

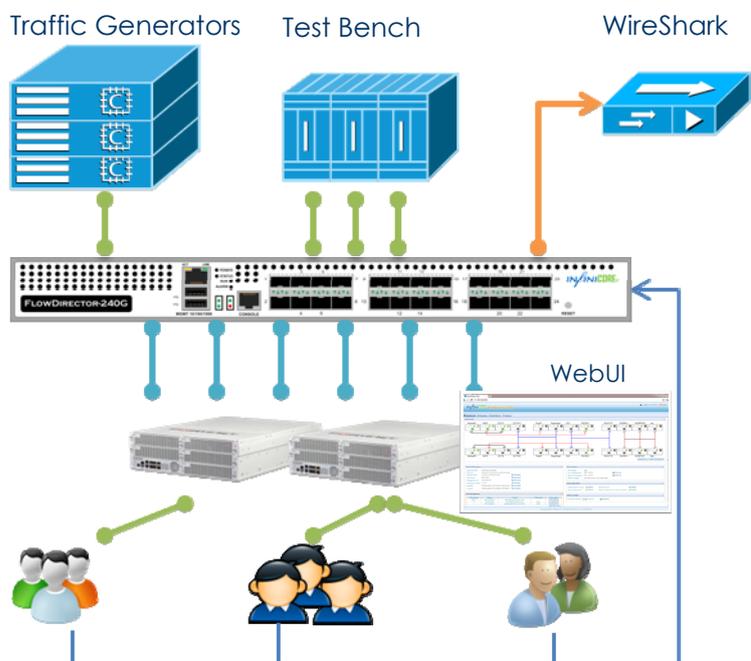


### Boost Engineers' Productivity in 10Gbps Era Two Killer Applications of FlowDirector

As networks move towards 10Gbps and beyond, demands for next generation 10Gbps products and services are heating up. It puts pressure on engineers to develop products that are feature-rich, high-performance and with short time-to-market. Engineers who work on 10Gbps products are frequently facing issues that may require expensive test equipments to uncover. Moreover, the problems are made worse due to lack of visibility into the traffic on the wire. To help engineers work more efficiently and provide better visibilities into the traffic, we purposefully designed FlowDirector. Among many applications FlowDirector support, two killer applications stand out and are included in this solution brief to demonstrate what you can build on top of FlowDirector to improve lab efficiency and boost engineers' productivity.

#### 1 Share Prototypes and Traffic Generator Ports Efficiently

It is common for most of the companies to have limited prototype units and 10G traffic generator. Most of the developers need to complete their work in a shared environment. FlowDirector can greatly improve the efficiency when it comes to sharing DUTs and traffic generators across engineering teams.



Flow Director provides the following functions to help lab administrators implement resource sharing without worrying service interruption, topology changes and cable management. FlowDirector has the following unique features:

- Intuitive Reservation Management
- Innovative VirtualWire Technologies to eliminate physical cable management.

[Continued from the left]

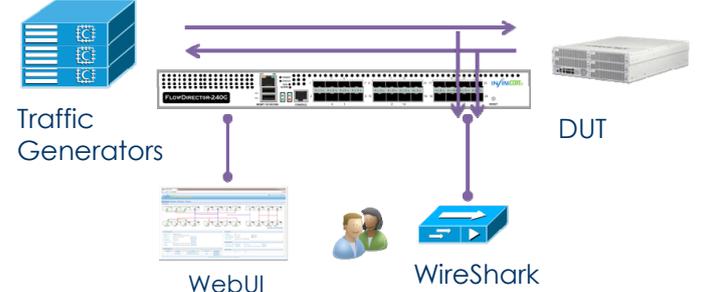
- Fully integrated WebUI and easy to switch between traffic modes
- All topologies and device status are displayed graphically with full clarity

#### 2 Debugging 10Gbps with Full Visibility

It is a good practice to test code changes often. When regression tests fail, engineers start to debug till the failures get fixed. The quicker the engineers can circle through these phases, the faster the features get completed correctly, hence shortening the time-to-market. However, the debug phase can be time consuming when it comes to 10Gbps:

- Unlike 1Gbps, capturing traffic at 10Gbps from DUT often caused the issue to disappear because it slows the DUT down. Downgrading the speed to 1Gbps can also prevent the problems from being reproduced
- It is not scalable and efficient to use traditional tap to gain visibility on multiple ports
- It can be chaotic from the perspective of cable management when setups are shared across teams

With FlowDirector, engineers can dynamically create tap ports while running traffic, undisturbed between tester and DUT. Engineers can use additional options to fine tune tap configurations for their specific setups.



Engineers can benefit from the following features FlowDirector provides:

- Capture the traffic without interrupting DUT or traffic generators
- Capture the packets on wire after post processing completion by Network Interface Card
- Dependable analytical results. No more artificial "Checksum Errors" produced by the offloading features on NIC Card

In addition to its outstanding capabilities and features, Infincore™ FlowDirector is a cost effective solution that can be used in a wide range of applications. Please visit us at <http://www.infincoreinc.com> for more information or email us at [info@infincoreinc.com](mailto:info@infincoreinc.com) for any questions.