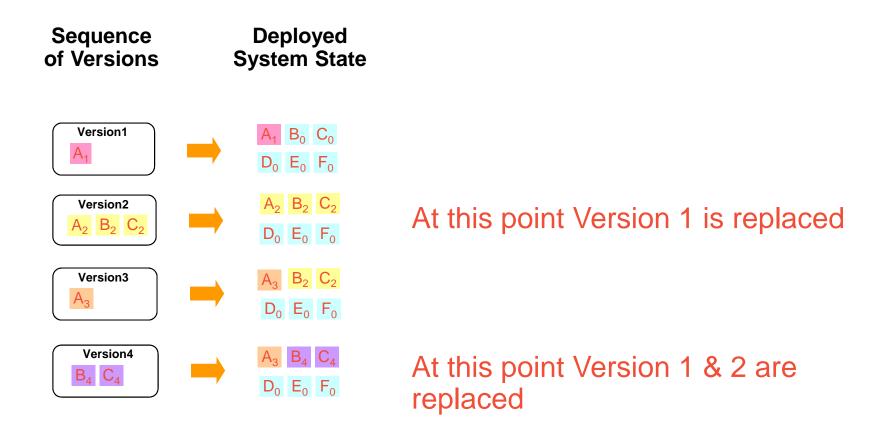


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Managing Redundant Versions V6.1.0.2

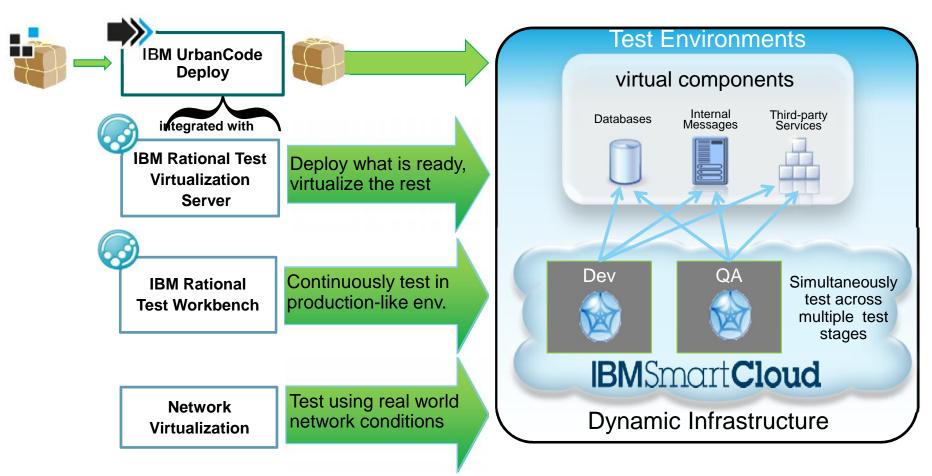
> Redundant versions are versions replaced by one or more subsequent incremental versions.





DevOps: Continuous Testing

Deployment automation and service virtualization for reducing time to market and improving quality





UrbanCode Release

Transform chaotic release planning into streamlined release events

Planning

Prepare Releases for Development

- Schedule releases
- Release content impacting multiple applications
- Project and release kickoff
- Include: Dev, Vendors, COTs & infrastructure

Tracking

Focus release effort appropriately for successful delivery

- Development & test efforts are on-track
- Dependencies & impacts of changes are accounted for
- · Risks monitored and mitigated
- Release-day planning

Governance

Rapidly move changes through pipeline w/o destabilizing envs

- Deployments controlled via quality gates & approvals
- Detailed deployment plans
- Audit trail

Automation

Guarantee deploys are identical across envs & reproducible

- Push-button, standard processes
- All deployment artifacts versioned
- Inventory of artifacts deployed to each environment



Risk Management – Impact Analysis

- Track your changes and dependencies in the context of a release
- Detect what application is at risk
- Integrate with Rational Team Concert



Impacted Applications

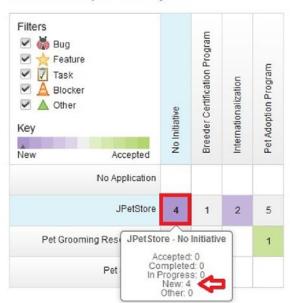


Scheduled in Releases

Name	Description	Lifecycle	Team
Pets Financials 1.1.x	March Release	Default Lifecycle	Core1 Release Team
Pets Online 1.1.x	March Release for Pets Online Retail	Default Lifecycle	Core1 Release Team



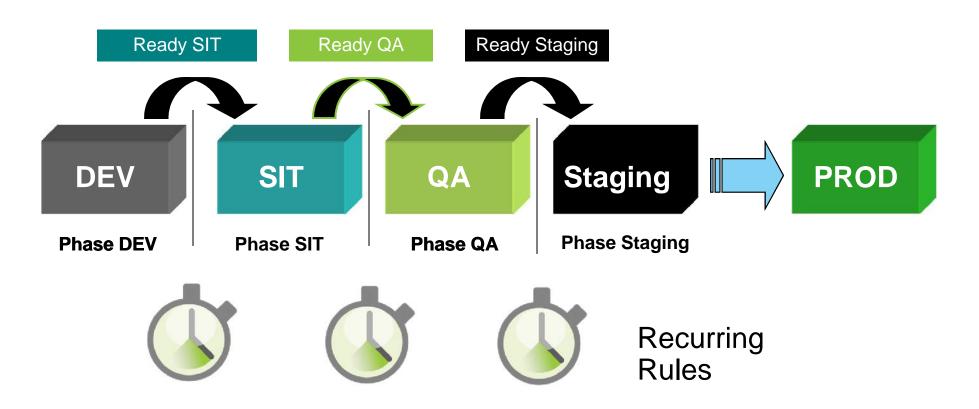
Release Impact Analysis





Boost your Release Process with Auto Progression

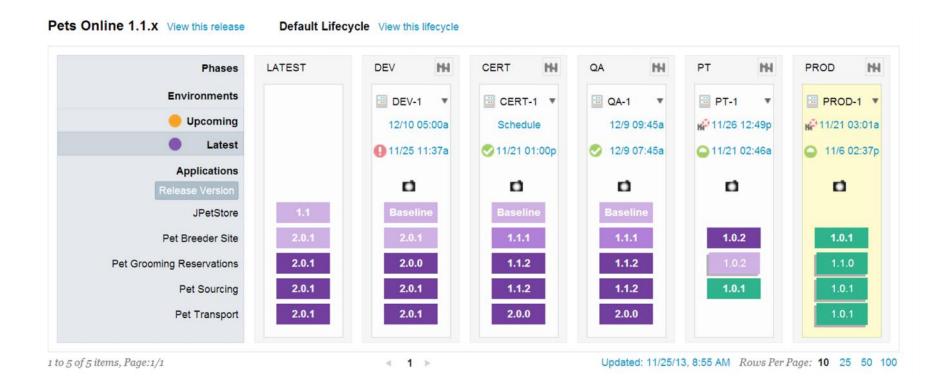
- Recurring scheduled deployments
- Fully automated deployments
- Quality status enforced by the gates





Increased Visibility and Control - Pipeline View

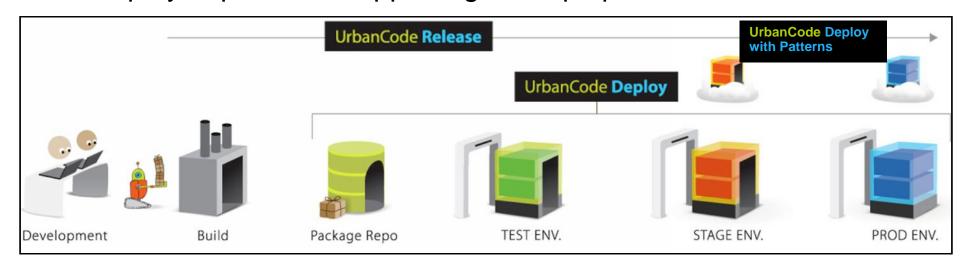
- Keep track of the inventory across the entire life cycle of the release
- Control the entire release lifecycle in an easy to use view

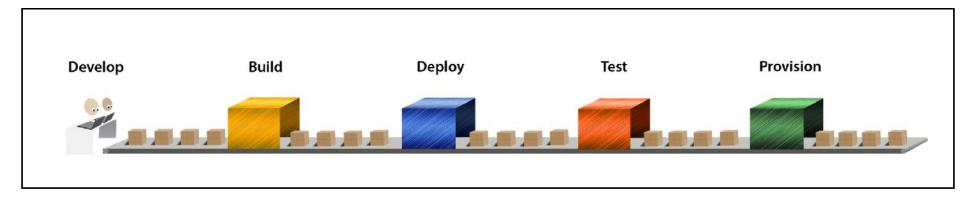




Summary

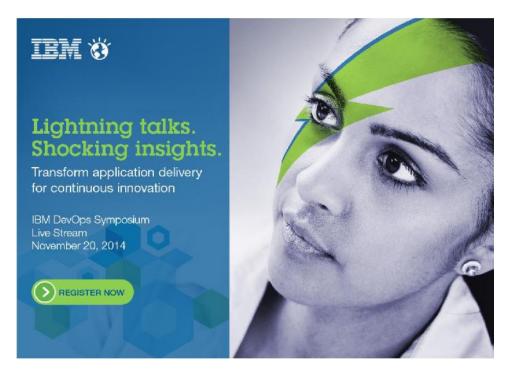
A balanced software delivery pipeline requires automated release and deploy capabilities supporting DevOps practices.





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IBM DevOps Symposium – Thurs, November 20



Face-to-face – New York Metro Limited seating. No charge. November 20, 2014 8.30 AM – 4.00 PM EST Register

Worldwide live stream Unlimited seating. November 20, 2014 8:30 – 9.30 AM EST Register

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