



0.0001% packet loss
when using RFC2544 test
methodology using vBNG.¹

Transforming Fixed Access Using Traffic Steering on a Cloud Native Architecture

A new, more dynamic Fixed Access Architecture is being defined that supports cloud native principles to enable the control and user plane of the network to be scaled up in rapid response to increases in customer traffic load or service needs and allows new features to be rolled out to the control and user planes in a continuous deployment approach without costly and time-consuming outages for maintenance. In order to prove out the architecture, Intel, Vodafone, and the Berlin institute of Software Defined Networking embarked on building a functional lab prototype using the Intel® Tofino™ 64 x 100G ports P4 programmable switch, 3rd gen Intel Xeon Scalable processors, and the Intel® Ethernet Network Adapter E810. The prototype demonstrated that the flexibility of the approach lends itself well to the fundamentals and flexibility required of the edge traffic steering on a multi locational architecture.

Products and Solutions

[3rd Gen Intel® Xeon® Scalable Processors](#)
[Intel® Ethernet Network Adapter E810](#)
[Intel® Tofino™](#)

Industry

Telecommunications

Organization Size

10,001+

Country

United Kingdom

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