Role of Cloud Computing in IoT

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Abstract: *Cloud computing and web of Things (IoT) square measure 2 terribly completely different technologies that square measure each already a part of our life. the web of Things (IoT) is turning into consecutive Internet-related revolution. It permits billions of devices to be connected and communicate with one another to share data that improves the standard of our daily lives. On the opposite hand, Cloud Computing provides on-demand, convenient and ascendable network access that makes it doable to share computing resources. Their adoption and use square measure expected to be additional and additional pervasive, creating them vital elements of the long run web. a unique paradigm wherever Cloud associate degreed IoT square measure united along is expected as rIoTous and as an enabler of an oversized range of application eventualities. during this paper, we have a tendency to focus our attention on the mixing of Cloud and IoT, that is decision the Cloud-IoT paradigm. several works in literature have surveyed Cloud and IoT severally and, additional exactly, their main properties, features, underlying technologies, and open problems. However, to the most effective of our data, these works lack a close analysis of the new Cloud-IoT paradigm, that involves utterly new applications, challenges, and analysis problems. To bridge this gap. The large range of resources accessible on the Cloud may be extraordinarily helpful for the IoT, whereas the Cloud will gain additional promotional material to enhance its limitations with universe objects during a additional dynamic and distributed manner.in this paper we offer a literature survey on the mixing of Cloud and IoT. beginning by analysing the fundamentals of each IoT and Cloud Computing, we have a tendency to discuss their complementarity, particularization what's presently driving to their integration.*

Keywords: Cloud Computing, Web of Things (IoT), Computing Resources, etc.

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