




# Cloud computing

## Service mesh and microservices networking






[Swarmlab](#) is holding its first **interactive participatory online lab course** and invites **you** to join!!!






In this program, you will start your journey by learning:

-  how DevOps is influencing software delivery
-  how cloud computing enabled organizations to rapidly build and deploy products, new features and expand capacity
-  how the open container ecosystem, with Docker, is truly revolutionizing software delivery





You will:

-  learn about Cloud Native Computing
-  understand and start using DevOps practices and tools
-  work with REST APIs and JSON

You will also learn about:

-  Continuous Integration and Continuous Delivery (CI/CD)
-  what a deployment pipeline looks like
-  how to build software for it
-  how to manage third party integrations/plugins
-  how to scale and secure cluster





Additionally we will:

-  Describe Cloud Native and DevOps concepts and methodologies
-  Understand how containers and docker swarm drive cloud native
-  Application development
-  Build and Deploy Services using DevOps tools

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-  Create a Node.js application on Cloud
-  Utilize REST APIs in your app to store and retrieve data in a NoSQL Cloudant Database
-  Create a Git repository to manage your source code
-  Describe the characteristics of REST APIs

You can learn more about it [here](http://docs.swarmlab.io/SwarmLab-HowTos/courses/main.adoc.html) (http://docs.swarmlab.io/SwarmLab-HowTos/courses/main.adoc.html)