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ANALYSIS OF SECURE SMART HOME SYSTEM DEVELOPED BY USING FOG COMPUTING AND CLOUD COMPUTING

Smart home security is gaining popularity in the current times owing to it's provided convenience to the people around the globe. Various devices and technologies have aided and played a significant role in providing security to smart homes. Cloud Computing has been referred as one of the backbone technologies, facilitating smart home security. Cloud offers on-demand network resources in addition to sustainability, online data processing and disaster recovery. Despite the benefits, there are certain drawbacks to cloud as well, which have been solved by Fog Computing. Fog Computing is an extension of Cloud Computing, which happens to serve at the local network of Internet of Things or Smart Devices. This research compares fog and cloud computing paradigms from the perspective of Smart Home Security. The research focuses on security relevant costs and benefits of fog versus cloud based smart homes.

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