

**SOCIALIZE**  
**VOCABULARY ABOUT**  
**THE READING: "WHAT IS**  
**CLOUD-NATIVE? "**





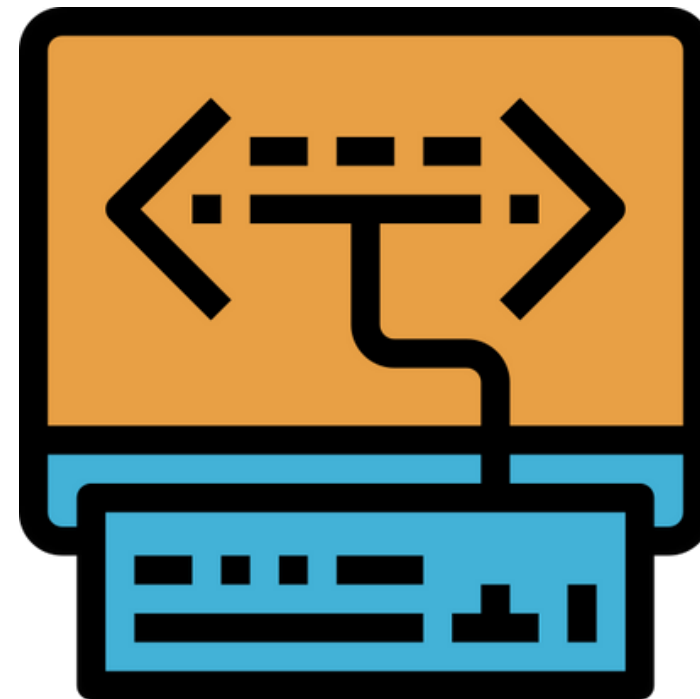
## CLOUD NATIVE:

**AN APPROACH TO BUILDING AND RUNNING SCALABLE APPLICATIONS TO  
TAKE FULL ADVANTAGE OF CLOUD-BASED SERVICES AND DELIVERY  
MODELS.**



## MONOLITHIC APPLICATIONS:

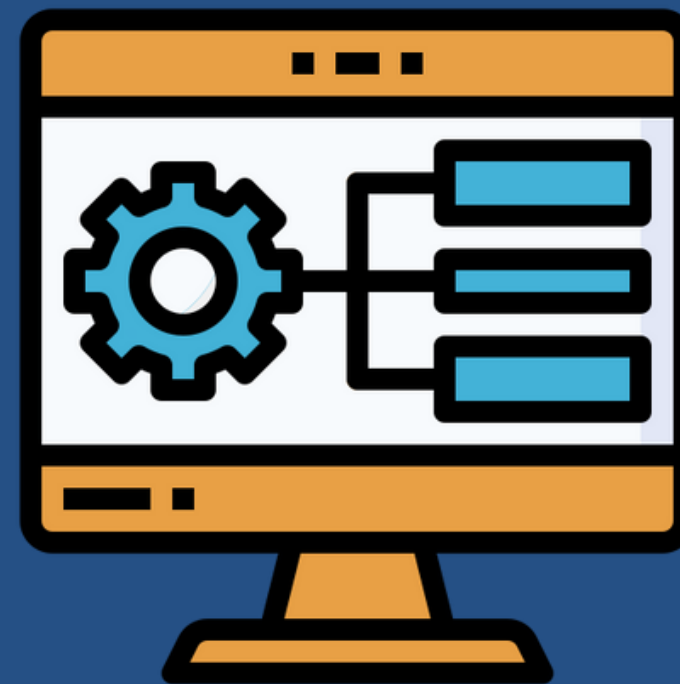
**TRADITIONAL APPLICATIONS THAT FUNCTION AS A SINGLE UNIT, OFTEN WITH CUSTOM-BUILT OPERATION SYSTEMS, MIDDLEWARE, AND LANGUAGE STACKS FOR EACH APPLICATION.**



## MICROSERVICES:

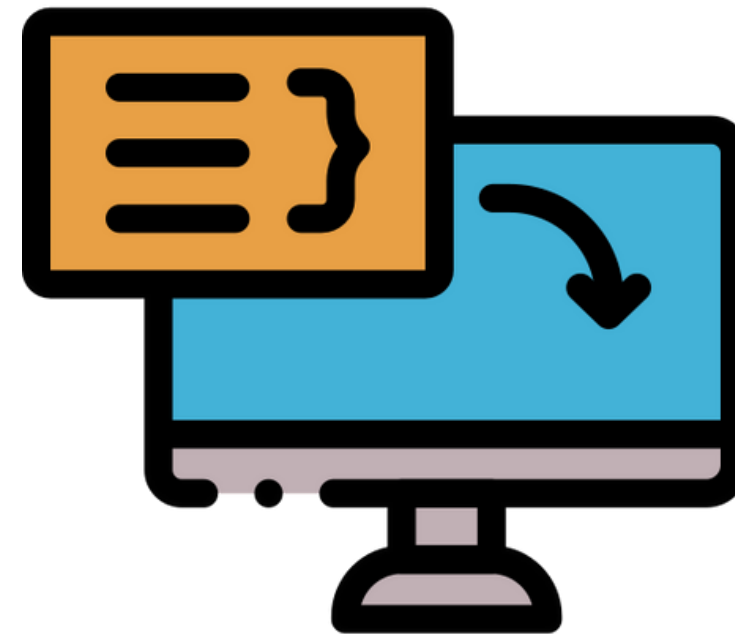


**SELF-CONTAINED SERVICES THAT MAKE UP CLOUD-NATIVE APPLICATIONS,  
ENABLING INDEPENDENT DEPLOYMENT AND SCALING OF COMPONENTS.**



## CONTAINERS:

**LIGHTWEIGHT, EXECUTABLE COMPONENTS THAT CONTAIN ALL THE ELEMENTS NEEDED TO RUN CODE IN ANY ENVIRONMENT, FACILITATING WORKLOAD PORTABILITY.**



DEVOPS:

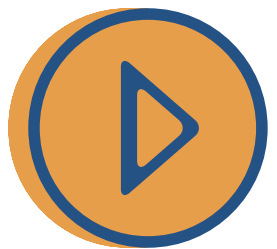


**A METHODOLOGY WHERE DEVELOPERS AND IT OPERATIONS TEAMS  
COLLABORATE TO AUTOMATE INFRASTRUCTURE AND SOFTWARE DELIVERY  
PROCESSES, ENABLING FASTER DEVELOPMENT AND DEPLOYMENT.**





**AUTOMATION OF THE BUILD, TESTING, AND DEPLOYMENT OF APPLICATION  
CHANGES WITHOUT THE NEED FOR DOWNTIME, ENSURING RELIABLE AND  
RAPID SOFTWARE RELEASES.**





## CLOUD-NATIVE CHALLENGES:

**THE OBSTACLES FACED IN IMPLEMENTING  
CLOUD-NATIVE COMPUTING, INCLUDING  
MANAGING DISTRIBUTED SYSTEMS,  
CONTROLLING OPERATIONAL COSTS,  
ACQUIRING NECESSARY TECHNOLOGY  
SKILLS, AND OVERCOMING RESISTANCE TO  
CULTURAL SHIFTS.**

