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BIG DATA TRANSFER OVER COMPUTER NETWORKS

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In many cases there is the need to transfer the Big Data from one point of computer network to another point. Quite often those points are far away from each other. The transfer time is significant factor to transfer the Big Data. During this time the features of the data link might be changed drastically including interruptions of channel operation once or more times during data transfer.
There are a number of known utilities/systems which are used for Big Data transfer. The authors investigate which utilities/systems are more suitable for Big Data transfer and which are most important architecture features for such the systems. It is of interest the comparison study of the data transfer methods. The testbed is developed to compare the data transfer utilities and study how Software Defined Networks (SDN) approach affects the Big Data transfer. The development of the testbed is discussed as well.

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