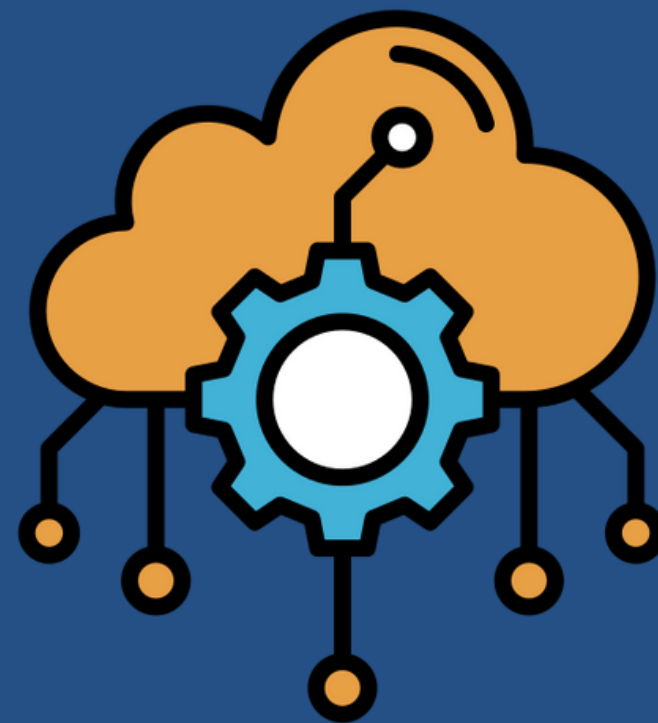


**SOCIALIZE VOCABULARY
ABOUT THE READING
TEXT: “5 CLOUD NATIVE
ARCHITECTURE
PATTERNS FOR 2024”**



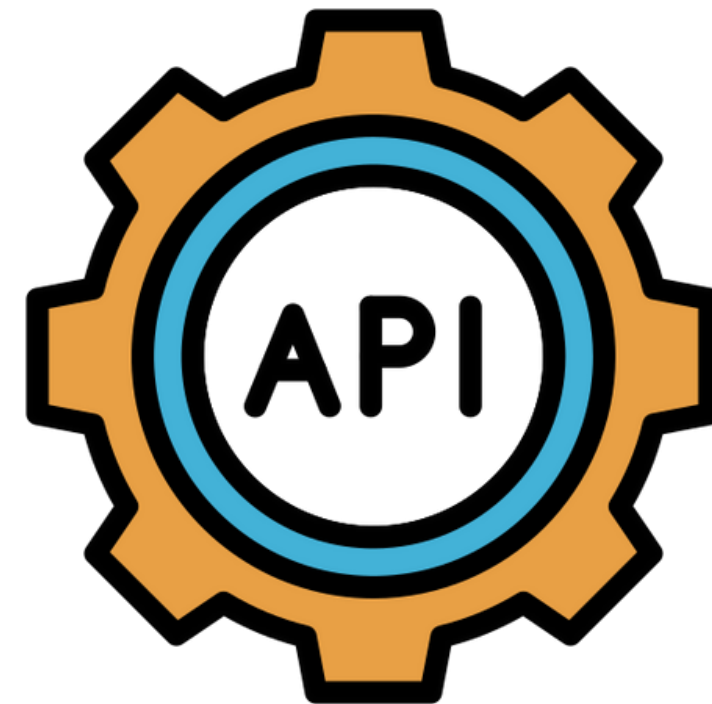
CLOUD NATIVE ARCHITECTURE:

- **ARCHITECTURES DESIGNED FOR DISTRIBUTED ENVIRONMENTS, EMBRACING MICROSERVICES AND CONTAINERIZATION, OFFERING RESILIENCE AND EFFICIENCY.**



SIDECAR/SIDEKICK PATTERN:

A CLOUD NATIVE ARCHITECTURE PATTERN INVOLVING DEPLOYING A SMALL CONTAINER ALONGSIDE THE MAIN APPLICATION CONTAINER TO PROVIDE ESSENTIAL FUNCTIONALITY LIKE LOGGING, MONITORING, SECURITY, OR API GATEWAY.



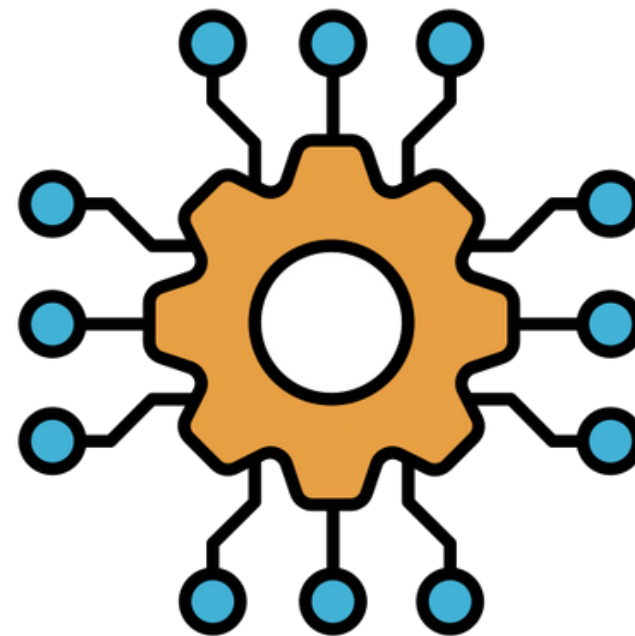
AMBASSADOR PATTERN:

A CLOUD NATIVE ARCHITECTURE PATTERN THAT USES A CONTAINER TO HANDLE EXTERNAL TRAFFIC BEFORE IT REACHES THE MAIN APPLICATION, PERFORMING TASKS LIKE AUTHENTICATION, AUTHORIZATION, RATE LIMITING, AND LOAD BALANCING.



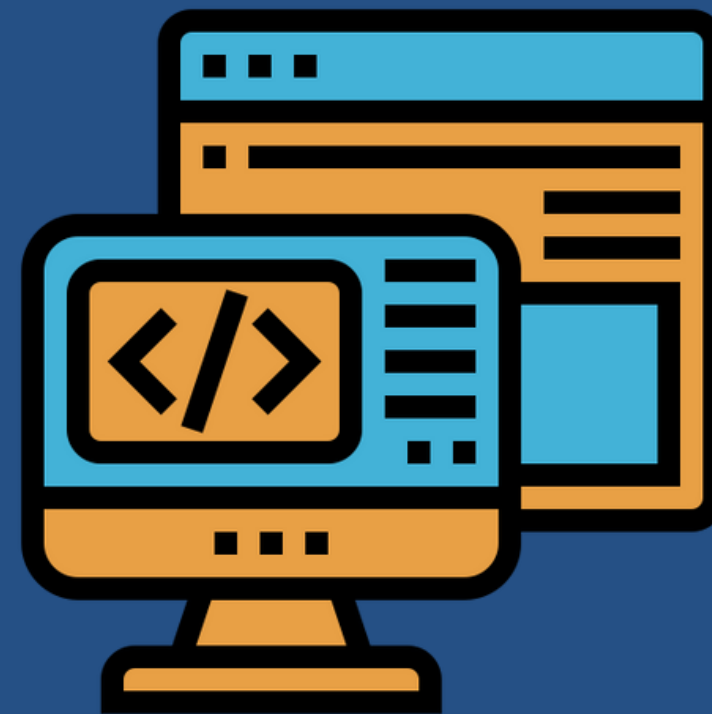
SCATTER/GATHER PATTERN:

A CLOUD NATIVE ARCHITECTURE PATTERN INVOLVING DIVIDING TASKS INTO SMALLER CHUNKS AND DISTRIBUTING THEM AMONG WORKERS FOR PARALLEL EXECUTION, IMPROVING PERFORMANCE, SCALABILITY, AND FAULT TOLERANCE.



BACKEND FOR FRONTENDS (BFF) PATTERN:

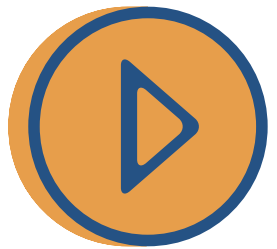
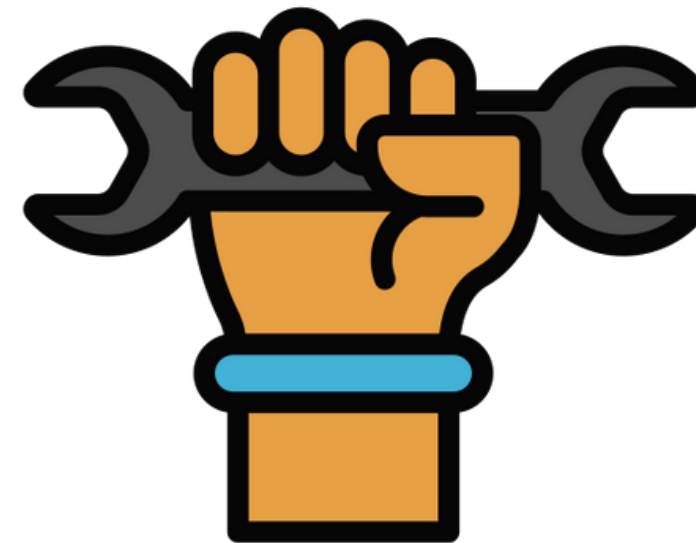
A CLOUD NATIVE ARCHITECTURE PATTERN INTRODUCING A DEDICATED API SERVICE FOR EACH TYPE OF CLIENT APPLICATION TO TAILOR RESPONSES TO SPECIFIC CLIENT NEEDS, OPTIMIZING USER EXPERIENCE AND DECOUPLING MAIN APPLICATIONS FROM CLIENT-SPECIFIC CONCERNS.



CQRS (COMMAND QUERY RESPONSIBILITY SEGREGATION):



A CLOUD NATIVE ARCHITECTURE PATTERN SEPARATING READ AND WRITE OPERATIONS INTO DIFFERENT MODELS AND DATABASES TO IMPROVE SCALABILITY, PERFORMANCE, AND AVAILABILITY, SIMPLIFYING DEVELOPMENT AND MAINTENANCE.



MICROSERVICES:



TIC

**ARCHITECTURAL STYLE BREAKING DOWN
APPLICATIONS INTO SMALLER, SELF-
CONTAINED SERVICES, OFFERING
COMPOSABILITY AND ENABLING
INDEPENDENT DEPLOYMENT AND SCALING.**

