



DevOps: Multiplatform Application Deployment

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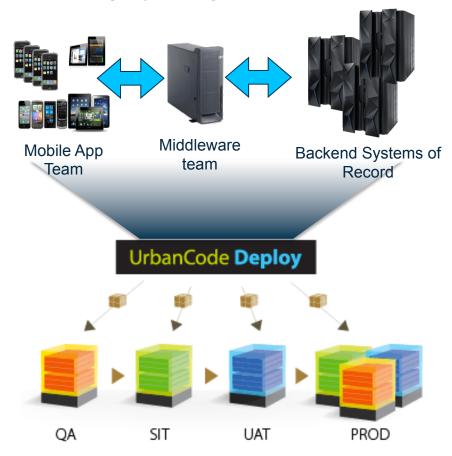




Multi-Platform Application Deployment Automation

Visibility and automated control of your application deployment process

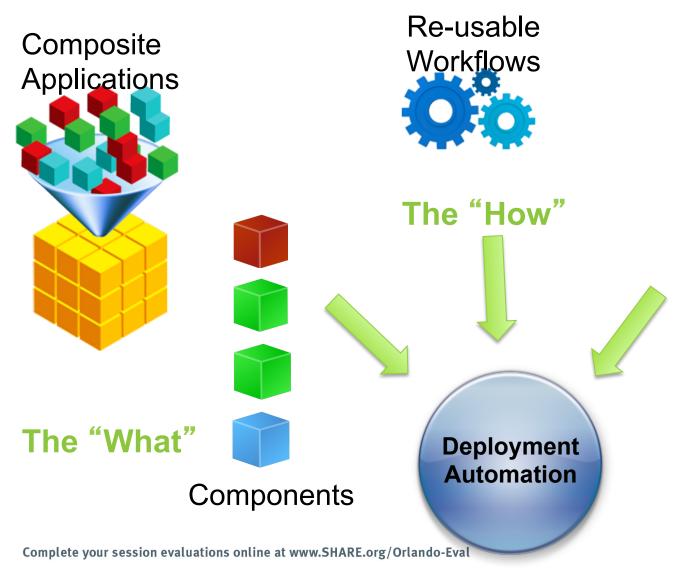
- Manage application components and versions
- Manage configurations across all environments
- Offer secure 'self-service' capabilities
- Increase transparency
- Ensure governance and compliancy





Intuitive and Scalable Model Driven Deployment





The "Where"

Environment Management





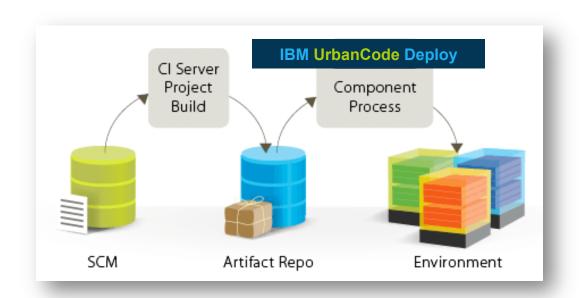




IBM UrbanCode Deploy

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?

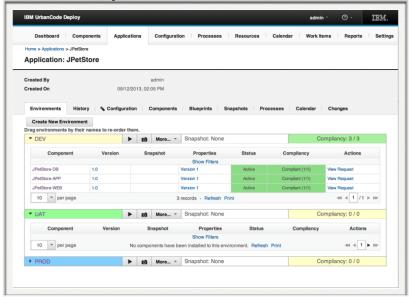


Enterprise quality and scale





Key Features





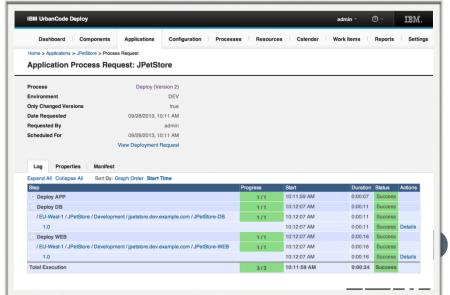
Intuitive Deployment Model

Environment Configuration Management

Rich Drag-and-Drop Workflow Designer

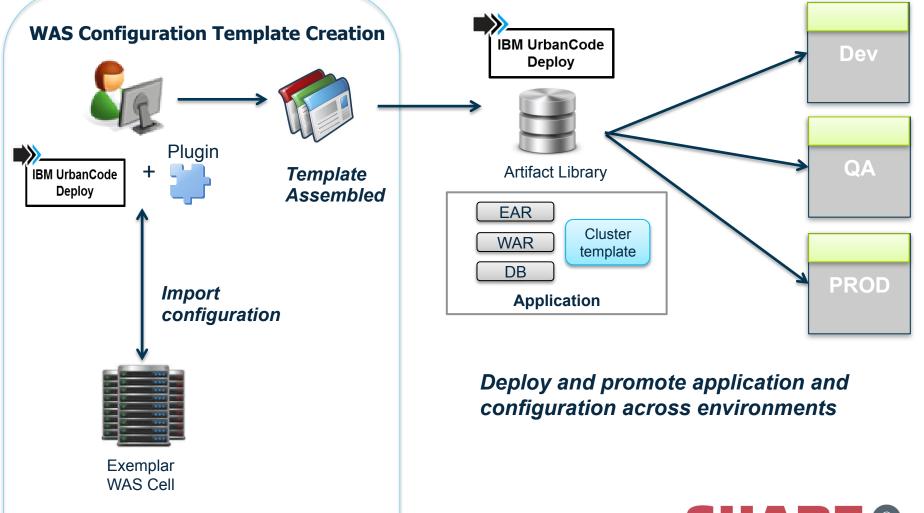
Distributed Deployment Automation

Deployment Inventory





Reliable Middleware Configuration Management Reliable Middleware Configuration Management

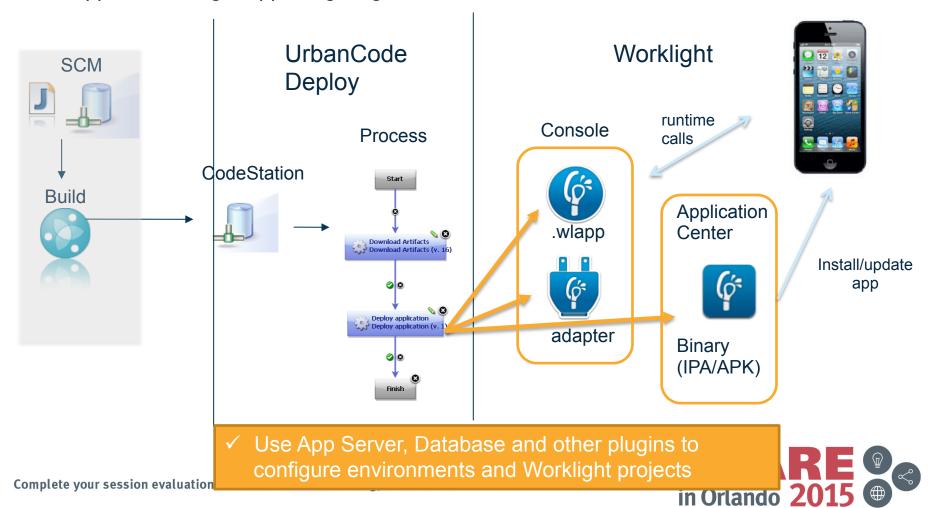


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Application deployment automation with IBM Worklight

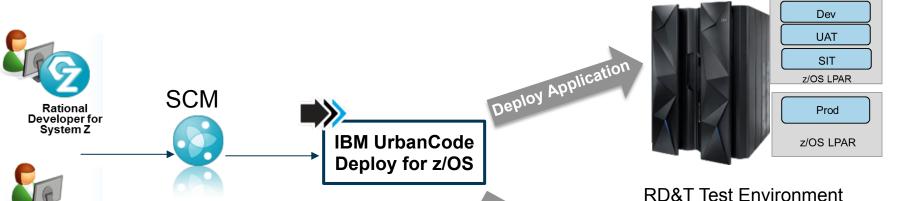


✓ The new plugin enables automated deployment to Worklight Console and Application Center Supports Worklight Apps targeting iOS and Android





Extend support to back-end Systems of Record



- Push button deployments to the mainframe
- Secure and reliable deployment and promotion of incremental native file system changes across environments
- Greater visibility of "what is where" with the ability rollback to any prior version at ease

IBM Rational Test Workbench

🔪 x86 PC running Linux

COBOL, PL/I, C++, Java, EGL, Batch, Assembler, Debug Tool

CICS

z/OS

DB2

MQ

IMS

WAS

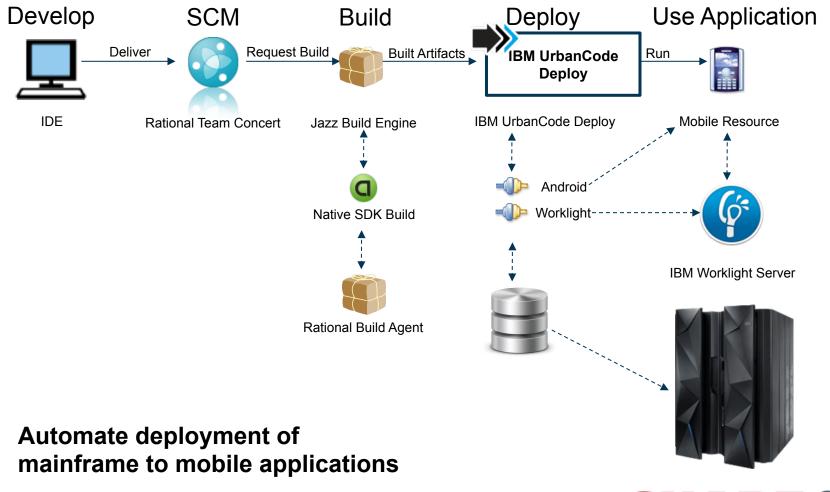


Rational Team Concert

(Green Screen)



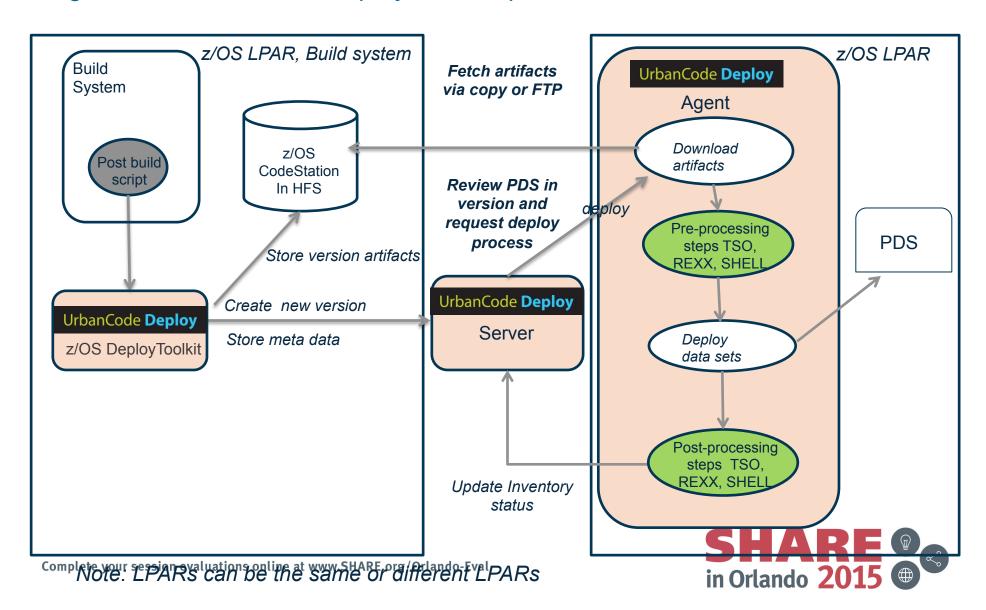
Enable rapid delivery of multi-tier applications



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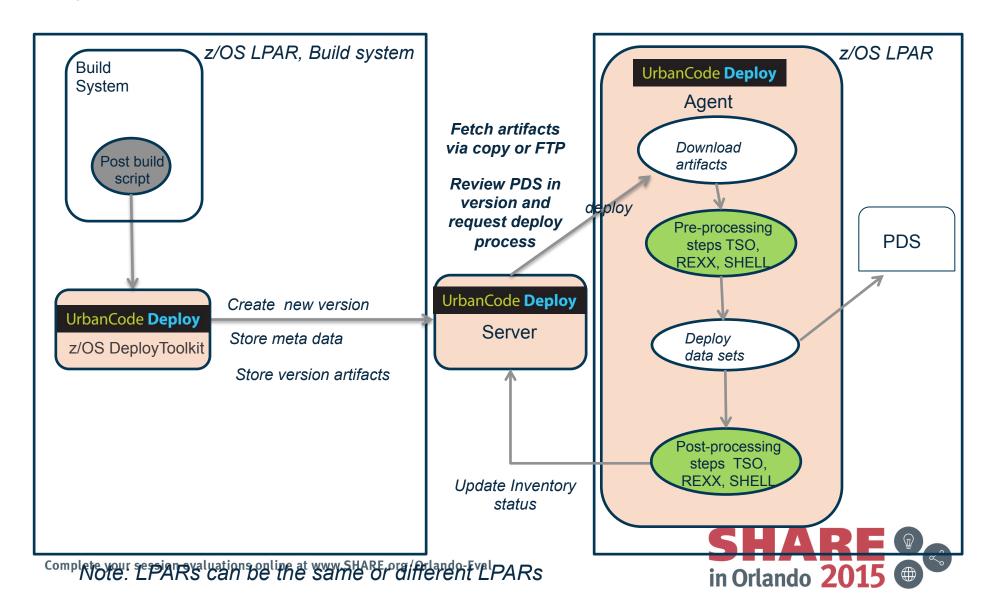


High Level Overview of Deployment Capabilities





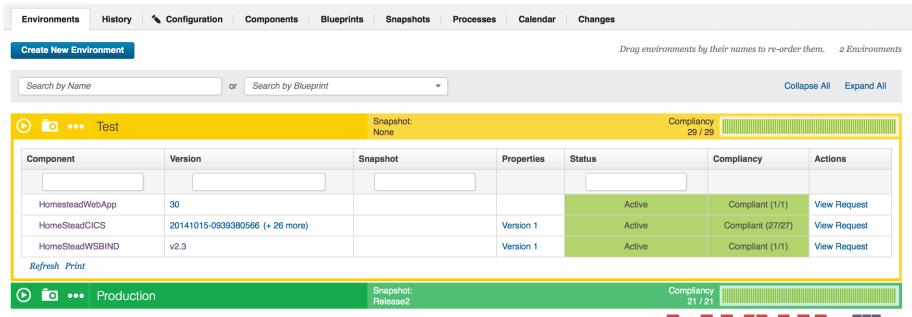
High Level Overview of Deployment Capabilities



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.

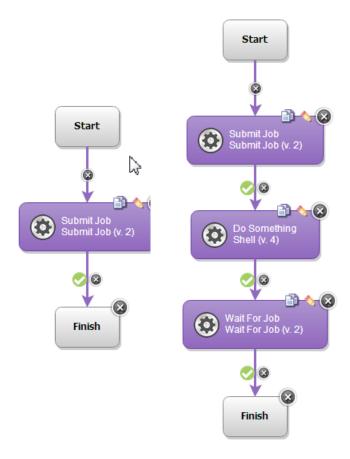






JCL Plug-in V6.1.0.2

- ✓ 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

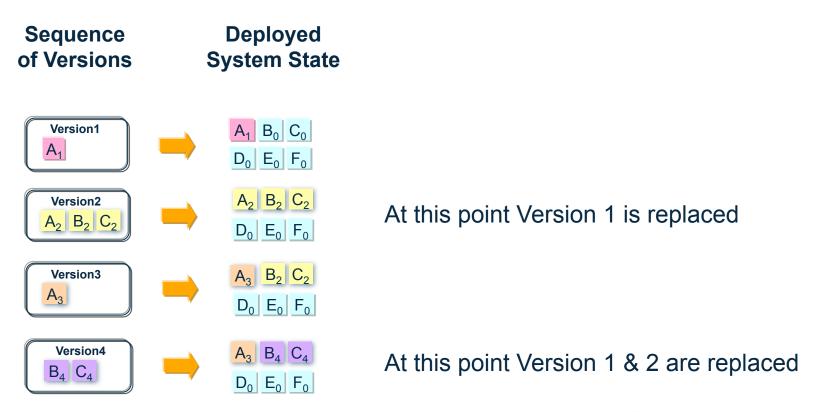




Managing Redundant Versions V6.1.0.2



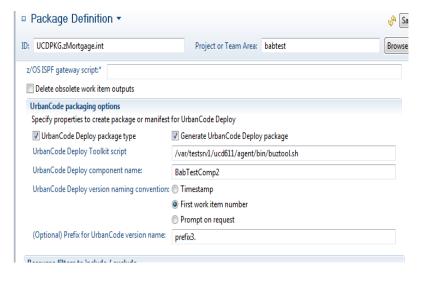
Redundant versions are versions replaced by one or more subsequent incremental versions.

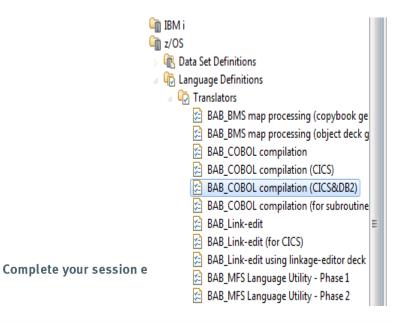


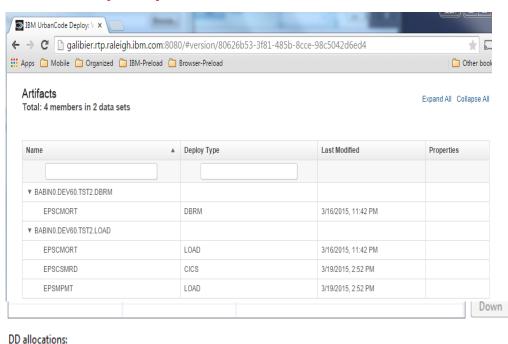




RTC Packaging for UrbanCode Deploy







DD Name	Data Set Definition	Memb	0	C	Keep	Mod	Out	Deployment Type	Publ	A	Add
SYSIN	<input/>	no			no	no	no		no		Edit
SYSLIN	BAB_Temporary f	no			yes	no	no		no	Ξ	Luitiii
DBRMLIB	BAB_DBRM library	yes	S		no	no	yes	DBRM	no		Remove
SYSPRINT	BAB_Temporary f	no			no	no	no		yes		
SYSUT1	BAB_Temporary f	no			no	no	no		no		Up
SYSUT2	BAB_Temporary f	no			no	no	no		no		
STII2V2	RAR Temporary f	no			no	nn	no		no	Ŧ	Down

▼ Variables

Define variables and values used by this translator.

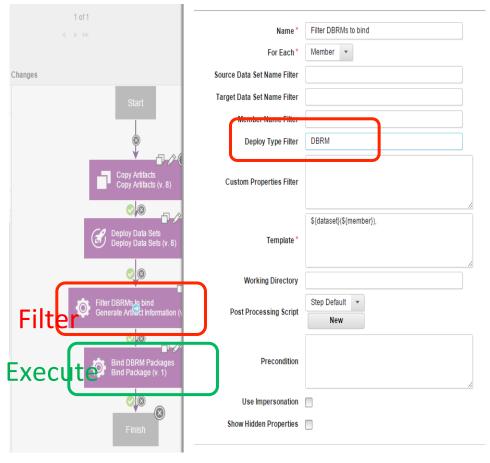
Name Value Add...

...and deployTypes can direct UCD actions



 And UrbanCode Deploy processes can use these deploy types to determine and execute special actions at deploy

time...

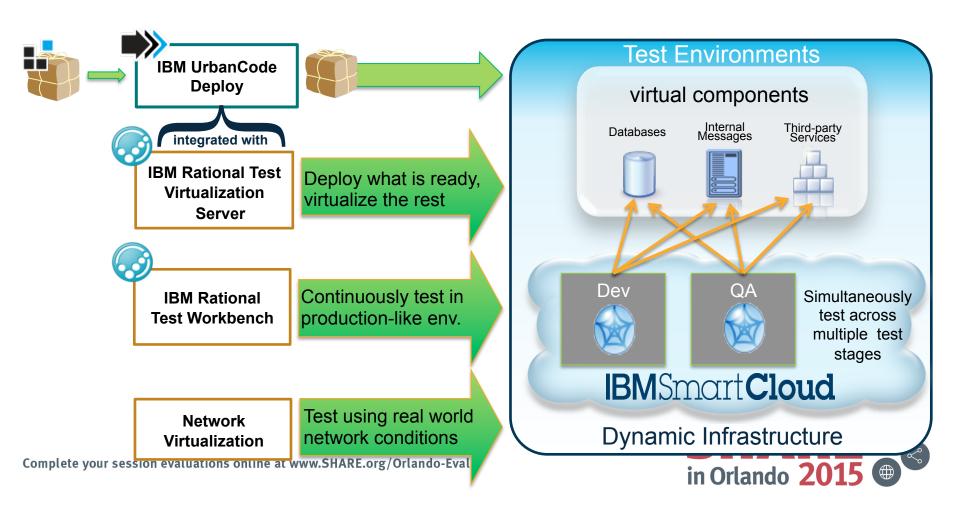






DevOps: Continuous Testing

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





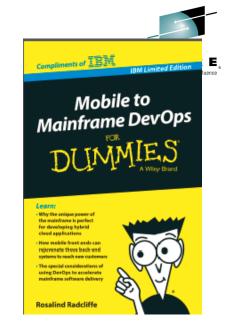
Mobile to Mainframe **DevOps for Dummies Book**

Author: Rosalind Radcliffe, IBM **Distinguished Engineer**

Available as ebook and hard copy

Meet the author while at SHARF

 Book signing at the IBM Booth #312 Atlantic Hall C Monday and Tuesday 6-7:30 PM First 250 copies



https://ibm.biz/mmdevops

8 Chapters – 72 pages

- 1. Understanding the Value of the Mainframe
- 2. Typical Mainframe Application Development Challenges 7. Waking a DevOps transition
- 3. DevOps and Mainframe: Mission Possible?
- 4. DevOps Best Practices for z Systems
- 5. Building for the modern omni channel world
- 6. DevOps Success Stories in the Enterprise

8. Where DevOps can take you

Why the unique power of the mainframe is perfect for developing hybrid cloud applications www.SHARE.org/Orlando-Eval

How mobile front ends can rejuvenate those back-end systems to reach new customers

The special considerations of using DevOps to accelerate









Thank You

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