

SECURITY CONCERN FOR VIRTUALIZATION IN CLOUD COMPUTING

GAYATRI SHITANSHU KAPADIA¹ & RAVI M. GULATI²

¹Assistant Professor, Department of Master in Computer Application,
Sarvajanik College of Engineering & Technology, Surat, Gujarat, India

²Associate Professor, Department of Computer Science, Veer Narmad South Gujarat University, Surat, Gujarat, India

ABSTRACT

Cloud computing has become known as today's most thrilling computing standard shift in information technology arena. With the efficient sharing of abundant computing resources in the cloud, users can economically enjoy the on-demand high quality cloud applications and services without committing large capital outlays locally. The cloud is a virtualization of resources that maintains and manages itself. Cloud can exist without Virtualization, although it is difficult and inefficient. The Virtualization is gaining new goals and attracting those who need to perform the "miracle of multiplication", as it is to fit more information in less space. [1] Many of the features of virtualization offer both benefits and disadvantages to security.

This paper is addressing about the virtualization which is one of the fundamental components of cloud computing, types of virtualization specifically hardware virtualization and its approaches plus virtualization security aspects.

KEYWORDS: Virtualization, Hypervisor, Virtual Machine, Security, Guest Operating System