

Zero to DevOps

Vishnubabu S

Agenda

Session objectives:

Define DevOps

What is Continuous Delivery

Demo – A Quick Start

Session takeaways:

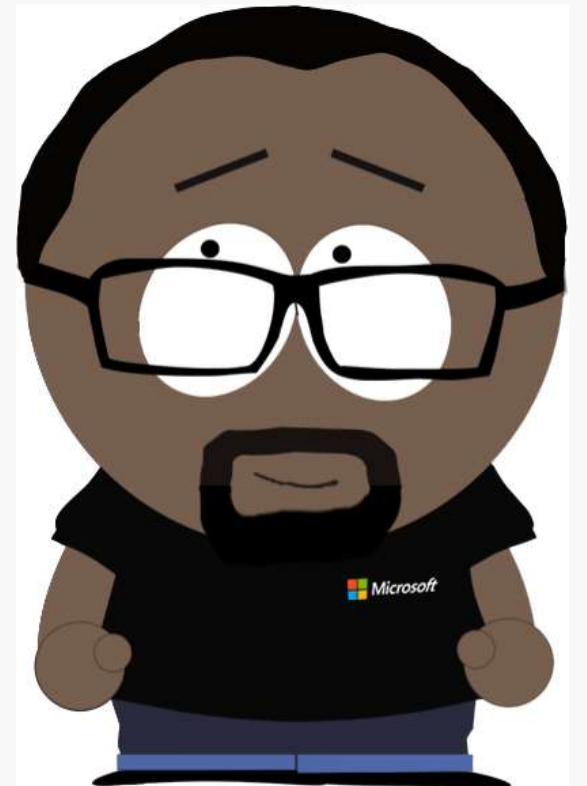
Microsoft provides a full DevOps solution

Microsoft supports any language targeting any platform

“DevOps is the union of people, process, and products to enable continuous delivery of value to our end users.”

- Donovan Brown

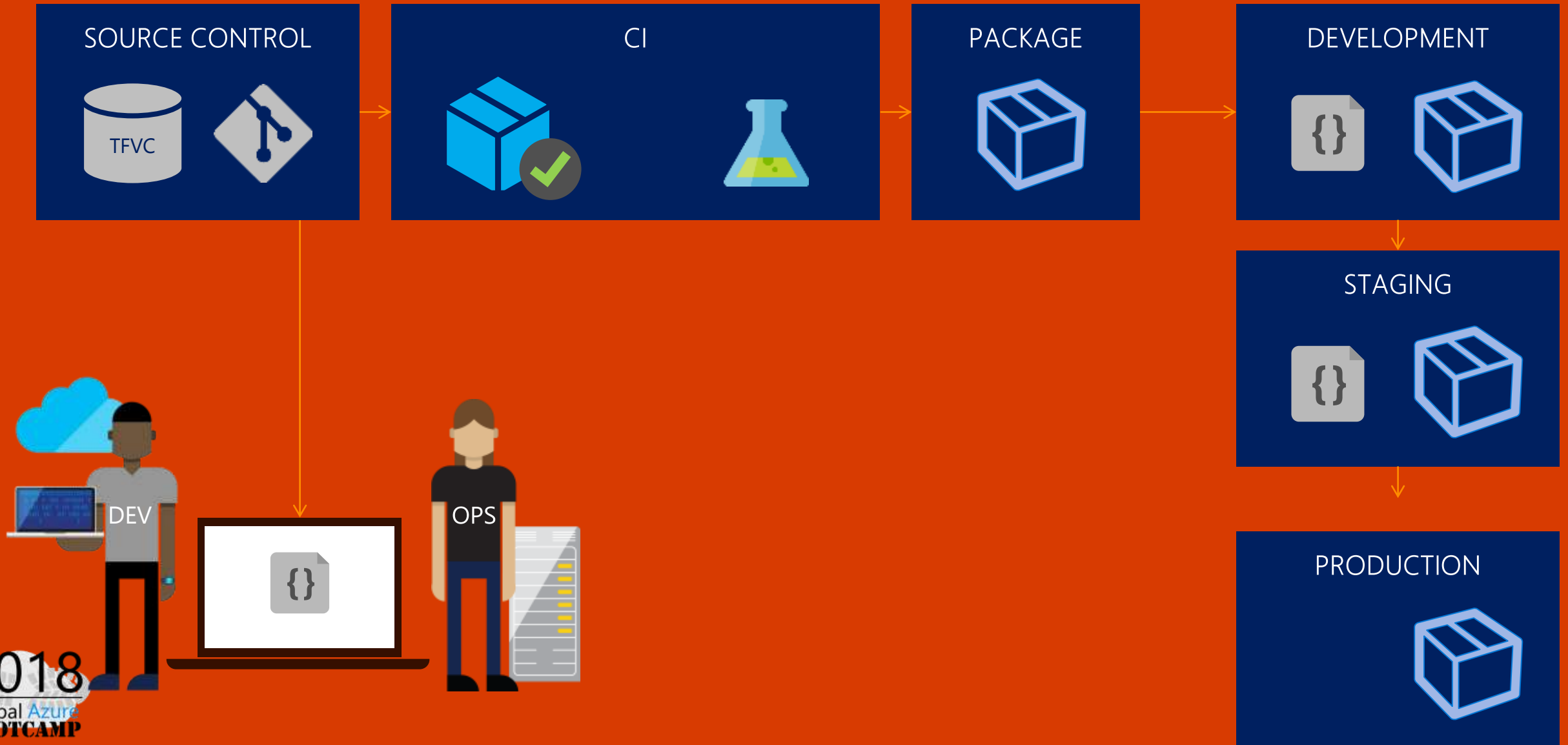
<http://bit.ly/WhatIs-DevOps>



Why is DevOps important

- Your competition is already doing this
- Increase velocity
- Reduce downtime
- Reduce human error

Continuous Delivery



Where to start ?

- Azure Portal
- VSTS Portal
- Visual Studio 2017 IDE
- AZ CLI
- PowerShell
- Others..



Demo

Getting started made easy:
Azure DevOps Project



Key benefits of DevOps Project

- Get up and running with a new app and a full DevOps pipeline in just a few minutes
- Support for a wide range of popular frameworks such as .NET, Java, PHP, Node, and Python
- Start fresh or bring your own application from Github
- Built-in Application Insights integration for instant analytics and actionable insights
- Cloud-powered CI/CD using Visual Studio Team Services (VSTS)

What Next

- Customize your build and release pipeline – ex. add a test environment to your pipeline to validate before going to production
- Grow up with database deployment support
- Use pull requests to manage your code-flow & keep your quality high
- Track your projects backlog and issues right along with your application

What makes up a “DevOps” pipeline

Streamlining the development

Frequently releasing value to users

Constantly maintaining quality

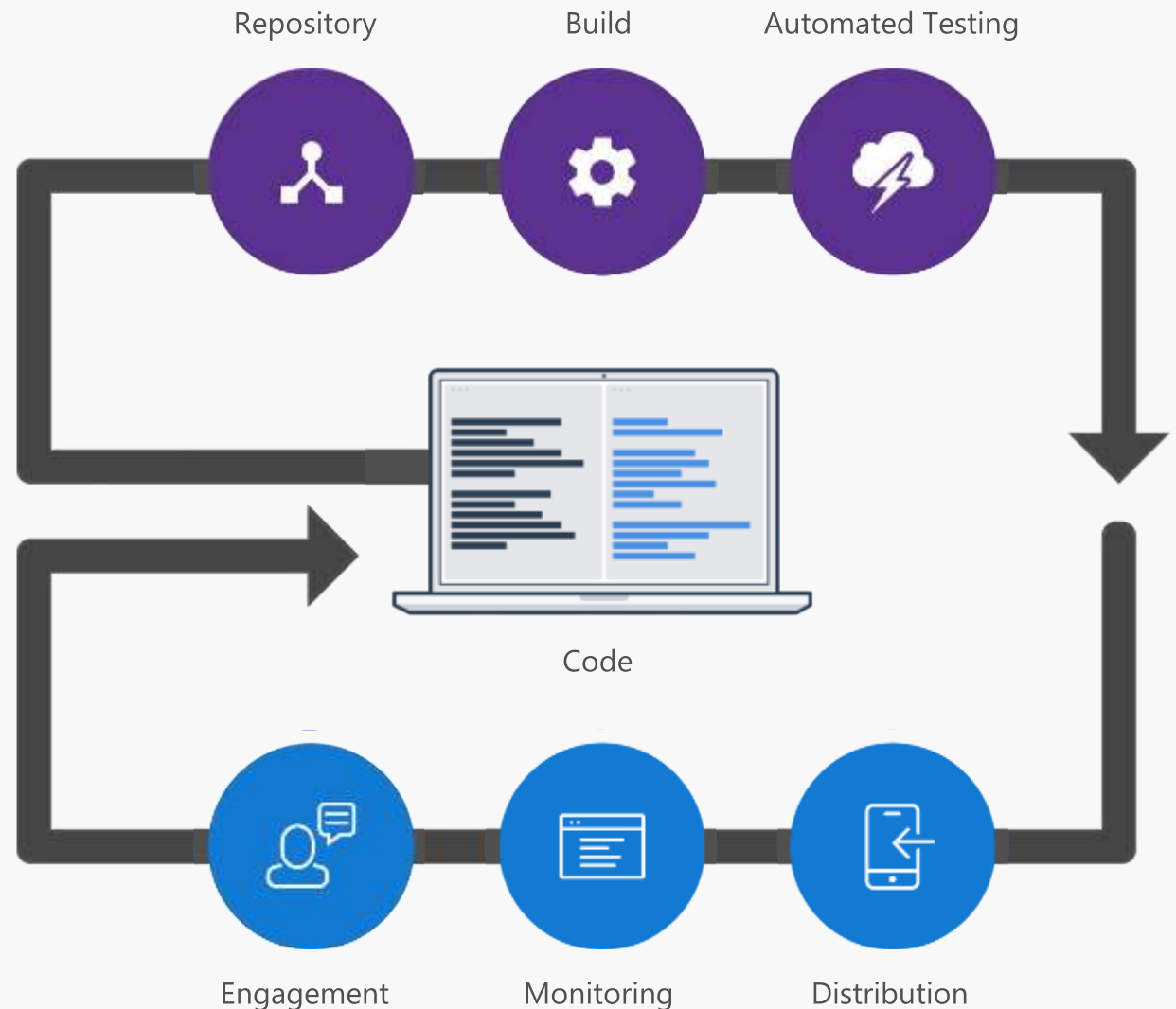
Monitoring app health and engagement in real-time

Automating the process to be repeatable & sustainable

Continuous Integration (CI)

Continuous Delivery (CD)

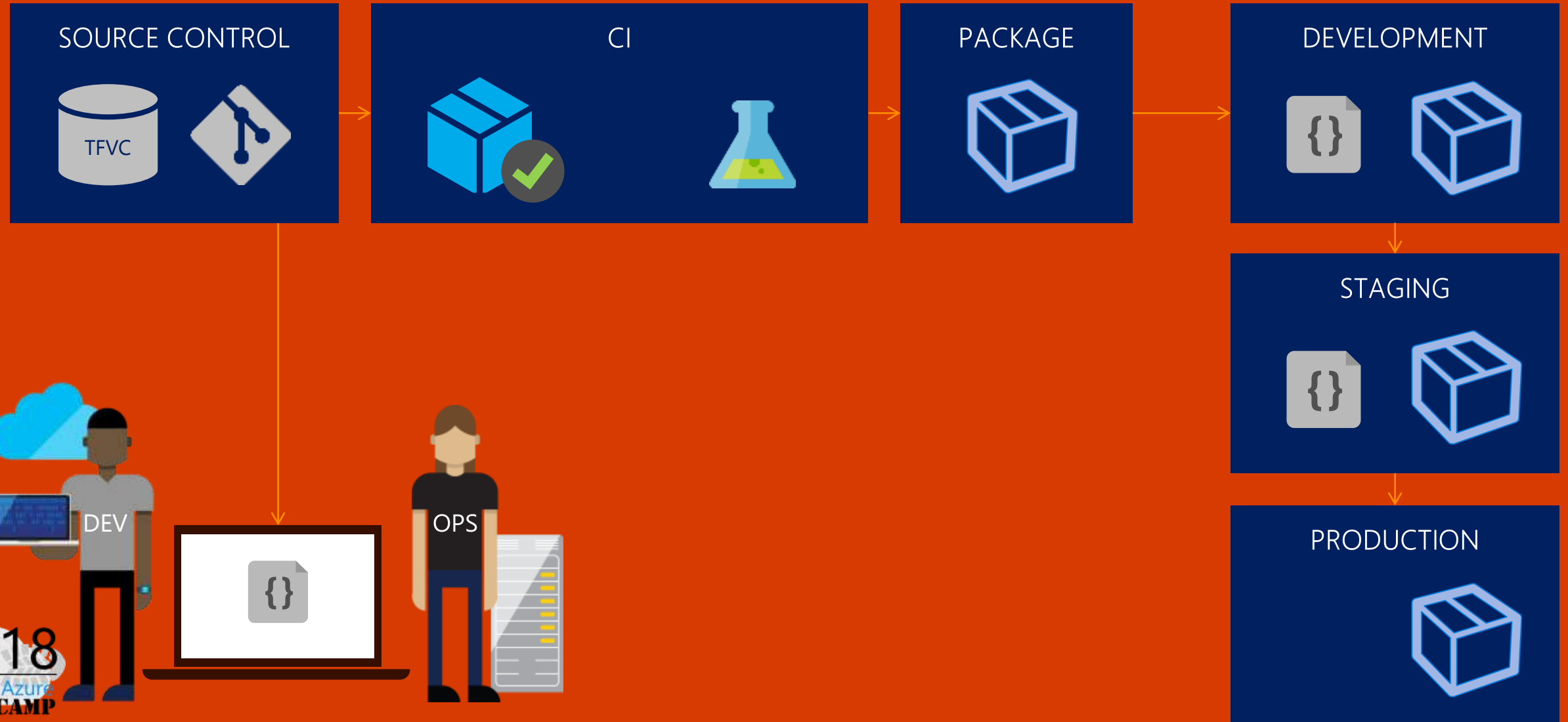
Continuous Monitoring (CM)



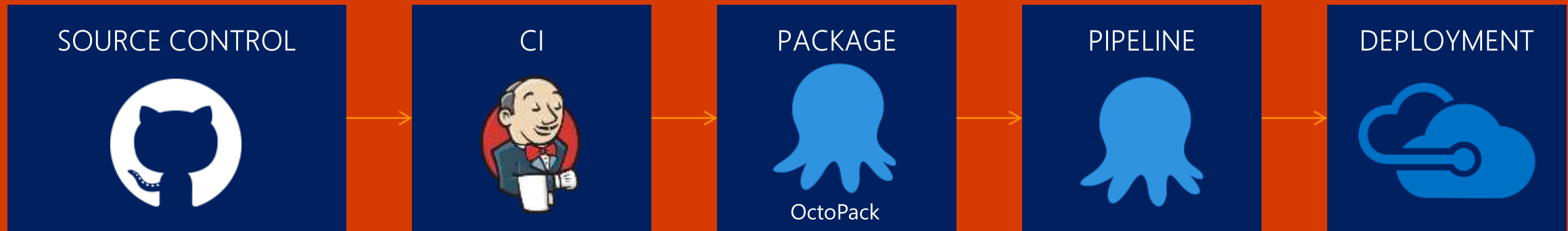
Continuous Delivery with VSTS

- Any app, any developer, any platform
- Best DevOps offering for targeting Azure
- Enterprise class – grows with customer
- Fully integrated with OSS, Jenkins, GitHub etc
- Lowers the barriers to entry

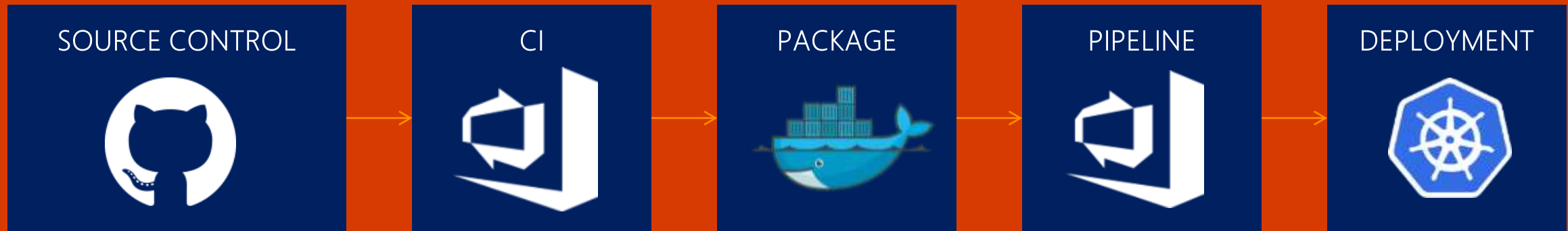
Continuous Delivery



Continuous Delivery



Continuous Delivery



Continuous Delivery



Review

Session objectives:

What is Continuous Delivery and how to do it for Azure
Quick start with Azure DevOps project

Session takeaways:

VSTS provides best Azure DevOps Solution
Microsoft supports any language targeting any platform

Actions

Try out [DevOps Projects](#)

Use DevOps tools to position Azure as a developer-friendly platform

Q&A

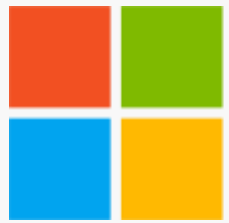
Session resources

- DevOps at Microsoft aka.ms/devops
- Theory and implementation of DevOps aka.ms/whatisdevops
- DevOps Self-Assessment aka.ms/devopsassessment
- Quick starts <https://docs.microsoft.com/en-us/vsts/build-release/index?view=vsts>

GAB 2018 Agenda

Start Time	End Time	Web/Mobile	Speaker	Open Source	Speaker	ITPRO	Speaker	DATA/Analytics/AI/OT	Speaker	Cloud Security	Speaker
8.30 AM	9.00 AM	Registration									
9.00 AM	9.20 AM	Opening Note by ABB - Wilhelm Wiese									
9.20 AM	9.50 AM	Keynote by ABB - Akilur Rahman CTO, ABB India									
10.00 AM	10.50 AM	A picture is worth a thousand Tag's - AI with Computer Vision	Vic Parmar	Open Tools for Azure Development	Swaminathan Vetri	Design & Secure Your Cloud Infrastructure	Sarvesh Goel	AI for Medical rehabilitation	Praveen Srivatsa	360 Degree View of Azure Cloud Cost	Veer Bahadur
10.50 AM	11.00 AM	Break									
11.00 AM	11.50 AM	Devops on Azure	Microsoft ALM Team /Vishnu Xpirit	Docker Deep Dive	Jeeva	SCCM with Azure PaaS services (CDP and CMG) - Troubleshooting Tips	Sudheesh Narayanaswamy	Azure ML/Cognitive Services Deep dive	Mahesh, MSFT	Securing the IoT World	Nandan Rao
12.00 PM	12.50 PM	Demystifying the APIs in Cosmos DB	Mohit Chhabra/Swami	Windows Containers	Hemanth Bidare	Azure Automation with PowerShell	Deepak Dharmi	Datacenter Transformation	Wriju Ghosh, MSFT	Develop workflows using visual studio 2015 and deploy to SharePoint online	Bijaya Kumar Sahoo / Chendrayan
1.00 PM	2.00 PM	Lunch Break									
2.00 PM	2.50 PM	Go Mobile with Xamarin and Azure	Nish Anil	Designing a Serverless Platform using Kubernetes	Ajaya Agarawal, Qubole	Modern Management with Intune – Migrate the Group Policy to CSP	Vimal Das / Anoop	Intelligent Edge/Cloud	Ilyas	Build intelligent azure bot using QnA Maker & Luis integrate with SharePoint Online	Manoj Mittal
3.00 PM	3.50 PM	Microservices are easy with Azure Service Fabric	Anand	Logging, Security and Analytics on Azure with Elastic Stack	Aravind Putrevu	Azure Backup and Restore Best Practices	Adil Arif	Big Data with HDInsight on Azure	Deepthi	Secure provisioning, secure communication and certificate management for IoT devices	Sreekanth KS
3.50 PM	4.00 PM	Break									
4.00 PM	4.50 PM	AI 4 Beginner - Web & Mobile	Murugan Andezuthu Dharmaratnam	New Stack in .Net World(Docker, Kubernetes, Helm, Istio)	Girish Goudar	Windows 10 co management benefits and real-world experience	Rajul /Anoop	Scanning beyond a Data Warehouse, to a Data Lake architecture on Azure, to meet with rising Customer Demands	Amit Kumar, Qubole	Accelerate your digital transformation with SharePoint Online , OneDrive for Business and Microsoft Flow	Vignesh Ganesan
4.50 PM	5.00 PM	Vote of Thanks (In the respective halls by the Track owner)									
5.00 PM	5.15 PM	Giveaways Distribution and Exit									

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Thanks

<https://globaldevopsbootcamp.com>

Wish to meet you again at Global DevOps Bootcamp on 17th June

@Vishnubabu_S

<https://www.linkedin.com/in/vishnubabus>