

VEHICLE INFORMATION SYSTEM USING KEY AUTHENTICATION FRAMEWORK IN CLOUD COMPUTING ENVIRONMENT

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Key authentication framework is one of the secure ways to access the data. It puts forward the concept of vehicular cloud computing and highlight the key usage for secured data sharing in cloud. Cloud computing plays a significant role in emerging technologies since it provides scalability, dynamic and also provide virtual resources through internet. However storage of data in cloud sometimes leads to security concerns. The concept of secured data sharing in cloud will be prominent to overcome the security concerns in cloud storage. The Secure Data Sharing in Cloud (SeDaSC) provides information privacy and trustworthiness. The SeDaSC philosophy encodes a document with a single encryption key. Two distinctive key are provided, for each user there are user key and the owner key, where the user will be having the share of one key alone, other key is maintained by the trusted third party server called cryptographic server. User key can only able to view the data and the owner key can able to make changes and update the data. Cryptography plays a vital role in key management. An encrypted data is stored in the cloud. Encryption is the process of converting the information into codes and providing the data in encrypted format. It encodes a file into cipher text format. Cipher text is the form of encoding the plain text into unreadable format. It is also called as encoded or encrypted information. Various quality-based encryption algorithms are proposed to offer cloud information storage protection and access control.