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TITLE

Fog Computing and its Ecosystem

ABSTRACT

In relation to ‰ÛÏcloud computing‰Û , it is bringing the computing & services to the edge of the network. Fog provides data, compute, storage, and application services to end-users. Fog Computing is also known as Edge Computing within the industry. The distinguishing characteristics are its proximity to end-users, its dense geographical distribution, and its support for mobility. Services are hosted at the network edge or even at the end devices such as set-top-boxes or access points. Thus, Fog can alleviate challenges that IoT (Internet of Things) is expected to encounter such as high latency, lack of bandwidth and processing of too much data. Fog is expected to reduce service latency and improve QoS- which will result in superior user-experience.

BIOGRAPHY

RAMIN ELAHI, MSEE, is an Adjunct Professor and Advisory Board Member at UC Santa Cruz Silicon Valley. He has taught Data Center Storage, Unix Networking & System Administration at UC Santa Cruz and UC Berkeley Ext. since 1996. He is also a Sr. Education Consultant at Dell/EMC. He has also served as a Training Solutions Architect at NetApp, where he managed the engineering on-boarding and training programs. Prior to NetApp, he was Training Site Manager at Hitachi Data Systems Academy in charge of development & delivery of enterprise storage arrays certification programs. He also was the global network storage portfolio manager at Hewlett-Packard. His areas of expertise are Emerging technologies in data center storage & compute, cloud and Hyper Converged storage solutins. He also held variety of positions at Cisco, Novell and SCO as a consultant and escalation engineer. He implemented the first university-level Data Storage & Virtualization curriculum in Northern California back in 2007.