

Ajay Kumar, J.\*, Hari Krishna, K and Kiran Kumar, E TRR Engineering College, Inole (V), Patancheru (M), Medak (Dt), AP

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Cloud Computing; Privacy; Data Storage;

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**Abstract:** Cloud Computing for Data Storage Security and its Privacy have presented in this paper. The cloud computing architecture is presented with Public auditability, Storage correctness, Privacy-preserving, Batch auditing, Lightweight. The privacy-preserving public auditing is clearly explained with four algorithms and its protocol. The algorithms are KeyGen, SigGen, GenProof and VerifyProof.