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Cloud-Based Security, New Breakthrough Technology for Distrusted Environments by Rob_Miller

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Over the recent past, the organizations have extended their private applications and networks to the internet. So the customers, business partners and mobile employees can access them anytime, anywhere 24x7x365. Numerous companies are offering services of multi-tenant infrastructure known as public cloud computing, which enables fast and smooth data transfer. Hardened routers, intrusion detection systems, network firewalls and many other traditional data security tools provide centralized protection. On the other hand, new innovative tools have been introduced in cloud security, which are decentralized.

Cloud security is a breakthrough technology that incorporates thousands of firewalls. Moreover, it operates efficiently over a highly distributed infrastructure and allows smooth scalability. Web security perimeters can be seamlessly extended within the distributed architecture, which directly block the attack at its source and provide network-layer protection. Cloud security system cloaks accessible IP space and limits the communication of IP addresses accordingly to the access control list. It also provides the option of throttling, white-listing or blacklisting the I.P addresses.

Additionally, the companies also prefer to backup their data as it provides you a source for data restore, if the systemâ€™s primary storage devices are unreadable or unauthorized access has tampered the sensitive business data. Proven reliability of tape storage systems makes them the foremost choice for securing precious corporate data. Numerous backup tape systems are available but there is no match for LTO (Linear Tape Open) format. Its unique multi-vendor interoperability facilitates the LTO customers to seamlessly share and backup business-critical data from other LTO environments. LTO-5 media tape is the latest generation offering 1.5/3 TB capacity. Its prior LTO-3 format is perfect for midsized data centers. Other high performance tape technologies are SDLT (Super DLT), Travan, DDS, VXA and SLR-MLR.

Now letâ€™s get back to the cloud-based security technology, which facilities the data-rich business enterprises to deploy custom rules. It robustly protects against the major attacks such as web cache poisoning, SQL injections, cross site scripting (XSS) and HTTP request splitting. New firewall resources can be seamlessly added if the traffic volume increases. Due to this new cloud-based security system, the overall IT architecture in data centers has changed, thus providing more in-depth security and higher operating efficiency. It protects your data assets at the internetâ€™s edge, while extending it over a distributed environment. In this way, your entire computing resources can be robustly secured in a cost effective manner.

With cloud security technology, fast growing businesses can efficiently achieve their data security objectives and improve their overall performance. Centralized data security is ideal for deep packet inspection and ensuring protection of secure client information such as credit card processing. On the contrary, cloud security is best for distributed systems. It intelligently prevents attacks originating from multiple sources even if the volume of data is large. It ensure safe data transfer, reduces applications downtimes, while blocking the malicious access.

Cloud security is the new market-leading technology that facilitates businesses to realize operational efficiency and economically leverage the internet to enter into new emerging business markets.

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