Beyond BizTalk: The Future of On-Premises Integration

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Today's Webinar

Audience: Familiar with BizTalk or Integration, interested in technology trends

- ▶ Quick tour of some of the key technology concepts shaping Integration
- ▶ Recap on recent announcements from Microsoft
- ▶ Explore what this means for you and the world of Integration

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Your Presenters

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Azure Integration Group

An initiative to share information and best practice on Microsoft Integration, and BizTalk to AIS Migration in particular
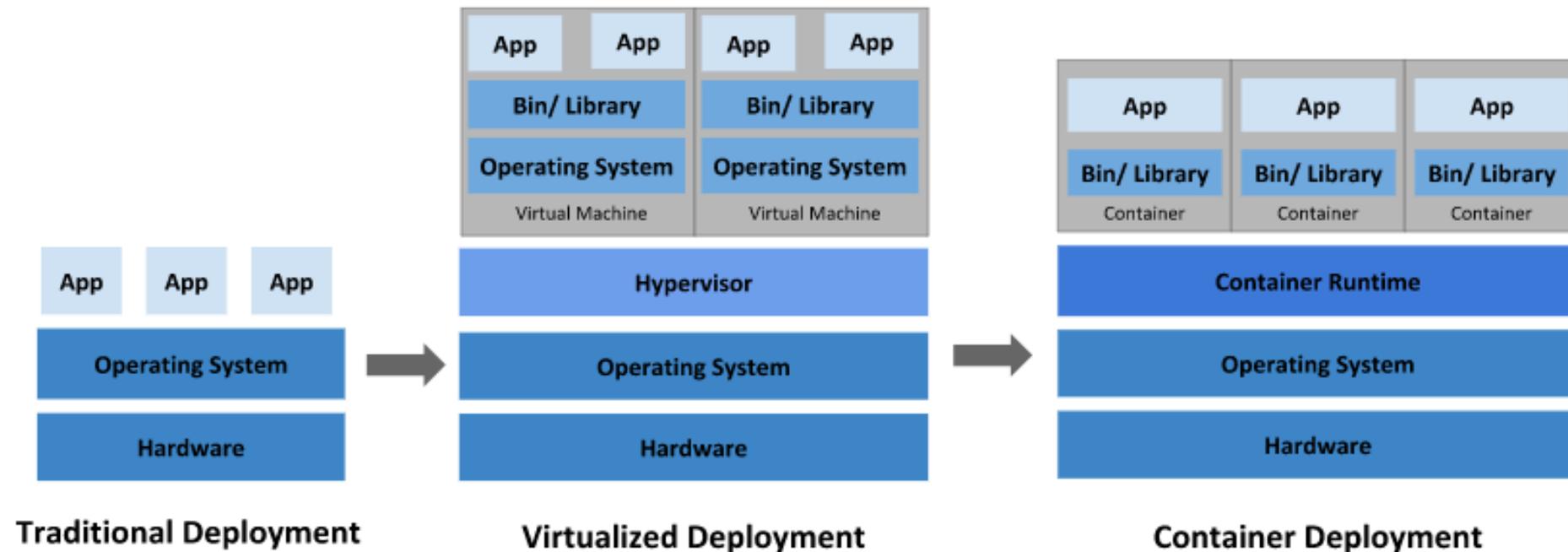
Here to support the community:

- ▶ Technical teams working for BizTalk customers
- ▶ Consultancies supporting BizTalk customers

https://www.azureintegrationgroup.com/

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Basic Concepts

- Containers
  - Decouple applications from underlying host infrastructure
  - A Container Image contains every needed to run an application
- Kubernetes
  - An open-source platform for managing containers

Basic Concepts

- Distributed Application Runtime (dapr)
  - An open-source event-driven runtime for microservices
  - In K8s is loaded as a side-car to support a service running in a container
  - Provides state management and events plus more
- Azure Arc
  - Provides a single operations and control-plane for all resources anywhere
  - Centrally organizes and governs Windows Servers, Linux Servers and K8s Clusters across clouds, data centres and edge

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Context: AIS On-Premises

- Originally was via Azure Stack

- Now Microsoft is embracing Containers

- Containers allow us to package code in a reusable container

- Can deploy containers to any system (cloud or local) that supports them

- Kubernetes (K8s) is a system for orchestrating container deployment and runtime

- Azure Arc (announced at Ignite 2019) is a monitoring/management tool for containers

- From this we can presume that the future of AIS on-prem is…

Containers

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Challenges to solve (regardless)

- ▶ Development
- ▶ Testing
- ▶ Deployment
- ▶ Runtime
- ▶ Support and Maintenance/Ops

Recent Announcements (2020)

- Logic Apps on Azure Functions Runtime
  - Preview announced that uses VS Code and allows you to run Logic Apps locally or in a Docker container
- Logic Apps on Dapr
  - Logic Apps is just another application framework integrated with Dapr
  - Can use gRPC with Logic Apps on Dapr
- BizTalk Migrator

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Logic Apps – Improvements??

Which aspects of Logic Apps could / should be improved?

▶ Design-time experience

▶ DevOps and application packaging

▶ Testing

▶ Performance / speed

▶ Pricing model

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Logic Apps on Azure Functions Runtime

- What is the Azure Functions Runtime?
- What's significant about it?
  - Compiled code
  - Increased performance
  - Option of stateful or stateless
- What does this mean for Logic Apps?
  - Can write and debug locally
  - Can deploy locally
- How do we deploy?
  - Containers, containers, containers

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Logic Apps on DAPR

Why use Dapr for Logic Apps?

▶ Nothing officially known here – we must speculate!

▶ State management?

What does this mean for Logic Apps?

- ► Greatly improved developer experience
- ► Compiled vs Interpreted
- ► Better performance
- ► Inline C# support?

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What about the rest of the AIS stack

As you know, AIS is:

- ▶ Logic Apps
- ▶ Service Bus
- ▶ Event Grid
- ▶ Azure Functions
- ▶ Integration Accounts

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Timescales

- Logic Apps V2
- BizTalk Migrator

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What does this mean for BizTalk apps?

▶ BizTalk has been Microsoft's staple integration technology for 20 years

▶ Direction of travel – is there any future for BizTalk?

▶ What should you do?

　▶ Migrate, of course!

　▶ When?

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Q&A

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Next Webinar

To be announced soon...

September 2020, Date TBA

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Get in touch

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