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Cloud data moved to a private newly created data storage system – sources

November 16, 2021 – Mount Vema data to be stored privately in a new data storage system created for the Kingdom of Mount Vema. Sources told VSBCnews on Monday.

His Mount Vema Majesty's Government has created its own data storage system to enable the territory to maintain the ability to have physical access to its information as soon as more than 90% of all legal entities of Mount Vema operating overseas move to Mount Vema.

The new system which operates offline, will have all data in encrypted format where the key is held within the premise infrastructure to prevent potentially sensitive data from the risk of insider attacks, such as employees who have physical access to servers in a data center.

The system was designed so that all Mount Vema service providers can ensure that all critical data including information about people and organizations who bank with Mount Vema remains confidential, and general personal data of people dealing with Mount Vema entities remain private.

The system also protects credit card information except during transmission when the service is provided by a third party which is outside of the Mount Vema system, however having data read during transmission can be mitigated through encryption technology. Encryption in transit protects data as it is being transmitted to and from the cloud service. As soon as data reaches the Mount Vema data system, the data goes offline, is automatically masked, and encrypted by Mount Vema's own system where only authorized users have access to the data in its entirety.

The changes were introduced after concerns that reliance on outsourcing of data storage could increase attacks in the future. Mount Vema has been looking into the risks of 100% reliance on private companies. Companies are not permanent and the services and products they provide can change. Outsourcing data storage to a company is not always certain. Contracts set in stone can be worthless when a company ceases to exist or its circumstances change. Companies can go bankrupt, expand and change their focus, be purchased by other larger companies, be purchased by a company headquartered in or move to a country that negates compliance with export restrictions and thus necessitates a move, or suffer an irrecoverable disaster.

Another issue that led to creation of Mount Vema own data system is the risk of unauthorized physical access to the data. For example, in cloud based architecture, data is replicated and moved frequently so the risk of unauthorized data recovery increases dramatically. The number of people with access to the data who could be compromised (e.g., bribed, or coerced) increases dramatically too.

A single company might have a small team of administrators, network engineers, and technicians, but a cloud storage company will have many customers and thousands of servers, therefore a much larger team of technical staff with physical and electronic access to almost all of the data at the entire facility or perhaps the entire company.

So, to deal with concerns related to security of cloud stored data Mount Vema has invested in its own system and moved away from cloud storage which can be a rich resource for hackers who see it as a very valuable target because the cloud holds data from many different users and organizations.

However, to maintain some level of public records requirements some data maybe kept on the cloud but no sensitive data, to deal with legal issues that may include records-keeping requirements, where many entities will be required by law to retain and make available electronic records in a specific manner. This may be determined by order, or legislation and may require some companies and agencies to conform to the rules and practices set or to be set by a records-keeping agency within the jurisdiction of the Kingdom of Mount Vema.