Module 10
Advanced Microservice Architecture & Containerization

Event Processing Patterns
- Event-Driven Massaging
- Atomic Event Processing
- Appended Events

Utility Patterns
- Log Aggregator
- Distributed Diagnostics

High Performance & Reliability Patterns
- Container Chain
- Single Node Multi-Contaiers
- Volatile Configuration
- Server-less Microservice Deployment
- Leader Node Election
- Micro Scatter-Gather
- Redundant Implementation
- Composition Autonomy

State & Data Access Patterns
- Shared Isolated Database
- Pre-Defined Data View
- Synchronized Cross-Instance Events
- Centralized Isolated State Repository

Scalability Patterns
- Workload Distribution
- Service Load Balancing
- Dynamic Scalability

Base Deployment Patterns
- Dedicated Microservice Database
- Container Sidecar
- Microservice Ambassador

Interchange Patterns
- Microservice Compositor
- Autonomous Proxy Service
- Microservice Instance Registration

Boundary Definition Patterns
- Microservice Layers
- Microservice Isolation Levels
- Multi-Container Isolation Control

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Official Mind Map Supplement

Arcitura CERTIFIED Microservice Architect

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