STEP BY STEP SECURING CLOUD ENVIRONMENT

RINI MAHAJAN1[1] & DHEERENDRA SINGH[2]

[1]Assistant Professor, CSE Quest Group of institutions, Mohali, Punjab, India

[2]Associate Professor, CSE CCET Sector-26, Chandigarh, Punjab, India

ABSTRACT

Cloud computing is pervasive nowadays. It has brought tremendous advancement in the world of internet. Although Cloud is very advantageous, it has introduced many security concerns. Many researchers have worked on cloud security; research is still going on, because we don't have any fool proof solution for it. Security is not required only on one level rather on all the levels, e.g. IAAS, PAAS & SAAS. Privacy of data & security of data in cloud environments is ensured through various methods such as authentication, encryption, data protection & access control, identity management, etc. This paper covers all the steps of maintaining security in cloud in detail to make the cloud environment robust.

KEYWORDS: Authentication, CSP, Cloud Forensic, Encryption, IAAS, PAAS, SAAS