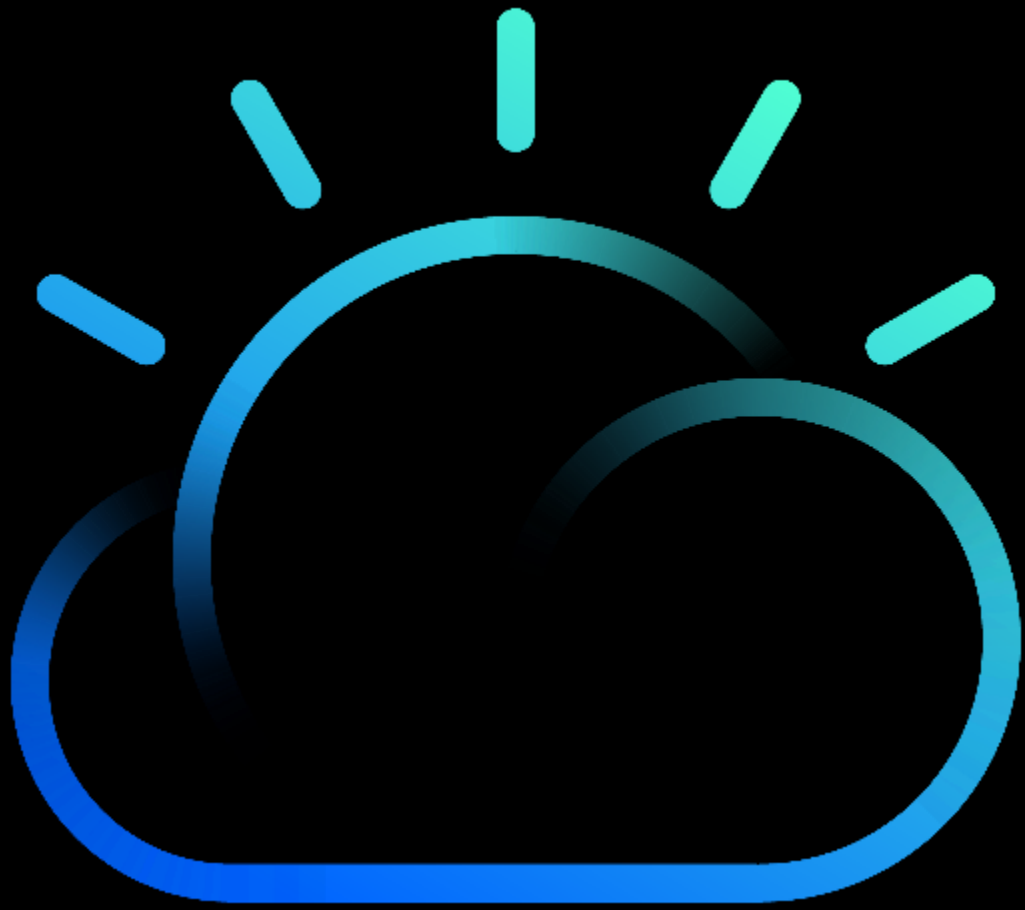
IBM

UrbanCode & Ansible:
Better Together ….
For IBM Z !



IBM Cloud

Laurel Dickson-Bull
IBM Offering Manager for IBM UrbanCode Deploy

UrbanCode Deploy is a tool for automating application deployments through environments. It is designed to facilitate rapid feedback and continuous delivery in agile development while providing the audit trails, versioning, and approvals needed in production

Ronnie Geraghty
IBM Z DevOps Technical Specialist

I work with Mainframe application development and operations teams to help them create fully automated DevOps pipelines for their z/OS applications using a combination of IBM and Open Source tools.

Haley Fung
IBM Offering Manager for IBM IMS and Ansible for IBM Z

Haley is one of the IMS and Ansible offering managers who specialized in enterprise modernization, API and DevOps. She is a frequent speaker at conferences and works with many customers transforming to a modern Z systems.

Bryant Panyarachun
IBM Development Lead for Ansible for IBM Z

Bryant is one of the development leads in the IMS organization focusing on Cloud Native and DevOps integration for IMS clients and modernization with open source standards and tooling. He has been working with z/OS middleware teams to produce Ansible content to enhance the benefits of using Ansible automation with z/OS.

Randy Langehennig
IBM WW DevOps Technical Specialist - Monitoring Chat

Why care about IBM Z ?

Keep in mind, seventy percent of the world's data still resides on the mainframe. The most critical financial institutions, airline companies, and healthcare providers leverage the mainframe every day, and they are not going away anytime soon.

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Red Hat Ansible Certified Content for IBM Z

Red Hat Ansible Automation Platform

Red Hat Ansible Automation Platform is the enterprise framework for Ansible that enables a common approach to hybrid applications and infrastructure management

Flexibility

- Bring disparate IT into a coherent whole using a market leading open solution backed with enterprise support
- Interact directly with z/OS resources or integrate with existing platform tools

Consistency

- Integrate z/OS into an enterprise automation strategy in a consistent way
- Centralize management of your IT infrastructure

Simplicity

- The certified collections codify much of the z/OS specific knowledge and complexity
- Developer or system programmer can focus on their tasks and be more productive

Red Hat Ansible Certified Content for IBM Z

- Set of collections that accelerate the use of Ansible with IBM Z for configuration, provisioning, application deployment for z/OS etc..
- 4 Ansible for Z collections available today in Ansible Galaxy or Automation Hub:
  - z/OS Core
  - IMS
  - z/OS MF
  - System Automation
  - Intended future collection includes zHMC, CICS…
- Over 7800 total Ansible for Z collections downloads

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UrbanCode Deploy for Z & Ansible for Z – Better Together

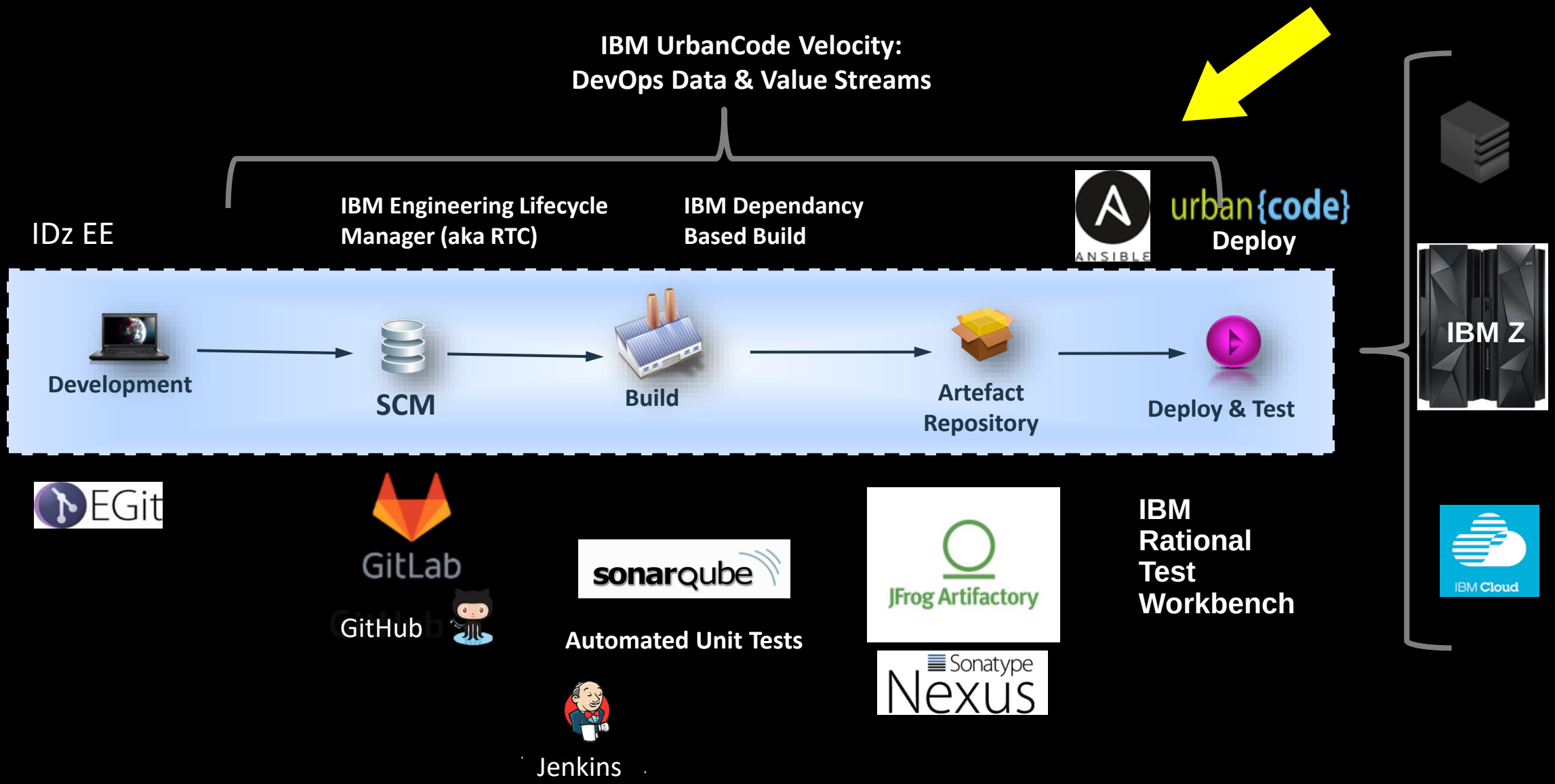
If I have Ansible, how can UrbanCode improve my DevOps experience on z/OS?

- Orchestrate the deployment of multiple packages simultaneously
- Manage external events inside the execution of a deployment (e.g., approvals)
- Restore a previous version in case of aborted deployment
- Keep track of every delivery through inventory capabilities
- Make deployment process easy to understand

If I have UrbanCode, how can Ansible improve my DevOps experience on z/OS?

- Limitless adaptation to user needs and integration with open source tools
- Keep advantage of agentless solution
- Parallelism –ability to drive automation to multiple systems simultaneously
- Consistency across enterprise hybrid multicloud environments through a single coherent market leading solution

One Pipeline across the Enterprise



Demo Environment Diagram

RHEL Server

- Python
- Ansible
- IBM z/OS Core Collection for Ansible

IBM UrbanCode Deploy (UCD) Server

- Orchestrate UCD Process

Linux UCD Agent

- Run Ansible

IBM ZD&T

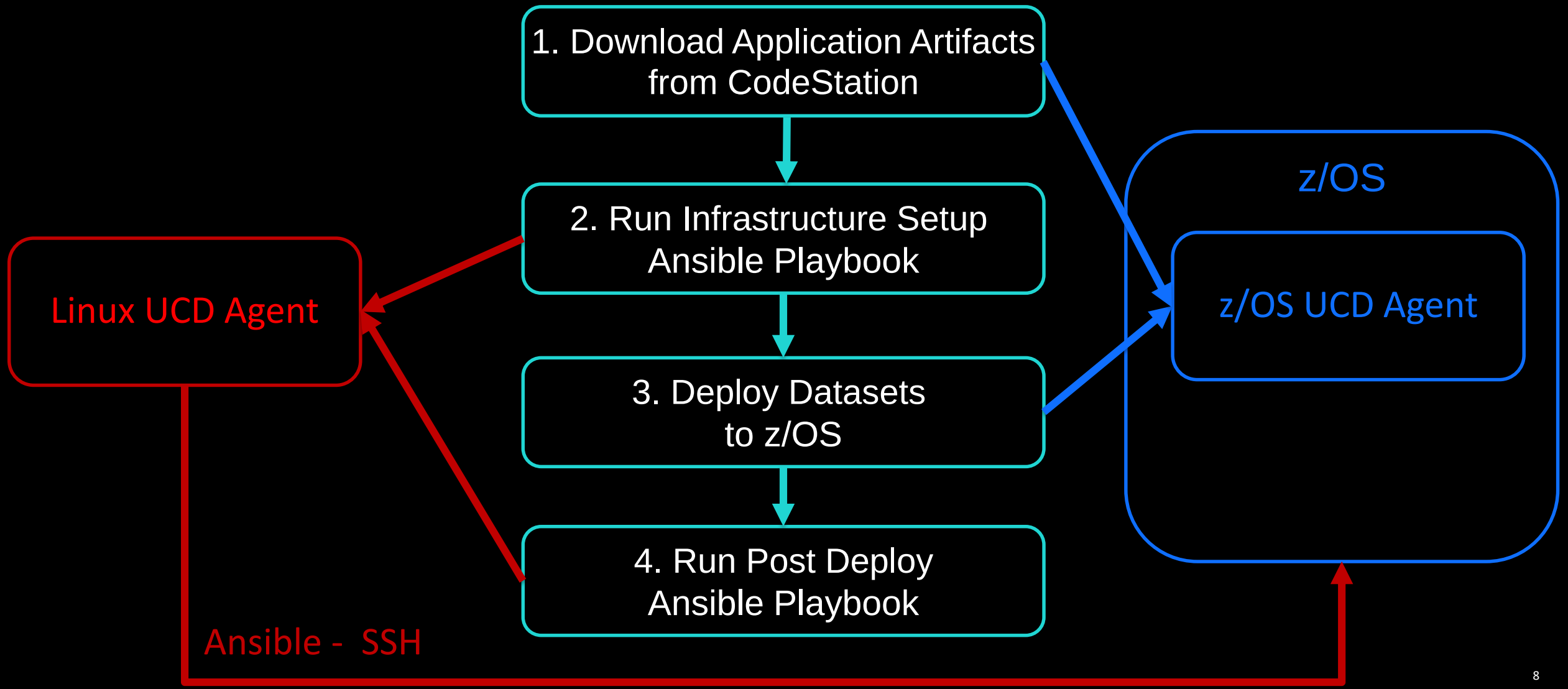
- IBM Open Enterprise Python
- Z Open Automation Utilities

z/OS UCD Agent

- Run z/OS App Deploy

IBM Z DevOps / UCD & Ansible Demo Diagram / Oct 15, 2020 / © 2020 IBM Corporation

UrbanCode Deploy (UCD) Application Process



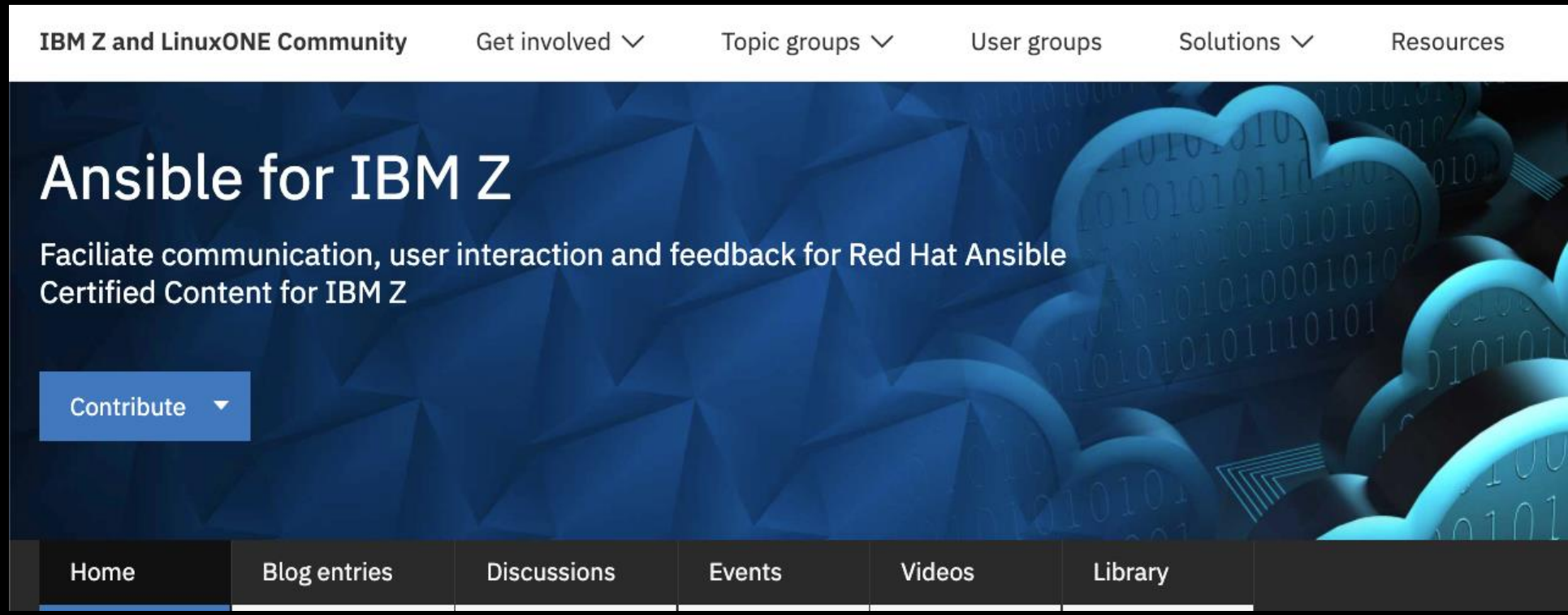
IBM Z DevOps / UCD & Ansible Demo Diagram / Oct 15, 2020 / © 2020 IBM Corporation

Demo

Join the Ansible for IBM Z community

- Facilitate communication amongst Guild members
- Host past recordings and presentations of Guild meetings
- Post blogs & videos for the IBM Z community

[Ansible for IBM Z: IBM Z & LinuxONE Community]



Community Content

[Announcing Red Hat Ansible Certified Content for IBM Z]

[System Magazine Web Article]

[Ansible, meet IBM Z]

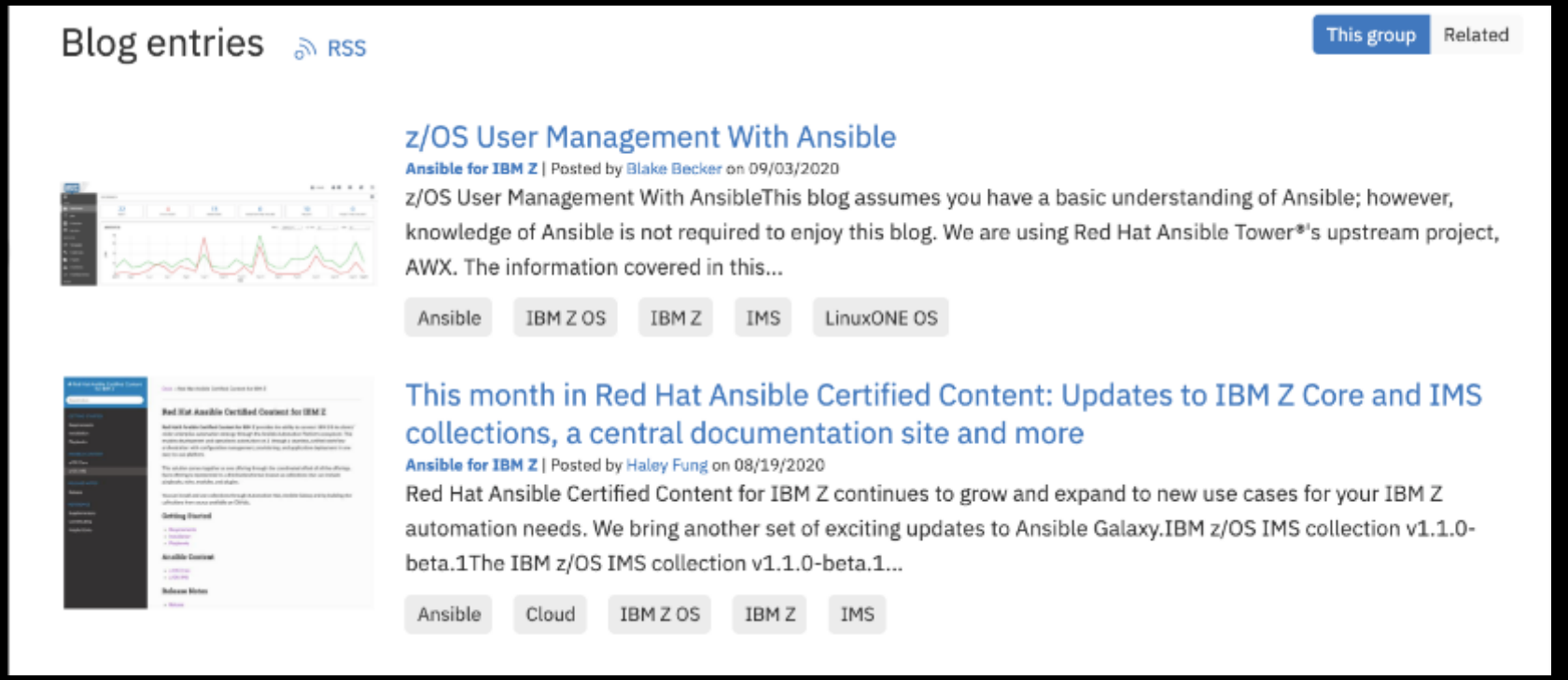
[Getting started: Ansible on Z]

[Experience the Powerful Automation Capabilities of Ansible with z/OS Today]

[How an IBM Intern is Automating on z/OS with No Z Experience]

[Learn how to run batch jobs without using JCL on z/OS with Ansible]

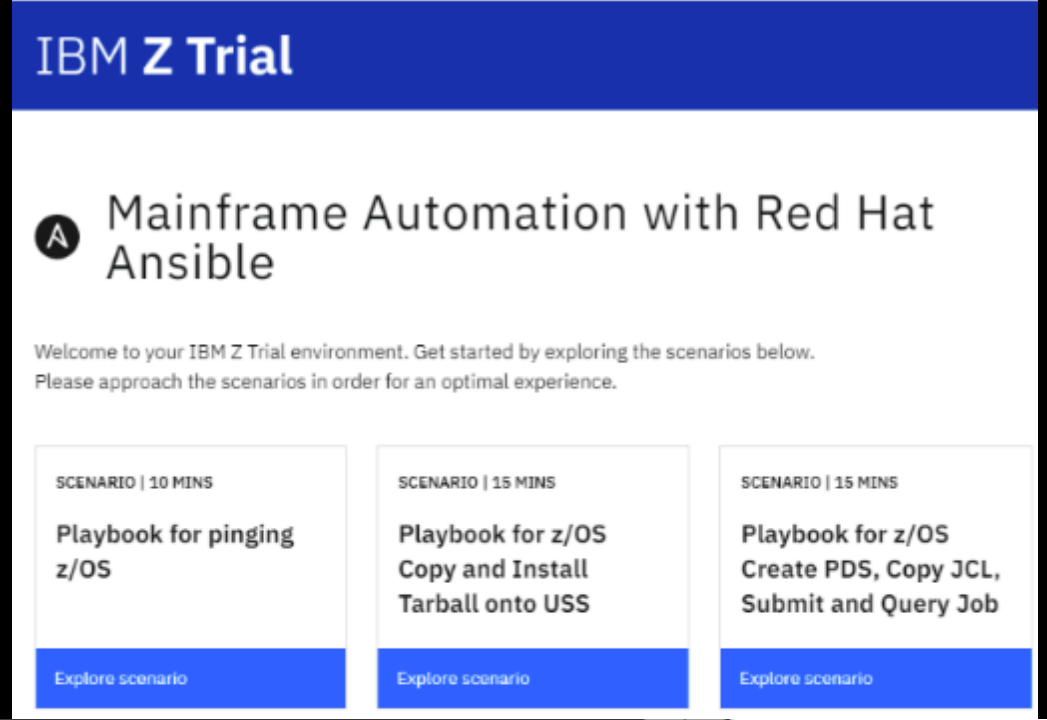
[z/OS User Management with Ansible]

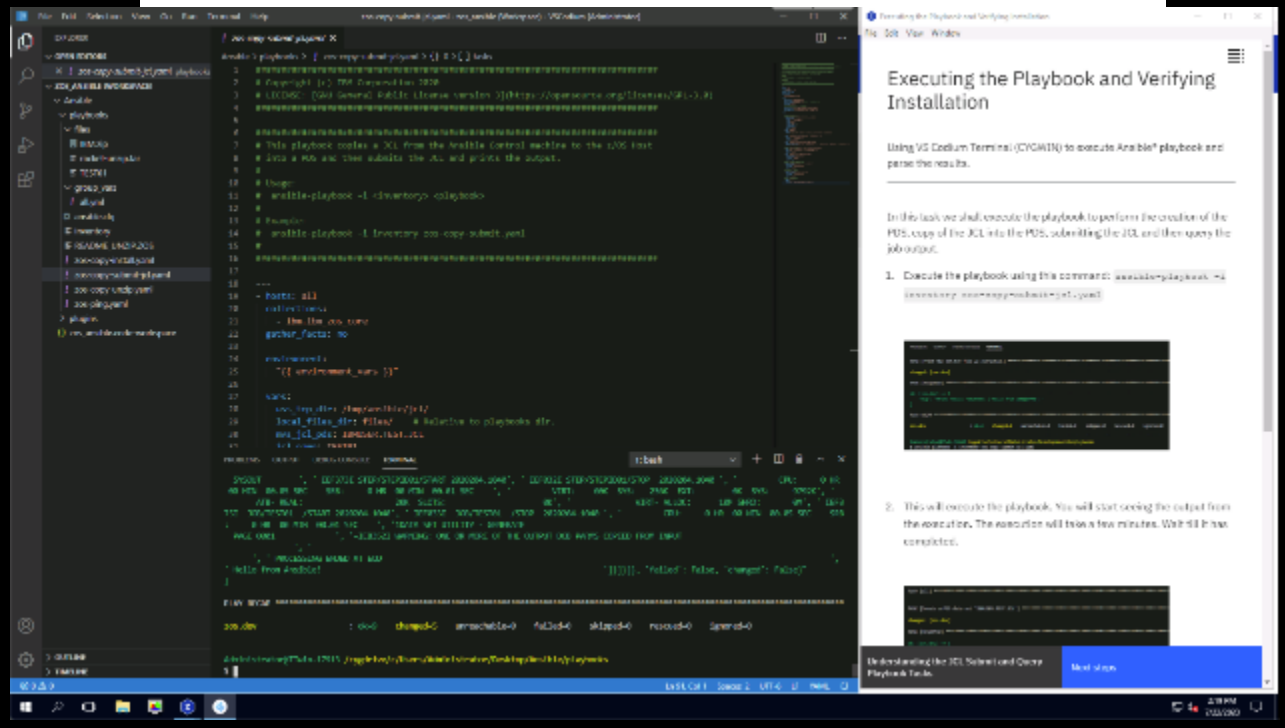


IBM z/OS Automation via Red Hat® Ansible® Z Trial

NEW! **Z Trial** for Ansible is available to try out Ansible for z/OS without any installation for FREE.

Register here





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