Defesa de Qualificação de Tese: Rayner Gomes Sousa

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Título: **Applications and Challenges on IoT Network over Software-Defined Networking Perspective**

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Resumo:

The Internet of Things (IoT) is composed of a massive number of objects distributed around the world. Consequently, this vast quantity of objects along with diverse and dynamic application requirements, impose significant challenges for IoT. Some of these issues are: an enormous amount of different objects could strangle the network, these objects can be mobile, they have restricted resources and are used concurrently by various types of applications. To address these issues, new approaches are necessary that would allow facilitating deployment of new solutions on the Internet. The software-Defined Networking (SDN) enables the network to be flat, flexible, and programmable. Thereby, SDN can be applied in many IoT scenarios to solve problems related to scalability, mobility, integration, management, interoperability, and security. This work discusses several recent works that demonstrate the prodigious use of SDN in IoT. Furthermore, we show some gaps in these works in order to clarify and draw new ways in the research.

Banca:

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