Traffic-monitoring system for a 100-Gbps network with an economical configuration combining a general-purpose server and FPGA-based NIC was implemented. It enables real-time monitoring of multiple services with one unit, which was difficult with conventional monitoring systems, and faster and more efficient failure prediction/analysis.

**Features**
- Real-time traffic monitoring and visualization at 100-Gbps wire rate
- Unknown-flow visualization by packet sampling and uninterrupted rule-update technology

**Application Scenarios**
- Quickly identify the causes of failures in multiple services
- Detailed analysis by flow-specification/pre- and post-incident packet capture

**Roadmaps**
- We aim to further increase added value of the traffic monitoring system by linking this system with other systems, such as DPI/security, and deploying it on public cloud networks.

**Exhibitors**
NIPPON TELEGRAPH AND TELEPHONE CORPORATION, NTT Advanced Technology Corporation

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