

Introduction

Cloud computing is the provision of on-demand computing services such as software, operating system, processing power, storage and other hardware resource over the internet or Network.

Cloud computing is a model of enabling global, appropriate, on-demand network access to a shared pool of configurable computing resources that can be rapidly provisioned and released with minimal management effort or service provider interaction. This cloud model is composed of five essential characteristics, four deployment models and three service models.

Instead of owning their own computing infrastructure or data centers, companies can rent access to anything from applications to storage from a cloud service provider to avoid the upfront cost and maintain their own IT Infrastructure.

Proper and well-designed datacenter is mandatory in order to provide cloud services to the customer. The above directives assist to implement the datacenter as per the standards and this directive is appropriate for computing security and implementation.

Cloud security provider should implement strong security controls to ensure the security of customer information which is stored and transmitted in the cloud infrastructure.

Cloud security provider should be certified by standards organization such as ISO27001 and cloud security alliance standards in order to get the confidence of customer and protect the information stored in the cloud infrastructure.

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