

# Cloud Native Application Habits



---

In a nutshell, cloud native is the combination of multiple modern and agile methodologies, including, microservices, serverless, SaaS, PaaS, CI/CD, and DevOps practices.

Here are the lists of the habits of a Cloud Native Application:

---

# **1 Cloud Modernization**

- ▶ Fundamentally, it consists of the adoption of the 12-factor methodology, which is a methodology to build modern, scalable, and resilient SaaS applications for any programming language.
- ▶ Some of the components are dependency isolation, portability, CI/CD, source control versioning, parity or environment parity, and more bits.

## **2 Cloud – API**

- ▶ Essentially Cloud API has the ability to communicate across different cloud environments utilizing the same API protocol in order to share information and data coming from the customer or going to the customer, like Open banking, which its core premise is to incorporate secure API across different financial service providers.

### **3 Cloud Native**

- ▶ In brief, is the adoption of microservices, light, and portable containers, loosely coupled architectures with Docker and how to manage microservices and containers. In this case, would be Kubernetes, AWS ECS, or even Fargate.
- ▶ Alternatively, you could adopt the serverless ecosystem, which is the highest abstraction level in the Cloud.

## **4 Cloud DevOps**

- Fundamentally, you need to automate any repetitive tasks, utilizing Infrastructure as Code, this infrastructure business logic needs to live in the source control version system like Git or Bitbucket.

- Now that you know the 4 habits of a cloud native application, it is time to adopt them!

