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SOCIALIZE VOCABULARY ABOUT THE READING TEXT: "CLOUD NATIVE: PRINCIPLES, APPLICATIONS, AND CHALLENGES"

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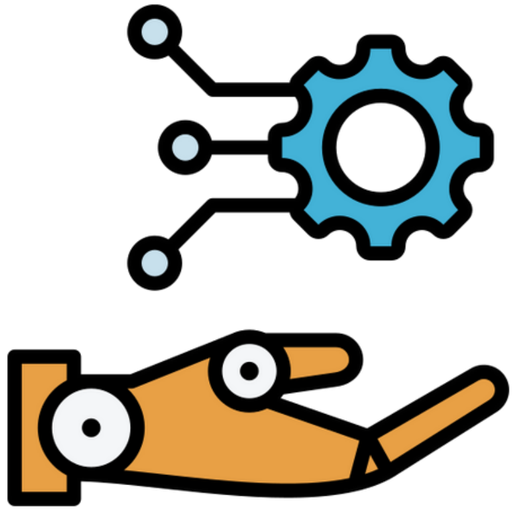
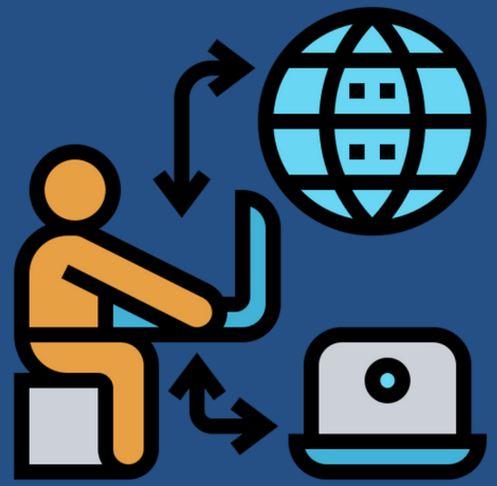
- **CLOUD-NATIVE ARCHITECTURE:**
- **ARCHITECTURES OPTIMIZED FOR THE UNIQUE CAPABILITIES OF THE CLOUD, FOCUSING ON RESILIENCE AND SCALE THROUGH HORIZONTAL SCALING, DISTRIBUTED PROCESSING, AND AUTOMATION.**

DESIGN FOR AUTOMATION:
THE PRACTICE OF AUTOMATING INFRASTRUCTURE CREATION, CONTINUOUS INTEGRATION/DELIVERY, SCALING, AND MONITORING AND RECOVERY PROCESSES TO IMPROVE SYSTEM RESILIENCE AND PERFORMANCE.



STATELESSNESS:

DESIGNING COMPONENTS TO BE STATELESS WHEREVER POSSIBLE, ENABLING EASIER SCALABILITY, REPAIR, ROLLBACK, AND LOAD BALANCING.



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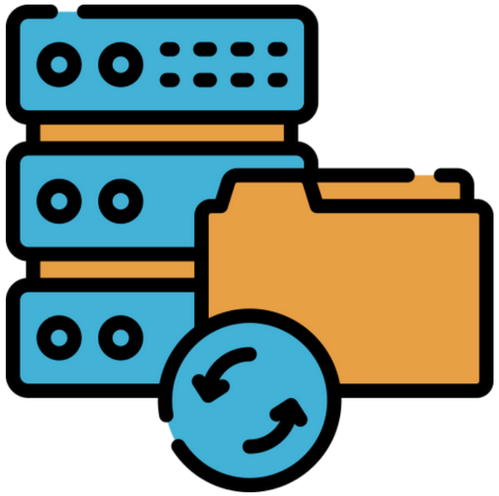
MANAGED SERVICES:

UTILIZING CLOUD PROVIDERS' MANAGED SERVICES TO REDUCE OPERATIONAL OVERHEAD, WITH CONSIDERATIONS FOR PORTABILITY VS. OPERATIONAL SAVINGS.



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DEFENSE IN DEPTH:

ADOPTING AN APPROACH OF APPLYING AUTHENTICATION AND MINIMIZING TRUST BETWEEN COMPONENTS TO ENHANCE SECURITY, WITH NO DISTINCT 'INSIDE' AND 'OUTSIDE' BOUNDARIES.

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ALWAYS BE ARCHITECTING:

CONSTANTLY REFINING, SIMPLIFYING, AND IMPROVING THE ARCHITECTURE OF THE SYSTEM TO ADAPT TO CHANGING ORGANIZATIONAL NEEDS, IT LANDSCAPES, AND CLOUD PROVIDER CAPABILITIES.

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ADAPTATION AND EVOLUTION:

EMPHASIZING THE NEED FOR ADAPTATION AND EVOLUTION IN CLOUD-NATIVE ARCHITECTURES TO SURVIVE IN THE EVER-CHANGING CLOUD ENVIRONMENT, SIMILAR TO ADAPTATION IN THE ANIMAL KINGDOM.

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