Microsoft

Maximize Azure Container Apps for Seamless Deployment and Execution

Overcome technology gaps with Java on Azure Container Apps



Source to Cloud



Java components



Monitor & Troubleshoot

Java on ACA Roadmap



Build and Deploy Java apps

- Deploy from source, Jar or image
- Consistently build, maintain and update images
- Boost security and reduce risk from CVE

Containers built using Dockerfile are hard to productionize and scale





Build



Deploy app Portal Experience

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Managed Java Components

Discovery

Application configuration

App monitor

API routing

Managed Java Components

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Monitor Java Apps

Providing Java Metrics and Logs

- Deeper insights into the running status of applications
- Detect/pinpointing specific issues for faster resolution

Enhancing Logs and Metrics for Java Apps

- JVM metrics (memory, GC...)
- Tomcat

Integration with Azure Monitor

• Azure Container Apps is natively integrated with Azure Monitor

Monitor



Monitor



Diagnostics

- Challenges in Mission Critical Java Applications:
 - Availability and performance issues are common.
 - Diagnosing root causes consumes significant time.
 - Reproducing problems in production environments is challenging.
- Impact on Business:
 - Livesite issues that may impact business continuity
- Key Error Areas:
 - Memory issues
 - Null pointer exceptions
 - Deadlocks
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Diagnostics

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Analyze Java dump in Java Mission Control

Z Automated Analysis Results	🗠 Memory								
Java Application									•
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Demo

Owners

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Betty Davis	638 Cardinal Ave.	Sun Prairie	6085551749	Basil	
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Demo

- 1. Create an Azure Container App environment
- 2. Create a managed config service in the Azure Container App environment and connect it to Github
- 3. Create the Petclinic app
- 4. Bind the Petclinic app with managed config service

Azure Cor	ntainer App environment
Managed config service for Spring	← → Petclinic app





- Begin your journey and effortlessly <u>deploy a Java artifact file to</u> <u>Azure Container Apps</u>. (<u>https://aka.ms/ACAJD1</u>)
- We want your feedback! Participate in a survey and automatically enter to win **one of five \$100 sweepstake prizes**.





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