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|  | Republic of the Philippines  **CEBU TECHNOLOGICAL UNIVERSITY**  **Main Campus**  Corner M. J. Cuenco Avenue and R. Palma St., Cebu City, Philippines 6000  <http://www.ctu.edu.ph> email: [information@ctu.edu.ph](mailto:information@ctu.edu.ph)  Tel. No.: (032) 412-1141 Telefax: (032) 416-6706  **COLLEGE OF TECHNOLOGY**  **ITE ELEC 4 – Information System Security**  **Research Article**   |  |  |  | | --- | --- | --- | |  |  |  | |  |

1. Tittle of the Article:

Exploring data security issues in cloud computing

2. Author/s:

P. Ravi Kumar; P. Herbert Raj; P. Jelciana

3. Journal of Publication and Date and Year of Publication:

Elsevier Ltd. DFRWS; 2018

1877-0509 © 2018 The Authors. Published by Elsevier B.V.  
Peer-review under responsibility of the scientific committee of the 6th International Conference on Smart Computing and Communications  
10.1016/j.procs.2017.12.089

4. What are the researcher’s hypotheses? What is the purpose of the study?

The study explores the different data security issues in cloud computing in a multi-tenant environment and proposes methods to overcome the security issues. Also describes Cloud computing models such as the deployment models and the service delivery models.

5. What method/s is/are used to conduct the study/research? How was the study/research being carried out?

The method of the study uses is qualitative and it also uses experiment.

6. What is/are the results of the study/research? What is/are the conclusion/s of the study/research?

The cloud problems are mainly with the security and privacy of the data stored in the cloud. The cloud environments like heterogeneity, resource sharing, multi-tenancy, virtualization, mobile cloud computing and Service Level Agreement (SLA) that makes the cloud security more vulnerable. This paper provides the data security issues and methods to overcome these issues. There are also new developments in cloud computing like Container-as-a-Service (CaaS), Software-defined networking (a concept to design and manage networks that abstracts applications away from the underlying networks), Software-defined-storage (abstracts the logical storage services and capabilities away from the underlying hardware) and Cloud-of-Things (CoT), (a concept combining cloud computing and Internet-of-Things (IoT) for smart city applications). All these new developments bring new challenges in cloud computing and they need to be addressed. When there is a change in technology, always review the security policies and procedures and update accordingly to protect the data and its privacy.

7. In your own opinion, what is the significance/importance of the study/research? After the conclusions and results, what can you suggest that should be done further?

The significance of the study is the security of data that is being stored in cloud computing. Further, the management of data that is coming in and out must be having tight security most especially when there would be a sensitive data.



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| **April 02, 2018** |
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