

Cloud Computing: Security Issues and Challenges

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Abstract: Cloud computing uses the internet technology to maintain data and applications. The consumers and businesses to use applications without installation and access their personal files anywhere with access of internet. In the IT industry that every emerging technology brings some issues and challenges, this is also true for Cloud Computing Environment. The objective of this talk is to introduce a detailed analysis of the cloud computing security issues and challenges focusing especially on SaaS.

Keywords - Cloud Computing, emerging technology, SaaS security, issues and challenges



Biography: Prof. Dr. Subarna Shakya holds Ph.D. in Computer Engineering from Lviv Polytechnic National University, Ukraine. He served as Executive Director at National Information technology Center, Government of Nepal and also head of Department of Electronics and Computer Engineering, Director of Center for Information Technology and Chairman of Electronics and Computer Engineering Subject Committee, Institute of Engineering, Tribhuvan University. He has also served as coordinator of EURECA (European Research and educational collaboration with Asia) and IDEAS (Innovation and Design for Euro-Asian Scholars). project is financed by the European Commission through the Erasmus Mundus Program .He is Professor of Computer Engineering at Department of Electronics and Computer Engineering , Pulchowk Campus, Institute of Engineering, Tribhuvan University and also Visiting research Professor in the University of Rhode Island, USA. He is the advisor member of National Information Technology Committee, Government of Nepal. He has published more than 80 technical and policy related papers in national as well as international reputed journals. He is steering committee member in School on Internet (SOI), Kieo University, Japan. He is presently serving as project coordinator of LEADER (Links in Europe and Asia for engineering, education, Enterprise and Research exchanges) financed by the European Commission through the Erasmus Mundus. He has delivered his key note speech in Seoul National University, South Korea and in the 16 International Multi Topic Conference (INMIC) 2013, 18 Dec 2013, Lahore, Pakistan organized by University of Engineering and Technology and IEEE and Invited Speaker in "e-Government Implementation in Nepal, 8 Oct 2012 at San Diego University, San Diego,

USA as well as on "e-Government initiative and adopting Cloud computing as an e-Government Platform in Nepal" 8 Oct 2014 at University of Nevada, Las Vegas, USA. He has given key note speech on "Implementing Cloud Service Models in e-Government at IEEE ICCCA, 29 April, 2016 at Galgotias University, India. He has also Invited Speaker in "the Cloud computing for e-Government Implementation" 3 Oct 2016 at Santa Clara University, Santa Clara, San Francisco , USA. He has given key note speech on "Cloud Computing for Sustainable development" at IEEE ICCCA, 6 May 2017, 2016 at Galgotias University, India and also key note speech on "Cloud Computing security and challenges ", 11 January 2018, " IEEE 8th International Conference on Cloud Computing, Data Science & Engineering" Organized by Amity University, Noida, India .He is the expert member of Board of studies in South Asian University, India.

He is the Life Member of Indian society for mathematical modeling and Computer Simulation, IIT, Kanpur, India, Member of IEEE, Member of the Society of Digital Information and Wireless Communications, Senior Member of International Association of Computer Science and Information Technology (www.iaacsit.org), Hon. Fellow Member of Scientific Society of Advanced research and social change, www.ssarsc.org and Senior member of science and engineering institute, (SCIEI), www.sciei.org. He is keen interest in research and development of ICT, e-government system, Information security for e-Government system, multimedia system, Computer Systems simulation and modeling, Cloud computing & Security, Energy Efficiency in cloud computing, Information system, computer architecture and software engineering.