Understanding System Architectural Tradeoffs is Key to Delivering on Your Network Monitoring Goals

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So, What are Your Network Monitoring Goals?
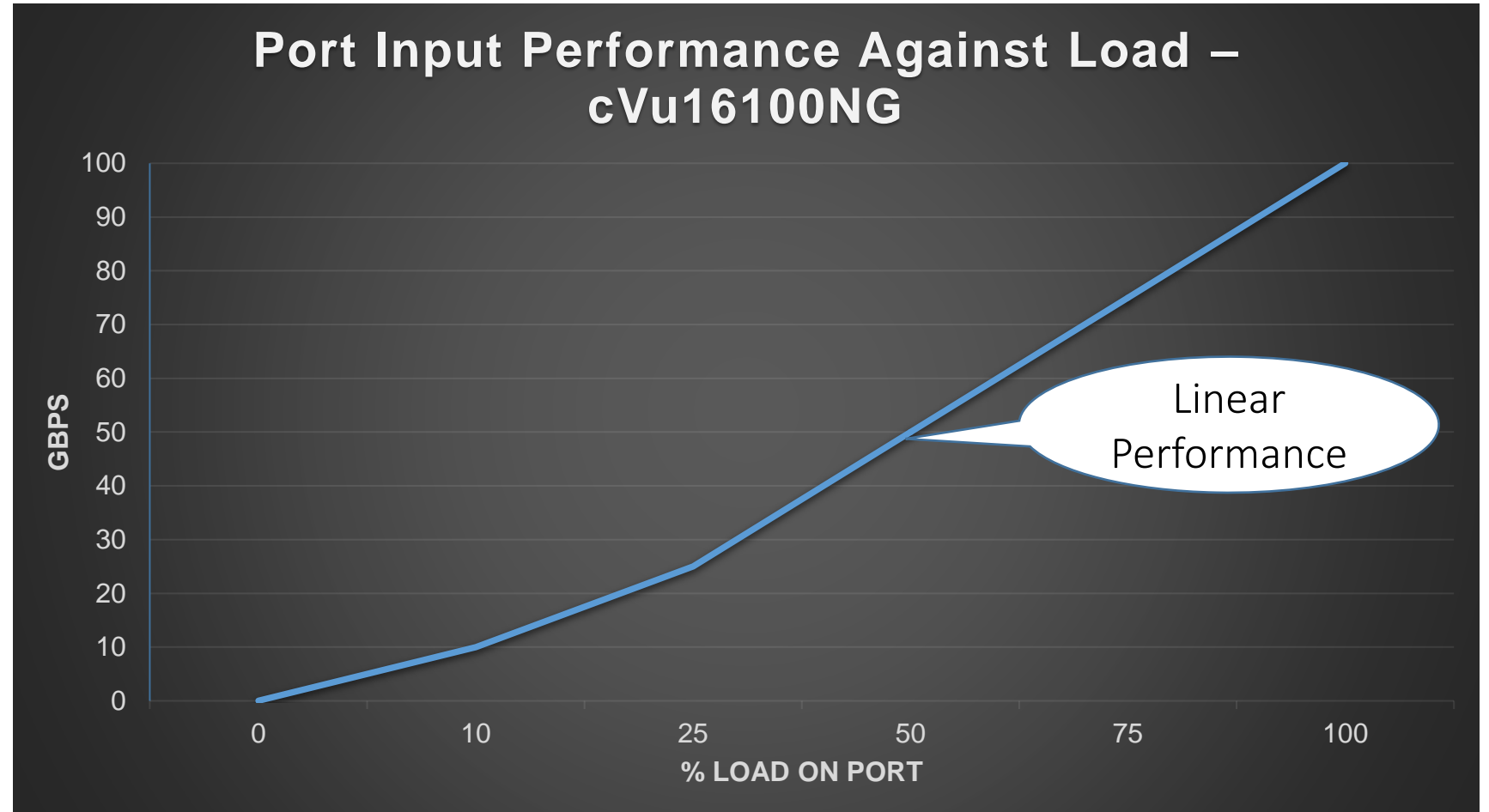
- The next level of detail matters

  - Characteristics of your Packet flow
    - Microbursts
    - Multicasts
    - Market Data Feeds
    - Latency
    - Packet loss
    - North/South vs East/West

  - Requirements for "Basic vs Advanced Features"
    - Considering Today and Tomorrow ☺

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Device Performance Under Load is Critical

Don't just evaluate technology under low or minimal load.

Consider the Worst case!

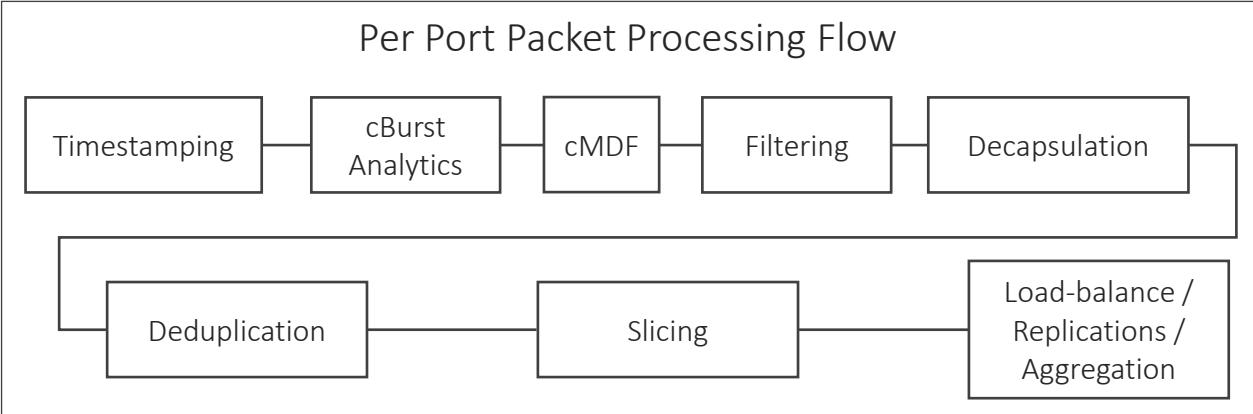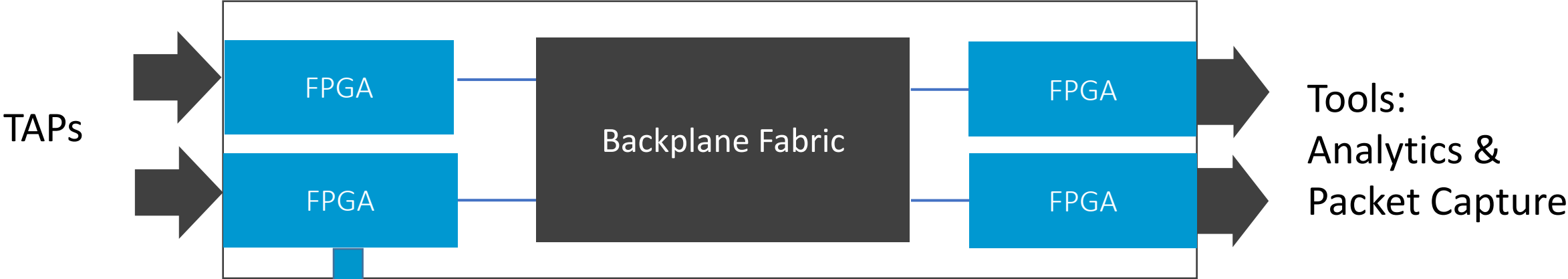cPacket supports max load on all ports with per port FPGAs providing wire-speed performance.
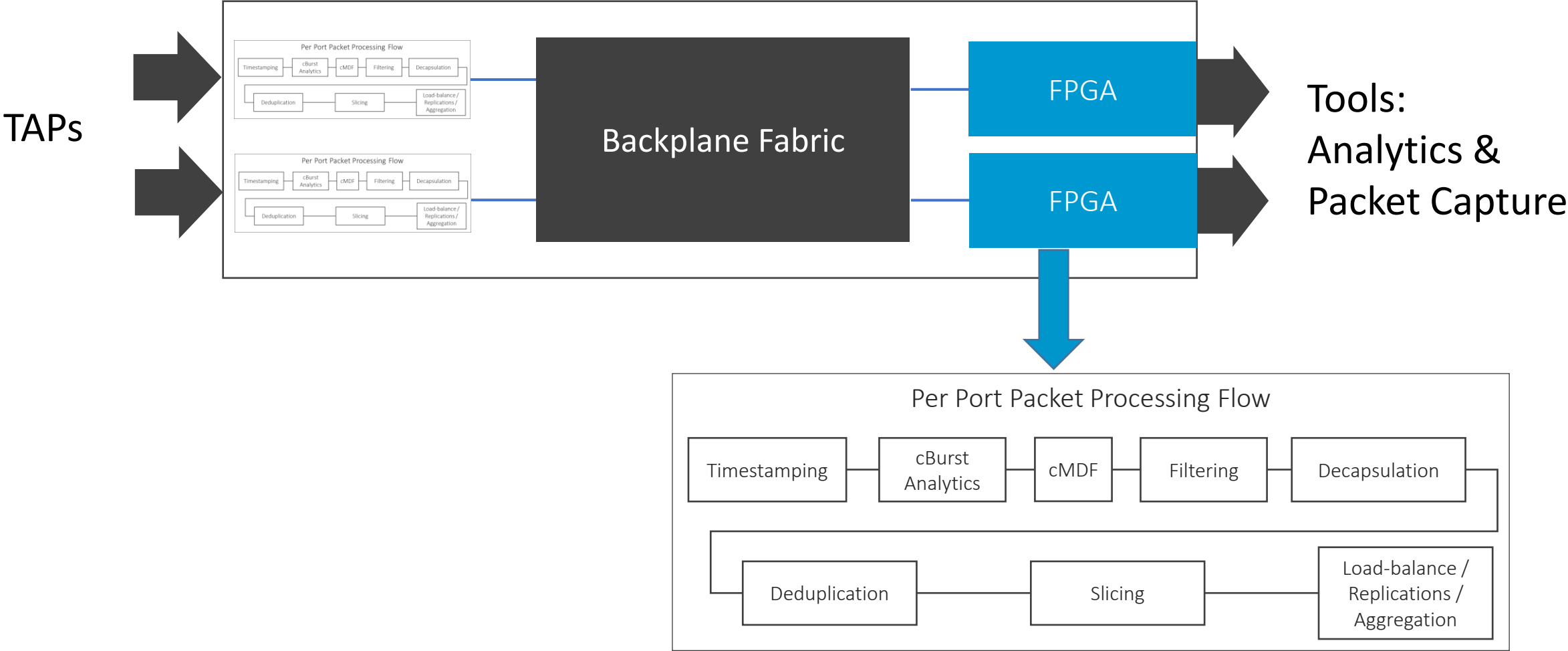
Port Input Performance Against Load – cVu16100NG

Linear Performance

GBPS
% LOAD ON PORT

NOTE - NOT STAC BENCHMARKS

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A Probe with Advanced Features at Every Port

Analytics and processing of every bit of every packet at line rate.

TAPs

FPGA

FPGA

Backplane Fabric

FPGA

FPGA

Tools:
Analytics &
Packet Capture

Per Port Packet Processing Flow

Timestamping	cBurst Analytics	cMDF	Filtering	Decapsulation

Deduplication	Slicing	Load-balance / Replications / Aggregation

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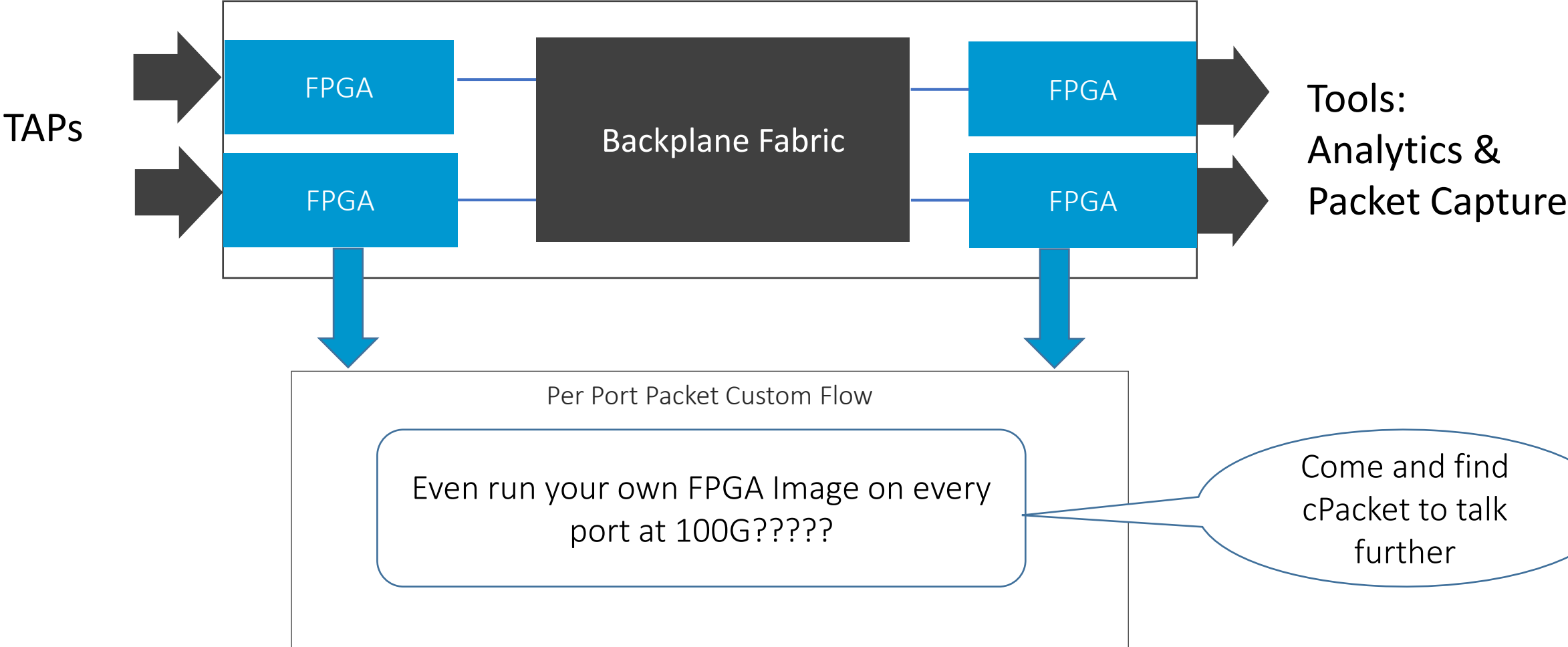
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A Probe with Your Features at Every Port

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TAPs

| FPGA |
| FPGA |

Backplane Fabric

| FPGA |
| FPGA |

Tools:
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Per Port Packet Custom Flow

Even run your own FPGA Image on every port at 100G?????

Come and find cPacket to talk further
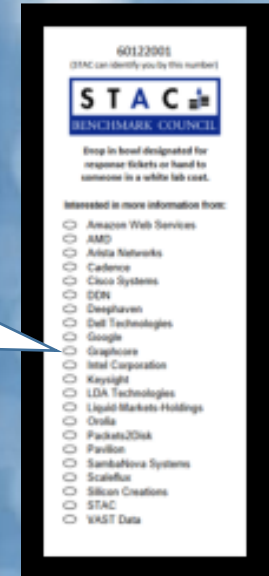
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Why should you care?

- Packets Matter - Lost packets are lost data points

- Accuracy Matters – Nanosecond time stamping

- Advanced Features Matter – An actual 1.6Tbps Probe!

Your networks are critical to you and your company.

Don't be the last to know!

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