



Fig. 7. The Visualization of the Simulation Results

simulation tool and results from the practical testing experiments. The tool can help to demonstrate the working procedure of Lock-Keeper as well as estimate its performance in case of customer-specified scenarios. Many future works are expected to optimize the tool, e.g., introducing new parameters for the basic model, simulating and testing the DualGate Lock-Keeper, integrating the communication between Lock-Keeper (i.e., INNER or OUTER) with source and target hosts of the file, combining our application layer simulator with existing network simulation framework, such as NS-3 or OMNeT++ [16], visualizing the whole procedure on how the data is processed/transferred by the Lock-Keeper, etc.

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