Defesa de Proposta de Dissertação: Pedro Paiva Alves

Título: **Offloading Decision for Multiple Devices in a Dynamic Environment**

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Resumo:

The evolution of the processing and storage technology of mobile devices has been quite accelerated in recent years. However, applications are following such evolution, requiring more and more processing power and storage. In this way, approaches that aid in the processing and storage of the applications become necessary.One of them is the approach of using Offloading with a Fog Computing infrastructure, in order to assist the tasks in the devices with low processing capacity and to avoid high latency of information exchange in the network, saving the battery of the device. In this context, a decision method is needed where to perform Offloading, once different environments are in place, and how to detect the pre-sence of these environments, since they are dynamicly entering and leaving the network. The proposal presented in this article is a method of discovering devices on the network along with a method of choosing the device where to carry out such a process.

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