## Private Cloud Setup with User Storage Management

## Absract

Cloud computing provides computing, storage and software resources as services to users on-demand over the Internet. Cloud computing has been increasingly gaining popularity due to the benefits such as its access capability from any location, sharing of data across multiple data centers, and the management of data storage by the service providers.

Since security is still an unresolved issue in public cloud storage, business critical data can be preferably maintained in private cloud storage.Consumers want to ensure that their enterprise data is stored securely and obliviously on the cloud, such that the data objects or their access patterns are not revealed to anyone, including the cloud provider, in the public cloud environment

 We will design and configure an algorithm to cloud user storage management on HADOOP (VMWARE) at operating system of Linux. Manage user directory by using HDFS (Hadoop Distributed File System) as well create remote user interface. User also managed or checked its storage capacity either available or used.

In this Report we also highlight the feature (Scalability, storage management, Network management, user I.D, multiple node,) of different platform like (Amazon, Google, iCloud, Apache Hadoop)

## Conferences

**Published in:**[2016 IEEE 9th International Conference on Cloud Computing (CLOUD)](https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7819578)

**Date of Conference:**27 June-2 July 2016

**Date Added to IEEE *Xplore*:**19 January 2017

**ISBN Information:**

**Electronic ISSN:** 2159-6190

**INSPEC Accession Number:**16617433

**DOI:**[10.1109/CLOUD.2016.0151](https://doi.org/10.1109/CLOUD.2016.0151)

**Publisher:**IEEE

**Conference Location:**San Francisco, CA, USA

<https://ieeexplore.ieee.org/document/7820388>

**Published in:**[2017 12th Iberian Conference on Information Systems and Technologies (CISTI)](https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7966453)

**Date of Conference:**21-24 June 2017

**Date Added to IEEE *Xplore*:**13 July 2017

**ISBN Information:**

**INSPEC Accession Number:**17028881

**DOI:**[10.23919/CISTI.2017.7975849](https://doi.org/10.23919/CISTI.2017.7975849)

**Publisher:**IEEE

**Conference Location:**Lisbon, Portugal

<https://ieeexplore.ieee.org/document/7975849>

**Published in:**[2015 IEEE International Conference on Smart City/SocialCom/SustainCom (SmartCity)](https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7453733)

**Date of Conference:**19-21 Dec. 2015

**Date Added to IEEE *Xplore*:**05 May 2016

**ISBN Information:**

**INSPEC Accession Number:**15986348

**DOI:**[10.1109/SmartCity.2015.215](https://doi.org/10.1109/SmartCity.2015.215)

**Publisher:**IEEE

**Conference Location:**Chengdu, China

<https://ieeexplore.ieee.org/document/7463870>

**Published in:**[2013 International Conference on Recent Trends in Information Technology (ICRTIT)](https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6832892)

**Date of Conference:**25-27 July 2013

**Date Added to IEEE *Xplore*:**26 June 2014

**Electronic ISBN:** 978-1-4799-1024-3

**INSPEC Accession Number:**14399486

**DOI:**[10.1109/ICRTIT.2013.6844185](https://doi.org/10.1109/ICRTIT.2013.6844185)

**Publisher:**IEEE

**Conference Location:**Chennai, India

<https://ieeexplore.ieee.org/document/6844185>

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**Published in:**[2009 Second International Conference on Information and Computing Science](https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5168779)

**Date of Conference:**21-22 May 2009

**Date Added to IEEE *Xplore*:**21 July 2009

**Print ISBN:** 978-0-7695-3634-7

**ISSN Information:**

**INSPEC Accession Number:**10791898

**DOI:**[10.1109/ICIC.2009.85](https://doi.org/10.1109/ICIC.2009.85)

**Publisher:**IEEE

**Conference Location:**Manchester, UK

<https://ieeexplore.ieee.org/document/5169602>

## Reference

[1] Naresh Vurukonda, Thirumala Rao. “A Study on Data Storage Security Issues in Cloud Computing.” *Procedia Computer Science*, vol. 92, pp. 128-135, 2016.

[2] B. Hati Karishna, S. Kiran Dr., G. Murali, R. Pradeep Kumar Reddy. “Security Issues in Service Model of Cloud Computing Environment.” *Procedia Computer Science*, vol. 87, pp. 246-251, 2016.

[3] R. Velumadhava Rao, K. Selvamani. “Data Security Challenges and Its Solutions in CloudComputing.” *Procedia Computer Science*, vol. 48, pp. 204-209, Jan. 2015.

[4] Mazhar Ali, Samee U. Khan, Athanasios V. Vasilakos. “Security in cloud computing: Opportunities and challenges.” *Information Sciences*, vol. 305, pp. 357-383, June. 2015.

[5] Lifei Wei, Haojin Zhu, Zhenfu Cao, Xiaolei Dong, Weiwei Jia, Yunlu Chen, Athanasios V. Vasilakos. “Security and privacy for storage and computation in cloud computing.” *Information Sciences*, vol.258, pp. 371-386, Feb. 2014.