MS Azure Cloud Ready Hackathon: Running cloud-native workloads with Kubernetes

Category: Software Development & Programming | **Vendor:** Microsoft

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

The Cloud Ready Hackathon – Running cloud-native workloads with Kubernetes prepares Engineers across all flavours of cloud-native best practices when it comes to concepts creating and maintaining their infrastructure with Infrastructure as a Code approach, as well as setting up monitoring and alerting solutions for their existing Kubernetes workloads which they will later enhance by applying advanced microservices scenarios. The focus is to give Learners a hands-on experience working with Terraform, Prometheus, Graphana, and Kubernetes.

Please note Learners will work in teams of 5 or 6, where they will collaborate throughout the hack, completing a set of gated challenges that will take them on a journey to becoming the stars of today’s modern, cloud-native application world. If you wish to book a dedicated team, the price is £4,300 +vat.

About This Course

- Challenge 1: Coding the infrastructure

- Introduction to Terraform. Creating the infrastructure-as-code scripts for deploying the K8s and other services on Azure.
- Challenge 2: What’s up with my application?

- Implementing monitoring solution leveraging Prometheus and Graphana. Deploying a “dirty” application and monitoring the status of the cluster. Implementing resource limitations for containers. Implementing alerting.
- Challenge 3: Now, let’s mesh it up!

- Introduction of Istio as service mesh platform for Kubernetes. Implementing advanced microservices scenarios (advanced routing, retries with exponential backoff, circuit breaker, health checks, mutual TLS, …). Canary deployment.

Prerequisites & Entry Requirements

General Prerequisites:

Prerequisites:

- Intermediate experience with Kubernetes.
- Intermediate experience with cloud platforms (Azure)
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Frequently Asked Questions

Q: What delivery options are available for MS Azure Cloud Ready Hackathon: Running cloud-native workloads with Kubernetes?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day MS Azure Cloud Ready Hackathon: Running cloud-native workloads with Kubernetes course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the MS Azure Cloud Ready Hackathon: Running cloud-native workloads with Kubernetes training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for MS Azure Cloud Ready Hackathon: Running cloud-native workloads with Kubernetes?

Yes, we provide corporate training, dedicated training, and closed classes for MS Azure Cloud Ready Hackathon: Running cloud-native workloads with Kubernetes. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: MS Azure Cloud Ready Hackathon: Running cloud-native workloads with Kubernetes, Challenged Based Learning Hacks, MSAZRCWK

Q: Why choose Nexus Human for MS Azure Cloud Ready Hackathon: Running cloud-native workloads with Kubernetes?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your MS Azure Cloud Ready Hackathon: Running cloud-native workloads with Kubernetes training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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