



RESEARCH ARTICLE

Data Protection for Cloud Using Homomorphic Mechanism

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Abstract— Cloud computing combination of hardware and software resources made available on the Internet as managed third-party services. These services typically provide access to advanced software applications and high- end networks of server computers. Cloud computing is a general term for anything that involves delivering hosted services over the Internet. These services are broadly divided into three categories: Infrastructure- as-a-Service (IaaS), Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS). The name cloud computing was inspired by the cloud symbol that's often used to represent the Internet in flowcharts and diagrams. As cloud computing slowly moves into the mainstream, more and more personal data is being moved out of companies' own data centers and into the cloud, which means the data could potentially reside on servers anywhere on the planet. We are providing the Platform as a Service (PaaS) is a way to rent hardware, operating systems, storage and network capacity over the Internet. The service delivery model allows the customer to rent virtualized servers and associated services for running existing applications or developing and testing new ones.

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