

New Security Approach of Confidential Resources in Hybrid Clouds

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Abstract : Nowadays, Cloud environments are becoming a need for companies, this new technology gives the opportunities to access to the data anywhere and anytime, also an optimized and secured access to the resources and gives more security for the data which stored in the platform, however, some companies do not trust Cloud providers, in their point of view, providers can access and modify some confidential data such as bank accounts, many works have been done in this context, they conclude that encryption methods realized by providers ensure the confidentiality, although, they forgot that Cloud providers can decrypt the confidential resources. The best solution here is to apply some modifications on the data before sending them to the Cloud in the objective to make them unreadable. This work aims on enhancing the quality of service of providers and improving the trust of the customers.

Keywords : cloud, confidentiality, cryptography, security issues, trust issues

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