

Container Modernization: 4-Week Jumpstart

Build, Deploy, and Scale Applications Faster with a
Fully Managed Containers Solution on the Azure Cloud

**Microsoft
Funding
Available**

Neudesic's Container Modernization

Jumpstart is a four-week engagement that enables organizations to accelerate their java modernization journey. We provide you with a proof-of-value implementation leveraging your choice of Azure Kubernetes Service (AKS) or Azure Red Hat OpenShift (ARO) to help your organization deliver higher-quality applications with reduced development cycles and optimized IT costs.



Up to 70% Reduction in Development Time

With integrated tools and CI/CD pipelines to help modernize development approaches and streamline application development and deployment



50% Increase in Operational Efficiency

By reducing costly downtime and maintaining reliability with managed upgrades, patching, and threat monitoring & remediation



20% Reduction in Infrastructure Maintenance

By offloading the management of their environment to Microsoft & RedHat, allowing developers to focus on supporting application development

Our Delivery Process



Discover

Understand your organization's IT infrastructure and modernization objectives and provide an overview of AKS and ARO



Assess

Analyze the current state of your organization's IT infrastructure including architecture, security, and policies and provide pilot implementation plan



Proof-of-Value

Set up an Azure environment and configure either AKS or ARO to meet your organization's unique needs



Executive Summary

Provide overview presentation with customized roadmap for final implementation and best practices to operate AKS or ARO

Azure Kubernetes Service

Managed Kubernetes on Azure provides organizations with an enterprise-grade toolset from development to platform. Leveraging AKS, developers can accelerate containerized applications using a suite of end-to-end tools including GitHub and Visual Studio Code. The Azure Kubernetes Services platform provides built-in best practices including industry-leading security services.

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| <p>Built-in best practices</p> <p>Proactive, actionable recommendations and support from experts based on knowledge from 1,000s of enterprise engagements</p> | <p>Multi-layered security</p> <p>Hardened security and layers if isolation across compute resources, data, and networking</p> | <p>Operational efficiency</p> <p>Automated provisioning, repair, monitoring, and scaling quickly gets your organization up and running and minimizes infrastructure maintenance</p> | <p>Unified management</p> <p>Consistent configuration and governance across on premises, multi cloud, multi-cluster, hybrid, and edge</p> |
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| Responsibilities | Containerization | Application iteration, debugging | CI/CD | Provisioning, upgrades, patches | Reliability availability | Scaling | Monitoring and logging |
|-----------------------------|------------------|----------------------------------|-----------|---------------------------------|--------------------------|-----------|------------------------|
| DIY with Kubernetes | Customer | Customer | Customer | Customer | Customer | Customer | Customer |
| Manages Kubernetes on Azure | Microsoft | Microsoft | Microsoft | Microsoft | Microsoft | Microsoft | Microsoft |

Customer Microsoft

Azure Red Hat OpenShift

Azure Red Hat OpenShift helps organizations reduce operational overhead and focus on quickly delivering applications that provide more value to their business, while supporting regulatory compliance. ARO combines everything you need to run containers in production environments with Kubernetes—and integrates that across databases, application services, and CI/CD tools.

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| <p>Enterprise-grade operations, security and compliance</p> <p>Industry-leading SLA of 99.95 percent availability, with PCI DSS, ISO 27001, HITRUST, SOC 2 Type II, and FedRAMP</p> | <p>Empowering developers to innovate with:</p> <p>Built-in CI/CD pipelines with easy integration with 100s of Azure services including MySQL, PostgreSQL, Redis, Cosmos DB, and more</p> | <p>Scale on your teams</p> <p>Choice of standard, high-memory, or high-CPU application nodes, with payment directly from your Azure subscription</p> |
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| Responsibilities | User management | Project and quota management | Application lifecycle | Cluster creation | Cluster management | Monitoring and logging | Network configuration | Software and security updates | Platform support |
|---|-----------------|------------------------------|-----------------------|---------------------|---------------------|------------------------|-----------------------|-------------------------------|---------------------|
| OpenShift Container Platform on Virtual Machines | Customer | Customer | Customer | Customer | Customer | Customer | Customer | Customer | Microsoft & Red Hat |
| Fully-managed clusters with Azure Red Hat OpenShift | Customer | Customer | Customer | Microsoft & Red Hat | Microsoft & Red Hat | Microsoft & Red Hat | Microsoft & Red Hat | Microsoft & Red Hat | Microsoft & Red Hat |

Customer Microsoft & Red Hat

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