Cloud Computing

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Abstract:

Cloud computing is a rapid evolving and promising technology. It allows you to access and store data over the Internet instead of your personal hard drive. Google Drive, iCloud, and Dropbox etc. are the cloud-based services that store all your data exclusively over the internet, freeing up storage space on your device. It is a product that combines different computing like grid computing, distributed computing, parallel computing, and ubiquitous computing. It uses a range of relatively inexpensive compute units and advanced delivery models such as IaaS (Infrastructure as a Service**),** SaaS (Software as a Service), PaaS (Platform as a Service) to deliver powerful computing capabilities. It aims to build and predict advanced service environments with a Service, using HaaS (Hardware as a Service) to distribute powerful computing power to end users. This paper examines the background and service models and discusses existing research issues and implications in cloud computing, such as security, trust, and privacy.

Motivation:

Cloud Computing over traditional file system is very flexible as we can access our data any time anywhere in the world. Distributing storing mechanism allows users to recover their data from disaster. Collaboration is also possible using cloud by which a team can access, edit, and share documents with much more improved security. Today's modern business and ecosystems need to have such characteristics; thus, cloud computing has become the vital technology to sustain the current development.

References:

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[2] https://www.iventuresolutions.com/blog/what-is-cloud-technology-how-does-it-work/#:~:text=In%20more%20advanced%20terms