- To appreciate the security issues in the memory management and the techniques used in current world of Cloud Computing.
- To identify the security challenges, those are predictable in the prospect of Cloud Computing.
- To propose contest actions for the future challenges to be faced in Cloud Computing.

VI. METHODOLOGY OF PROPOSED WORK

In this study, we will use two main research methods.

1. Systematic Literature Review.
2. Review and interview with a variety of security experts operational on Cloud Computing.

In the methodology section the methods used to conduct the research are accessible, afterwards details about the literature is given. In the findings section the result of the literature review is presented. Afterwards the discussion section presents relevant groupings of the findings as well as a motivation for these groups. In the concluding section the research questions are answered and the authors' recommendations for future research presented.

VII. HARDWARE AND SOFTWARE REQUIREMENTS

CPU: Dual-socket Intel Xeon X5550 (Nahelem) 2.66GHz processors.

Intel Xeon X5550 processor has 4 cores and each core is capable of hyper-threading.

HDD: 1.5TB+ 7200.11 SATA (minimum) + one PATA Boot Drive

Main Board: Intel BOXDG43NB series ME (minimum)

RAM: 4GB DDR2 800 RAM

These are basic requirements to build an infrastructure for running Cloud Computing and Virtualization. You will need Power Supply, Switch and other basic components for Cloud Computing and Virtualization.

REFERENCES

[1]. Alliance for Telecommunications Industry Solutions. Homepage URL: http://www.atis.org.

[2]. Amazon S3 Availability Event: (2008). URL: http://status.aws.amazon.com/s3-20080720.html (Accessed on November 29, 2012).

[3]. AOL Apologizes for Release of User Search Data (2006). URL: news.cnet.com/2010-1030_3-6102793.html. August 7, 2006.

[4]. Armbrust, M., Fox, A., Griffith, R., Joseph, A. D., Katz, R. H., Konwinsky, A., Lee, G., Patterson, D.,Rabkin, A., Stoica, I. & Zaharia, M (2009). Above the Clouds: A Berkley View of Cloud Computing.

[5]. Technical Report No. UCB/EECS-2009-28, Department of Electrical Engineering and Computer Sciences, University of California at Berkley. February 10, 2009. Available on line at: http://www.eecs.berkeley.edu/Pubs/TechRpts/2009/EECS-2009-28.pdf (Accessed on: November 20, 2012) Association for Retail Technology Standards (ARTS). Homepage URL: http://www.nrf-arts.org.

[6]. Badger, L., Grance, T., Patt-Corner, R., & Voas, J. (2011). Draft Cloud Computing Synopsis and Recommendations. National Institute of Standards and Technology (NIST) Special Publication 800-146.

[7]. US Department of Commerce. May 2011. Available online at: http://csrc.nist.gov/publications/drafts/800-146/Draft-NIST-SP800-146.pdf (Accessed on: November 20, 2012).

[8]. Bertion, E., Paci, F., & Ferrini, R. (2009). Privacy-Preserving Digital Identity Management for Cloud Computing. IEEE Computer Society Data

[9]. Biggs & Vidalis (2009). Cloud Computing: The Impact on Digital Forensic Investigations. In Proceedings of the 7th International Conference for Internet Technology and Secured Transactions (ICITST'09), London, UK, November, 2009, pp. 1-6, Blaze, M., Kannan, S., Lee I., Sokolsky, O., Smith, J. M., Keromytis, A.D., & Lee, W. (2009). Dynamic Trust Management. *IEEE Computer*, Vol 42, No 2, pp. 44-52, 2009.

[10]. Bruening, P.J. & Treacy, B.C. (2009). Cloud Computing: Privacy, Security challenges. Bureau of National Affairs, 2009.