Ubiquitous Resources for Service Availability

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Résumé du projet de recherche (Langue 1)

Cloud, Edge, Fog computing have shown that computing, as well as network and storage capabilities, is everywhere from the datacenters to customers houses and Networks edges. Telcos provide end-to-end service : Network Access and Services, sometimes through appliances they provide themselves (set-top boxes, routers, sensors for IoT, ...), Cloud services (storage, SaaS, ...) for both residential and business customers and have assets they can leverage to make the best use of all these resources and provide a cohesive customer experience across those various environment. The goal of this thesis is to propose a framework to better leverage Telco specific network topology, from centralized datacenter to Point of Presences and customers’ devices, for the pervasive usage of applications.