BT Selects OPNET for Researching End-to-End QoS

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BT is one of the world's leading providers of communications solutions; serving customers in Europe, the Americas, and Asia Pacific. The Broadband Performance Design group is responsible for research into network technologies and their impact on end-to-end performance for the multi-service BT broadband network.

The team leverages OPNET Modeler to analyze the relationship between the user's perception of application performance (Quality of Experience) and network Quality of Service (QoS) configurations. Modeler's scenario-based analysis also facilitates the comparison of different queuing and scheduling schemes to optimize the allocation of network capacity.

By using Modeler to analyze performance metrics such as throughput, delays, and jitter, BT can ensure that SLA requirements will be met when delivering differentiated services. The comprehensive model library allows BT to simulate the full protocol stack, and assess the impact of protocol dynamics on network congestion and end-user application response time.

"Modeling with OPNET means that we can confidently deliver design specifications that save time and money right from the beginning of the design lifecycle. OPNET has now become an acknowledged tool for assessing the performance implications when delivering advanced services over BT's new 21st Century Broadband Network."

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