Cloud Security

Institution Affiliation

Date

**Thesis statement:** Cloud technology has become one of the most common ways of storing data but in current times, the security of this information is a huge concerned.

1. Introduction
2. Security issues associated with cloud storage
3. Cloud security control measures
* Deterrent controls
* Preventive controls
* Detective controls
* Corrective controls
1. Security and privacy
* Identity management
* Physical security
* Personnel security
* Privacy
1. Data security
* Integrity
* Access controllability
* Confidentiality
1. Encryption
2. Laws and compliance
3. Conclusion

References

Almorsy, M., Grundy, J., & Müller, I. (2016). An analysis of the cloud computing security problem. *arXiv preprint arXiv:1609.01107*.

Fernandes, D. A., Soares, L. F., Gomes, J. V., Freire, M. M., & Inácio, P. R. (2014). Security issues in cloud environments: a survey. *International Journal of Information Security*, *13*(2), 113-170.

Ryan, M. D. (2013). Cloud computing security: The scientific challenge, and a survey of solutions. *Journal of Systems and Software*, *86*(9), 2263-2268.

Zhao, F., Li, C., & Liu, C. F. (2014, February). A cloud computing security solution based on fully homomorphic encryption. In *Advanced Communication Technology (ICACT), 2014 16th International Conference on* (pp. 485-488). IEEE.

Shahzad, F. (2014). State-of-the-art survey on cloud computing security Challenges, approaches and solutions. *Procedia Computer Science*, *37*, 357-362.

Nanavati, M., Colp, P., Aiello, B., & Warfield, A. (2014). Cloud security: A gathering storm. *Communications of the ACM*, *57*(5), 70-79.