

# AMAZON S3 MASTERING THREE POWERFUL SERVER-SIDE ENCRYPTION

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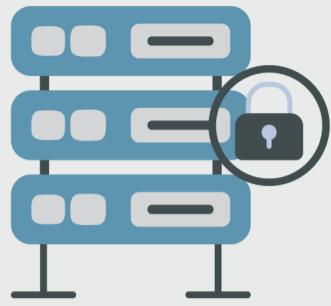
# SERVER-SIDE ENCRYPTION (SSE)

**“SSE with S3-Managed Keys (SSE-S3): Utilizes AES-256 encryption, managed automatically by Amazon S3, ensuring robust security without additional management overhead.”**



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# SERVER-SIDE ENCRYPTION (SSE)

**“SSE with AWS KMS Keys (SSE-KMS):** Integrates with AWS Key Management Service, offering enhanced security controls, user access logs, and audit trails.”



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# SERVER-SIDE ENCRYPTION (SSE)

**“SSE with Customer-Provided Keys (SSE-C):**  
Offers the highest level of control by allowing customers to manage your own encryption keys, which are not stored by Amazon S3.”



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# CLIENT-SIDE ENCRYPTION

**“Empower full encryption control by securing your data before it leaves your environment, ensuring that only encrypted data is stored on S3, accessible only by those with decryption capabilities.”**



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