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Elevating the Cloud: The Past, Present, and Future for Cloud Computing

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The growing influence of cloud computing is increasing by the day as it becomes more necessary in any technology today. There is no doubt that cloud computing is adapting in all places for a more convenient future. But how did cloud computing get to be so popular and used by businesses and individuals alike? This paper explores the history, present and likely outcomes for the future of cloud computing based on past trends and current technologies in place. There will also be an analysis on the perceived positives and negatives to cloud computing and how that can affect future cloud computing ventures. Today, cloud computing has such a vital role to play in making technologies and software more convenient and available wherever and whenever it is needed. To do tasks like making cooperative spreadsheets and documents to intensive computing hungry tasks like gaming and protein folding. In the future, cloud computing will be elevated past the cloud to do more powerful tasks and possibly fizzle out traditional computing as we know it today.

Currently cloud computing has three main taxonomies: Infrastructure as a Service (IaaS), Software as a Service (SaaS), and Platform as a Service (PaaS). The other upcoming one is Function as a Service (FaaS), that provides a platform for allowing customers to manage, test, and develop application features without having the complexity or maintenance of the infrastructure needed to develop applications. Examples of a FaaS are Amazon's n's AWS Lambda and pen-source application, Microsoft Azure Function. Despite bringing several advantages, the cloud still is susceptible to many security vulnerabilities like DDOS attacks, cloud account hijacking, and/or Malware. Cloud computing 22is highly appreciated for its mobility, reduced risks, and availability.

References
References available upon request

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