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Tutorial 4: Docker Compose and Docker Swarm

Tasks

In this tutorial, you will:
* Answer the questions below to enhance the understanding of Lecture 5.

Question Set

Q1. What are Microservices?

Q2. What is Docker Compose?

Q3. What is the fundamental role of the Raft consensus algorithm in a Docker Swarm cluster?

Q4. How does Docker Swarm handle the failure of a leader manager node?

Q5. Why does Docker Swarm recommend an odd number of manager nodes, and how does this relate to fault tolerance?

Q6. Discuss the benefits of Docker Compose.

Q7. Discuss the key features of Docker Swarm.