



UrbanCode Deploy plugin for z/TPF

IBM z/TPF DevOps - Development Tools

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IBM **z/TPF**
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1 Minute

Introduction

4 Minutes

Case for DevOps

6 Minutes

UrbanCode Deploy

4 Minutes

Q&A

In the fast-paced 24x7 world, availability,
scale and **speed** is everything.

It's why you rely on z/TPF.

... but embedded in this idea of **speed** are the words of a pre-Socractic Greek philosopher...

“Change is the only constant”

- Heraclitus

How much more could be accomplished if we embraced “change” while maintaining the same level of performance?

What Transformational Performance,
on and off the platform could you achieve?

As we evolve our platform we want to **enable** customers to meet both the challenges in performance and constant change.

Meet the need of **faster response times to changes** in market place conditions and industry by **continuously improving applications and user** experience through automated deployment.

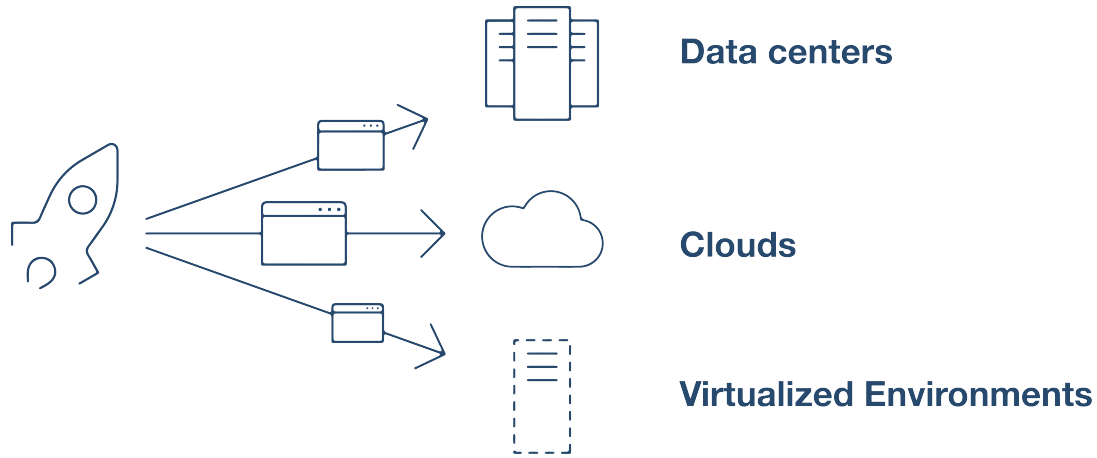
How? you ask?

IBM UrbanCode **Deploy**

Orchestration, Automation and Deployment Platform

Industry-leading application release platform for
faster time to market, higher quality and lower costs.

Reduce Errors • Improve Productivity • Ensure Compliance • Faster Deployment



Automated end-to-end deployment of **applications** and orchestration of **middleware** and **databases** across all systems and environments.

Development

QA

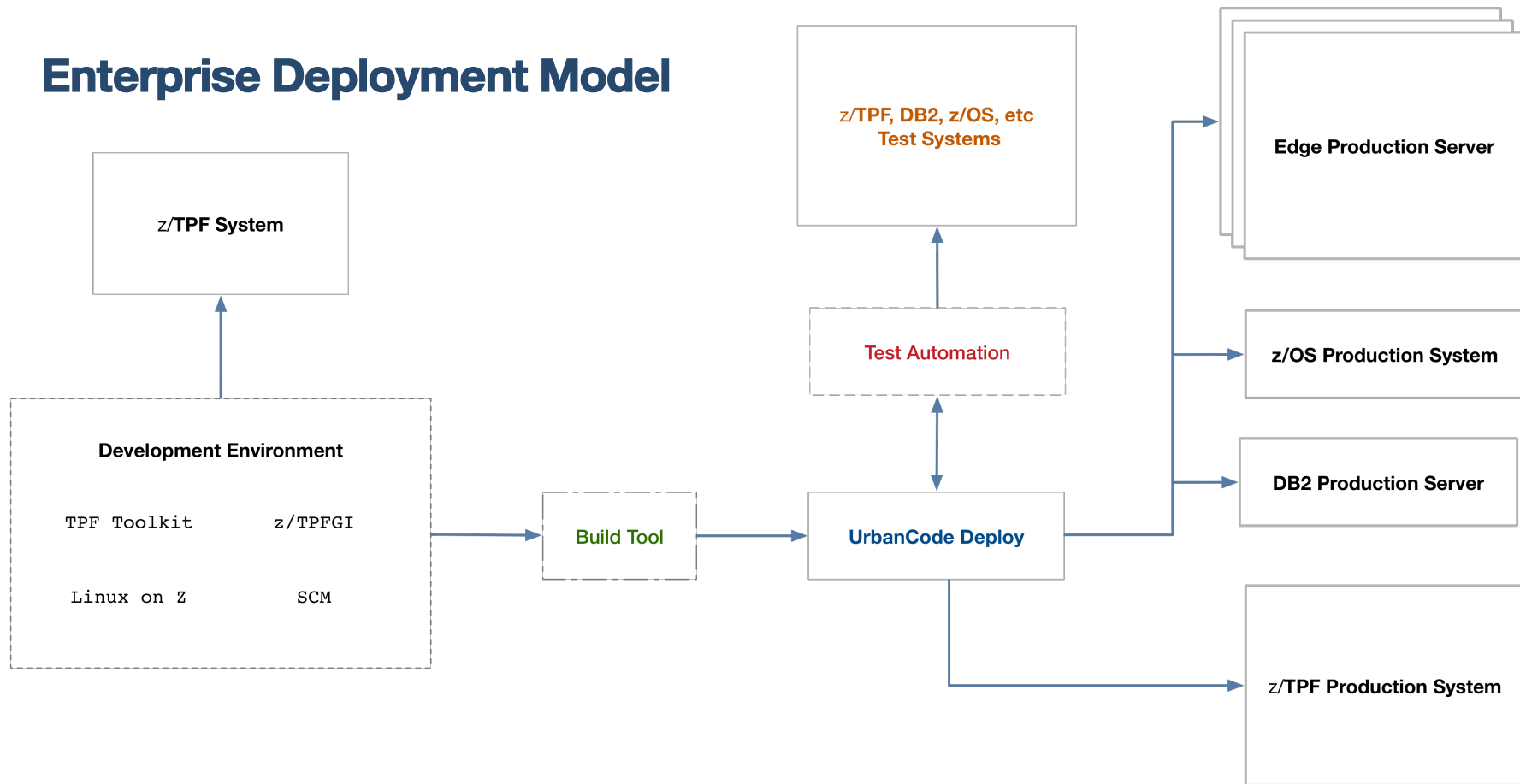
Production



Promote changes from **development** to **test**
and into **production** environments.

Where does UrbanCode Deploy fit in a Deployment Topology?

Enterprise Deployment Model



Developer submits code changes to build system which kicks off an automated UrbanCode deploy process to test environments.

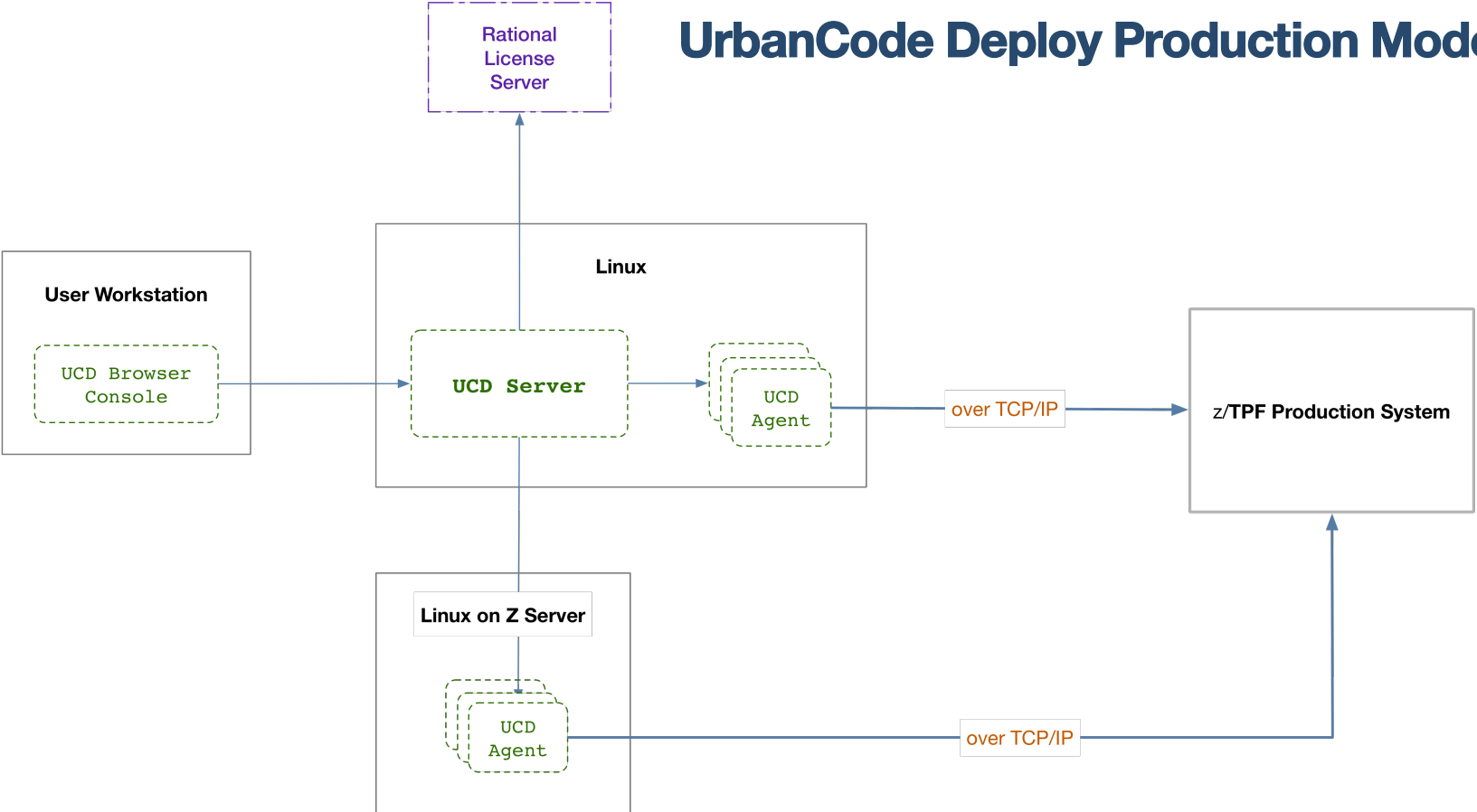
If a failure occurs at any point UrbanCode handles the roll-back.

And since all deployment work is automated and done through **UrbanCode Deploy** there is always a record of what has been deployed to where, through an **easy to use modern interface**.

Systems of Record meets Systems of Engagement

... now a closer look at a production UrbanCode Deploy configuration within the Enterprise Deployment Model ...

UrbanCode Deploy Production Model



What's so special about UrbanCode Deploy?



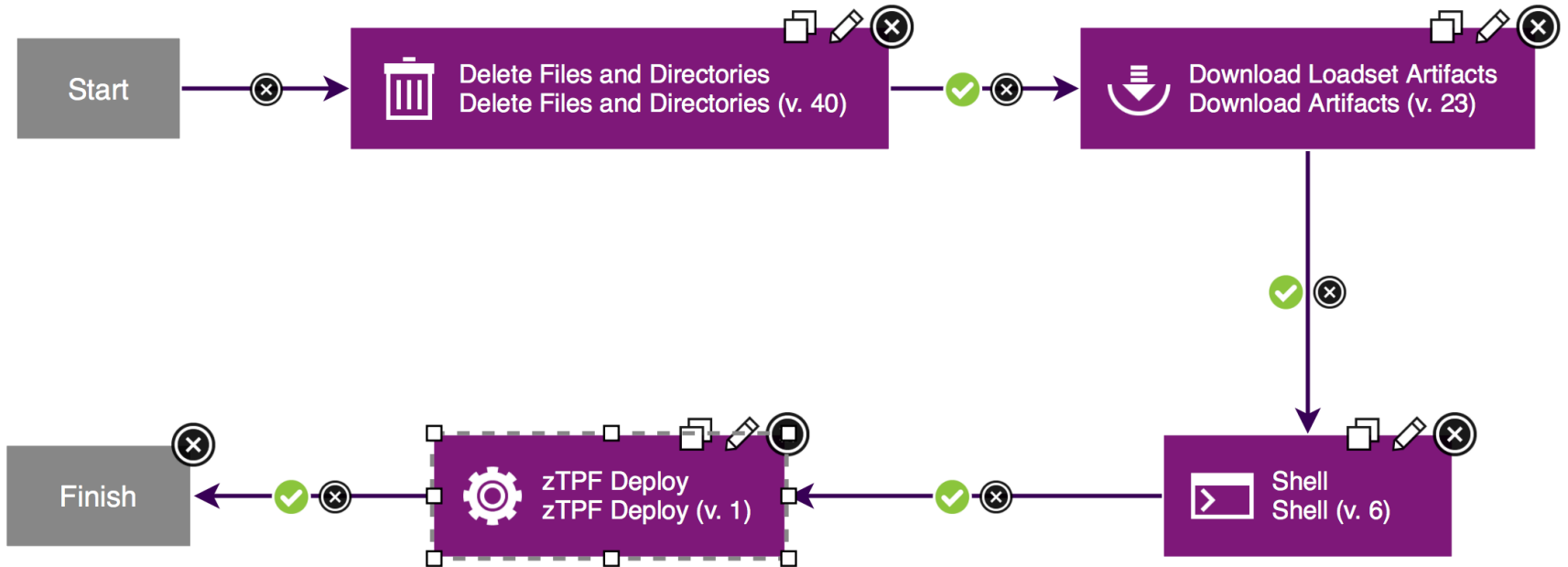
UrbanCode is built with flexibility and extensibility at its core, and much of the value of this automation engine stems from integration with other systems via **plugins** and **utilities**.

Plugins and Utilities are arranged visually via a web interface into an automated series - a **Process**.

Defined by you, a **Process** executes all the steps needed to **promote code changes** across your environments.

Lets take a look!

Sample Process



Ecosystem

Over 152 plugins, utilities and integration packages including:

z/OS, Linux, DB2, Hadoop, IMS, SQL Databases, Puppet, Jenkins
Git, Rational Asset Manager, Subversion, Maven, Chef, Groovy,
Docker, Cloud Foundry, Amazon EC2, and much more.

... except plugins that integrates with our **favorite** system

Until today.

z/TPF **Plugins**_{beta}

We have created 3 separate beta plugins to send
ZOLDR LOAD, ACTIVATE, ACCEPT, and
DELETE actions to z/TPF systems.

z/TPF Deploy_{beta}

ZOLDR **LOAD** and **ACTIVATE**

Edit Properties



Name *	<input type="text" value="zTPF Deploy"/>
User Token *	<input type="text" value="Galvez"/>
System IP Address *	<input type="text" value="9.57.13.90"/>
Debug Daemon Port *	<input type="text" value="8000"/>
Image	<input type="text"/>
Subsystem	<input type="text" value="BSS"/>
ZDSMG Data Definition Name *	<input type="text" value="NEWLOAD"/>
Loadset Location *	<input type="text" value="/tmp/jwisnie.older"/>
Loadset Name *	<input type="text" value="10100"/>
Processor ID	<input type="text" value="All"/>
System Timeout	<input type="text" value="1"/> ▼
Load Debug Information	<input type="checkbox"/>

OK

Cancel

z/TPF Commit_{beta}

ZOLDR **ACCEPT**

Edit Properties



Name *	<input type="text" value="zTPF Commit"/>
User Token *	<input type="text" value="Galvez"/>
System IP Address *	<input type="text" value="9.57.13.90"/>
Debug Daemon Port *	<input type="text" value="8000"/>
Image	<input type="text"/>
Subsystem	<input type="text" value="BSS"/>
Loadset Name *	<input type="text" value="10100"/>
Processor ID	<input type="text" value="All"/>
System Timeout	<input type="text" value="1"/> ▼

OK

Cancel

z/TPF Undeploy_{beta}

ZOLDR **DEACTIVATE** and **DELETE**

Edit Properties



Name * zTPF Undeploy|

User Token * Galvez

System IP Address * 9.57.13.90

Debug Daemon Port * 8000

Image

Subsystem BSS



Loadset Name * 10100

System Timeout 1

OK

Cancel

Summary

WHY In a fast-paced 24x7 world availability, scale, speed and faster time-to-market enable businesses to leverage “**constant change**” as a competitive advantage.

HOW Automated end-to-end deployment of **applications**, orchestration of **middleware** and **databases** across all systems and environments.

WHAT **UrbanCode Deploy** with z/TPF plugins coupled with hundreds of other integrations plugins.

Getting Started

**Your company may already be using UCD
in your distributed environments!**

Starter Kit

(including z/TPF beta plugins)

Will be announced on the TPF Blog.

<https://www.ibm.com/developerworks/community/blogs/zTPF>

UrbanCode Deploy Plugins

(including z/TPF beta plugins)

<https://developer.ibm.com/urancode/plugins/ibm-urancode-deploy/>

Request For Enhancements

The z/TPF **Plugins** are in the beta stage. If you would like us to develop these and more functionalities formally submit a **Request For Enhancement (RFE)**.

Contact **your CSR** if you need any assistance through the RFE process.

Questions?

Thank You!

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