

Comparative Analysis of Edge computing and IOT

Research Question

Formulation of research question is important for research. It is the initial step to the research project. Edge computing and IoT are vast topics under research. So, research question has helped to narrow down the focus of the research on some aspects of the topic. For this project, the research question is,

- What is the impact of edge computing and IoT on remote workforces in future, in the context of the COVID-19 Pandemic?

Context

Advancement of information and communication technologies like IoT, big data analytics, 5G communication technologies are transforming the way IT is integrated into the daily lives of people. Moreover, the recent pandemic situation has made it clear that in future organizations and businesses require to adapt more technology-based solutions to process and store their data online, running businesses with remote workforces, and making their business processes adaptive and flexible to changes and disruptions. So, reducing the latency time, and improvement of real-time data processing is likely to help organizations in many ways.

Population

The basis of groups that we are comparing against each other are edge computing and IoT.

Intervention

Automation is an important enabler of the use of IoT Edge computing to manage a remote workforce. Without human intervention it will help in managing system logs and restore a system.

Comparison

The groups we are comparing to each other are Edge computing and IOT.

Outcome

Research question has been formulated to carry out a comparative analysis of Edge computing and IoT, finding out challenges and advantages of integration of IoT and Edge computing. The selected use case of remote workforce management using IoT edge computing is a special focus of the project.