# MS Azure Cloud Ready Hackathon: Containers, Kubernetes, CI & CD

**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 – Containers, Kubernetes and CI & CD prepare Engineers across all flavours of cloud-native development, deployment, and orchestration of containers and integrate it all into standard DevOps processes. The focus is to give Learners a hands-on experience of working with Docker, Kubernetes, and popular DevOps tools such as Azure DevOps, GitHub Actions.

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: Pack it and send it to the dock

- Introduction to containers with Docker. Creating Dockerfile, building images and pushing to Docker registry.
- Challenge 2: Let the orchestration begin!

- Introduction to Kubernetes. Creating the first cluster using Azure Kubernetes Service. Deploying first container images to Kubernetes cluster.
- Challenge 3: Let’s automate the packaging

- Introduction to CI/CD tools. Creating the continuous integration pipeline with unit testing, branch protection, code-quality gates, and creating and pushing container images.

The attendee teams will be able to choose between Azure DevOps Pipelines and GitHub Actions – whichever works for them.

## Prerequisites & Entry Requirements

**General Prerequisites:**

Prerequisites:

- Familiarity with software development practices
- Some experience with Linux/Bash

# Frequently Asked Questions

### Q: What delivery options are available for MS Azure Cloud Ready Hackathon: Containers, Kubernetes, CI & CD?

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

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### Q: How many CPD hours does this course provide?

The 2-day MS Azure Cloud Ready Hackathon: Containers, Kubernetes, CI & CD course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

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### Q: What is the duration of the MS Azure Cloud Ready Hackathon: Containers, Kubernetes, CI & CD training?

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

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### Q: Do you provide corporate training for MS Azure Cloud Ready Hackathon: Containers, Kubernetes, CI & CD?

Yes, we provide corporate training, dedicated training, and closed classes for MS Azure Cloud Ready Hackathon: Containers, Kubernetes, CI & CD. 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.

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### Q: What related terms do people search for?

Popular related searches include: MS Azure Cloud Ready Hackathon: Containers, Kubernetes, CI & CD, Challenged Based Learning Hacks, MSAZCKCICD

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### Q: Why choose Nexus Human for MS Azure Cloud Ready Hackathon: Containers, Kubernetes, CI & CD?

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

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### Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your MS Azure Cloud Ready Hackathon: Containers, Kubernetes, CI & CD training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.


## Nexus Human

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