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Module 4 Glossary: Emergent Trends and Practices

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M4: Emergent Trends and Practices

Glossary

Term	Definition
API	Application Programming Interface
Application modernization	Helps organizations accelerate their digital transformation, take advantage of new technologies and services, and become more responsive to changing market dynamics
Cloud native application	An application developed from the outset to work only in the cloud environment, or an existing app that has been refactored and reconfigured with cloud native principles
Continuous delivery	Delivering small, well-designed, high-quality increments of software to customers
Continuous deployment	Progressing each new packaged build through the deployment lifecycle as rapidly as possible
Continuous integration	Creating packaged builds of the code changes released as immutable images
Continuous monitoring	Monitoring with tools that help developers understand the performance and availability of their applications, even before they're deployed to production
Delivery pipeline	An automated sequence of steps that involves the stages of Ideation, Coding, Building, Deploying, Managing, and Continuous Improvement
DevOps	Collaborative approach where business owners and the development, operations, and quality assurance teams collaborate to continuously deliver software
Hybrid multicloud	An open standards-based stack that can be deployed on any public cloud infrastructure
Microservices	Break down large applications into their core functions
Microservices architecture	Approach in which a single application is composed of many loosely coupled and independently deployable, smaller components or services
Monolithic architecture	Approach in which a single application is built out of one piece of software
Serverless	Approach to computing that offloads responsibility for common infrastructure management tasks
Service discovery	Creates a roadmap for microservices to communicate

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