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Azure Kubernetes Workshop 2022

INTRODUCTION

The purpose of this document is to provide an overview of Azure Kubernetes (4) hour session, to advance TEKsystems clients in their *'Approach and Strategy'* for cloud containerization.

Client Participants

TEKsystems Global Services has partnered with Microsoft in order to provide an industry leading workshop to better serve TEKsystems' clients when looking at Azure Cloud Enablement and Transformation utilizing Containers.

Preparation

In order to maximize the value of this AKS workshop, clients are requested to review the proposed agenda and highlight their main value stream focus areas.

The TEKsystems Team

TEKsystems Global Services Cloud Practice Architects will lead this (4) hour briefing. Each member of the TEKsystems team has over 20+ years of industry experience and is certified in cloud assessment, architectural design, migration & delivery.

Agenda

The (4) hour workshop will be focused on your strategy and best practices for Azure Kubernetes containerization.

Clients will take away a high-level understanding that identifies

① **The future state of Azure Kubernetes and how to accurately plan for this modernization**

② **Best Practices - AKS automated deployments**

③ **Recommended next steps to advance Azure Kubernetes in your organization**

AKS HOSTING	ASSESS & PLAN	HIGH AVAILABILITY	MIGRATION	DEVSECOPS
Architecture Factors	**Architecture Patterns**	**Disaster Recovery**	**AKS Candidates**	**Automation for Operations**
• Tenant Isolation	• Ingress: Cloud External vs. Cloud Internal	• Cloud Automation	• Playbooks to identify container workloads	
• Workload Isolation	• Egress: North/South vs East/West flows	• Azure Load Balancers	• MVP Candidates	• DevOps IAC:
• External Integration	• API Gateway	• Clustered Containers	• Transition to the Cloud	• Pipeline
• Identify Security Controls & Compliance	• Firewalls	• IT Operations	• Knowledge Transfer and Sustainment	• Tooling
• Application / Infrastructure Risks & Constraints Prioritization	• TCO/ROI	• Observability	• PMO Alignment and Management	• Monitoring
	• Roadmap Alignment	• Reporting		• Configuration
				• DevOps Operations Runbooks
				• Post Migration Support and Application Handoff

▲ **Azure**

Microsoft & TEKsystems have partnered to provide this AKS Briefing. Please contact Microsoft Alliance Manager Sarah Garrett or Mike Grossman for workshop scheduling requirements & agenda needs.

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