Automatic Control of an OpenFlow-Based Network Using Lua and SPLAY

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Abstract

This paper presents a solution for the automatic control of an OpenFlow-based network, using the Lua scripting language and the features of SPLAY automatic software deployment. The legacy solution relies on manual configuration and lacks flexibility. The novelty herein refers to merging the SDN features with a fast programming language and SPLAY's innovative functions.

Biography

I am twenty-three years old, currently studying at the Technical University of Cluj-Napoca, Faculty of Electronics, Telecommunications and Information Technology. I graduated in 2011 the National College "Simion Barnutiu" Simleu-Silvaniei. Since then I am interested in telecommunications networks and software development, expecting to obtain the B.Sc. degree in Telecommunications Technologies and Systems in July 2015.

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