

## Cloud Computing Security for Multi-Cloud Service Providers: Controls and Techniques in Our Modern Threat Landscape

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**Abstract :** Cloud computing security is a broad term that covers a variety of security concerns for organizations that use cloud services. Multi-cloud service providers must consider several factors when addressing security for their customers, including identity and access management, data at rest and in transit, egress and ingress traffic control, vulnerability and threat management, and auditing. This paper explores each of these aspects of cloud security in detail and provides recommendations for best practices for multi-cloud service providers. It also discusses the challenges inherent in securing a multi-cloud environment and offers solutions for overcoming these challenges. By the end of this paper, readers should have a good understanding of the various security concerns associated with multi-cloud environments in the context of today's modern cyber threats and how to address them.

**Keywords :** multi-cloud service, system organization control, data loss prevention, identity and access management

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