



Getting Started with Azure Container Service (AKS)

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Agenda

- Overview of managed Kubernetes on ACS (AKS)
- Configuring a cluster
- Architecture overview
- Demos
- Summary

Azure Container Service (Before)

- Orchestrate container applications using popular open source tooling
- Choose your orchestrator:
 - Kubernetes
 - Docker
 - Mesosphere DC/OS
- Migrate container workloads to and from Azure
- Full support from Microsoft / Docker / Mesosphere
- Leverage Azure Platform capabilities
 - VM Scale Sets
 - Networking
 - Security

ACS with Managed Kubernetes

- Container hosting solution optimized for Azure
- Azure-hosted control plane
- Only pay for resource consumption
- Automated upgrades, self-healing, easy scaling
- Ease Kubernetes management with open source upstream portability
- Deploy alternative orchestrators (Docker, Mesos DC/OS)

ACS with Managed Kubernetes

- Fully managed Kubernetes control plane:
 - No VMs to operate
 - No patching required
- Provisioned in a few minutes
- SLA-available service (99.95%)
- Transparently scales with cluster size:
 - 1, 50, 100, 250, 500, etc.
- Upstream Kubernetes
- Free (no charge for control plane)

AKS Features

- Automated Kubernetes upgrades
- Self-healing Control Plane
- etcd SSD backed, automated, H/A, backup/restore
- Customized networking (Azure VNETs, CNI)
- Cluster scaling
- TLS everywhere. Backed by Azure KeyVault
- RBAC and Azure AD integrated
- Hybrid Clusters (futures)

Demo

Exploring AKS



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Title - Deploying Containerized Applications with Kubeapps

Kubeapps is a Kubernetes dashboard that supercharges your Kubernetes cluster with simple browse and click deployment of apps in any format. Building on Bitnami's contributions to leading open source projects, Kubeapps provides a complete application delivery environment that empowers users to launch, review and share applications.

- Overview of Kubeapps
- Exploring the dashboard
- Deploying and managing containerized applications on Kubeapps

Speaker - Sebastien Goasguen, Kubernetes Lead, Bitnami

When - January 10th, 9AM PDT | 10:30 PM IST

Thank You!

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