

Serverless Computing Security

Ensuring security in serverless environments is crucial to protect applications and data from unique vulnerabilities.

Security Considerations:

- 01 Function Isolation:** Ensuring isolation between functions to prevent lateral movement in case of a breach.
- 02 Identity and Access Management (IAM):** Implementing strict role-based access controls to limit permissions.
- 03 Secure Configuration:** Enforcing best practices for resource configuration and minimizing attack surfaces.



- 04 Data Protection:** Encrypting data at rest and in transit to maintain confidentiality and integrity.
- 05 Event Injection Protection:** Validating and sanitizing inputs to prevent malicious event injections.
- 06 Third-Party Dependencies:** Regularly auditing and securing third-party libraries and dependencies.
- 07 Monitoring and Logging:** Implementing comprehensive logging and monitoring for real-time threat detection.
- 08 Compliance and Governance:** Adhering to regulatory standards and maintaining audit readiness.
- 09 Auto-Scaling Security:** Ensuring security policies scale automatically with demand fluctuations.
- 10 Incident Response Planning:** Developing and testing incident response strategies tailored for serverless environments.

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