

CLOUD COMPUTING: A DATA SECURITY FRAMEWORK

AMAN KUMAR SHARMA¹, ANITA GANPATI² & ANJU BALA³

^{1,2}Associate Professor, Department of Computer Science, H. P. University, Shimla, Himachal Pradesh, India

³Assistant Professor, Department of Computer Science, Shoolini University, Solan, Himachal Pradesh, India

ABSTRACT

Cloud computing offers new approach of computing that provides the significant efficiency and economic benefits. Its importance is increasing day by day and receiving a huge attention in the scientific and industrial fields. Although it has many benefits yet has a significant limitation that is security. This study concerns about the security issues of data. This paper firstly explains various data security issues and then possible solutions. First one is an authentication model that provides more secure access to data on cloud, second one is cryptography that encrypts the data to make it more secure, third one is structural method that break the data structurally to avoid the misuse of data and fourth one is a data insurance method which provides an alternate method that assures the data security to user.

KEYWORDS: Cloud Computing, Security Issues, Two Tier Architecture, Data Insurance