Assistant (Student)

Working student for development of GUI to study data center switch availability

Data centers are built using different types of switches. While building a data center, the availability of switches plays a crucial role in the availability of the data center. In turn, the switch's availability is defined by the quality of the sub-components used. This work focuses on switch availability as a combination of the sub-components' availabilities.

In this work, the student is expected to build a python GUI, where the user can give the failure parameters of the subcomponents as input, and view the possible failing times and instantaneous availabilities of the sub-components and the switch itself.

The student will receive the set of parameters and values for this GUI. The work is only to develop the GUI.

Prerequisites

Mandatory: Python, PyQT

Preferred: Analysis, Modeling, and Simulation of Communication Networks; Communication Network Reliability at LKN.

Contact

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Advisors

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