Link Error Detection and Failure Recovery In Software Defined Networking

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ABSTRACT

Software Defined Networks makes the network centralized and execute the task in a systematic fashion. Any modification in the network such as updations and deletions are only done via the Controller. Our project is mainly focused on link error detection and recovery. A network is said to be reliable if it satisfies the following two conditions. One is no packet drop and other is communication is done without any delay. Both of these are affected if a link is failed and so the links in the network must be kept resilient. This project deals with an unique mechanism to overcome the link failures. Our project ensures that the packet is rerouted properly to the destination node even if the link fails and the restoration policy of the state is taken into consideration. This will make the network reliable and this is done in a virtualized environment called mininet in order to provide with better results.

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