



PRESENTS

NETWORLD INTEROP

an INTEROP event

The New Web Switch

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President & CEO

September 13, 2001



Vision: Ubiquitous Application Services

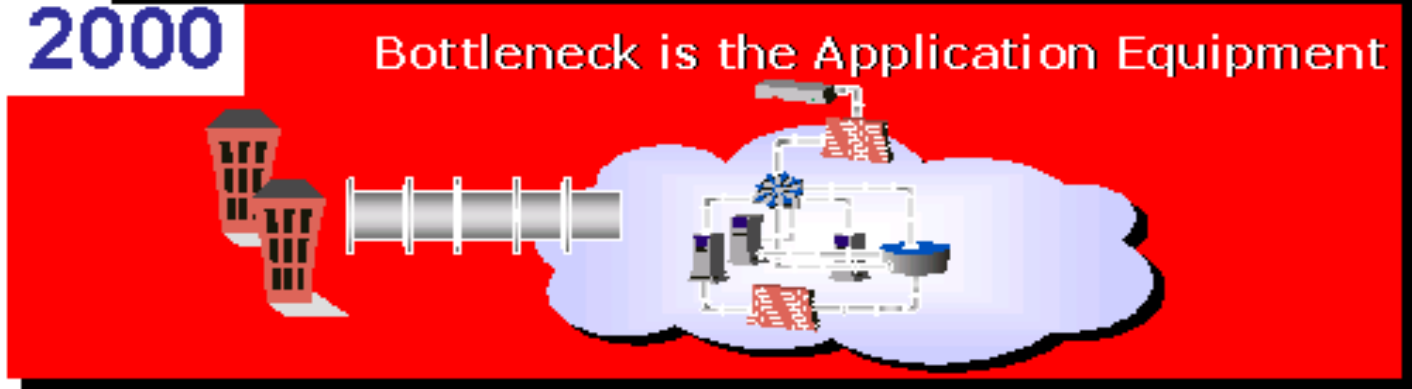
2002

Carrier-class Application Service Delivery via Overlay



2000

Bottleneck is the Application Equipment

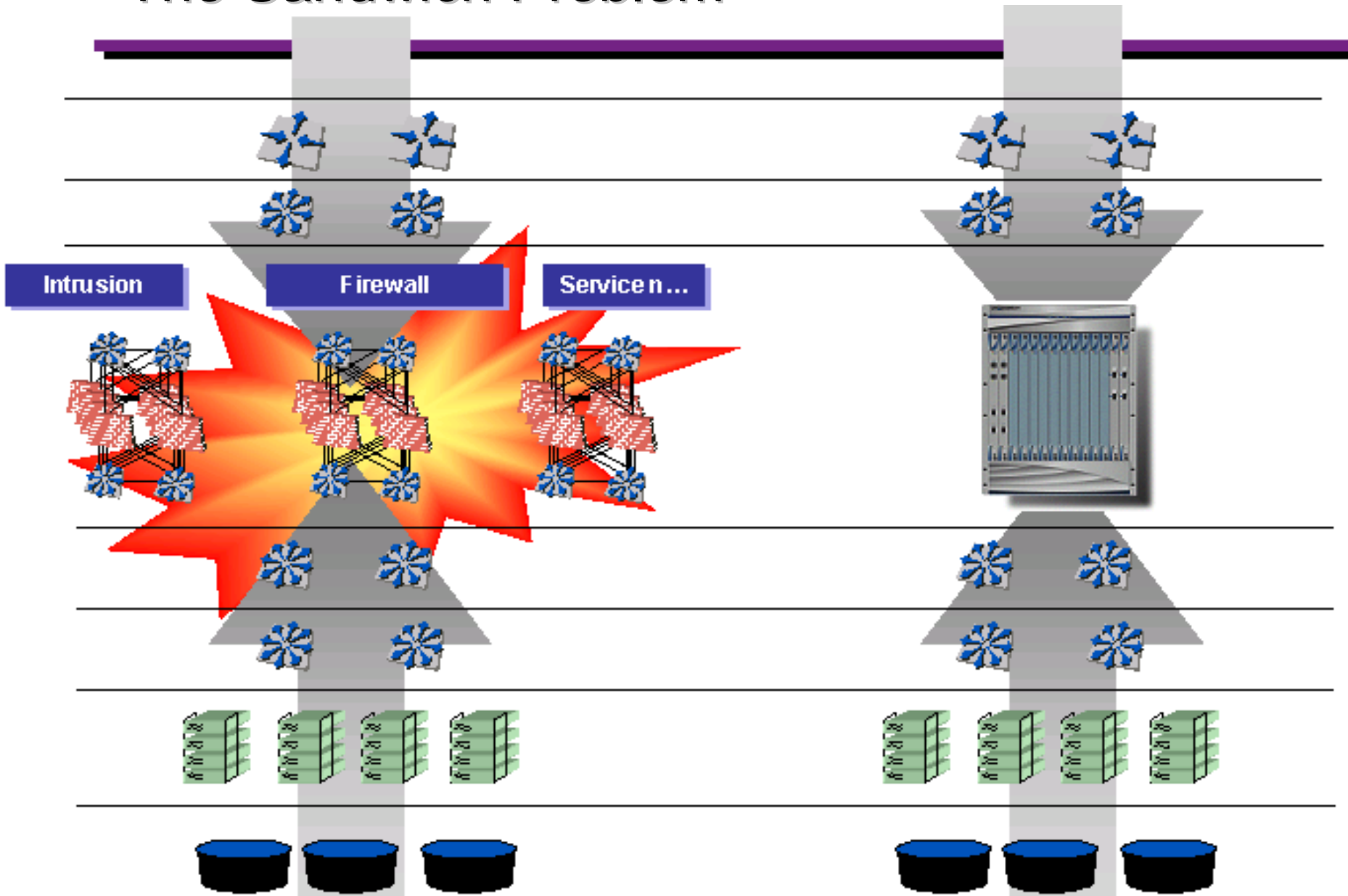


1990

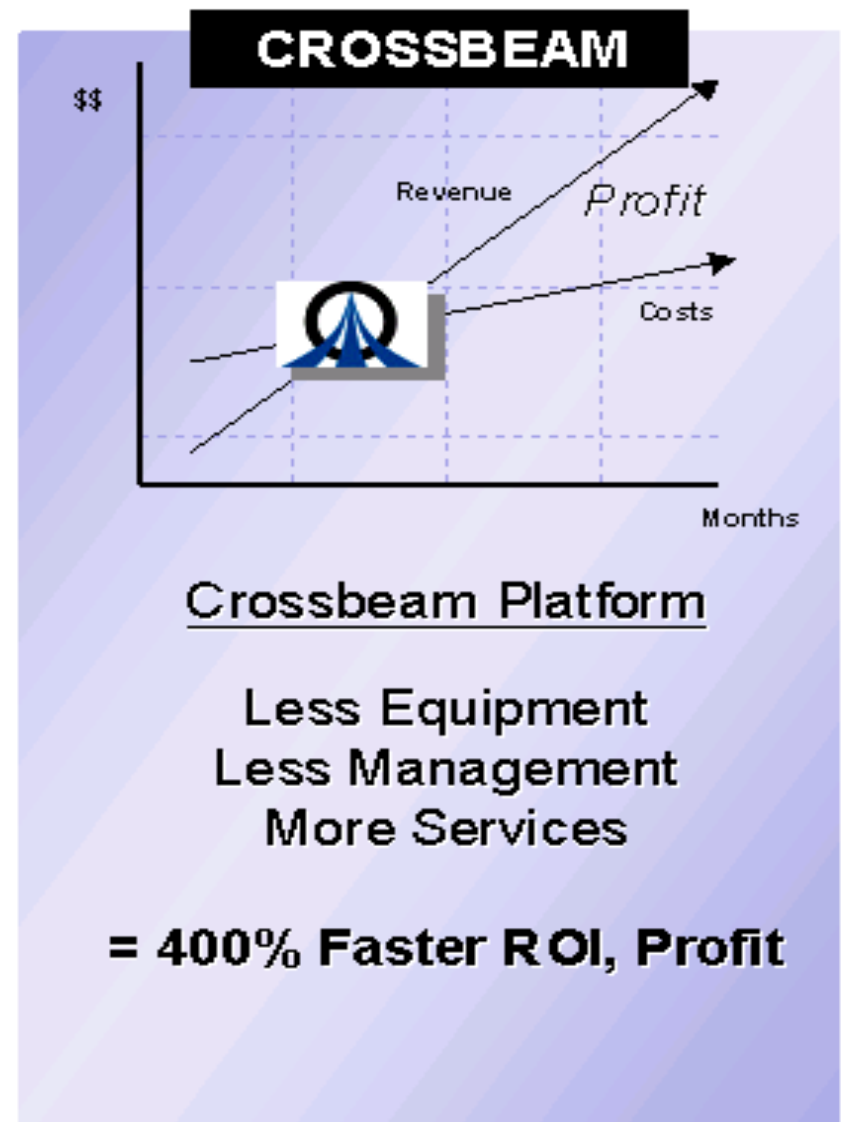
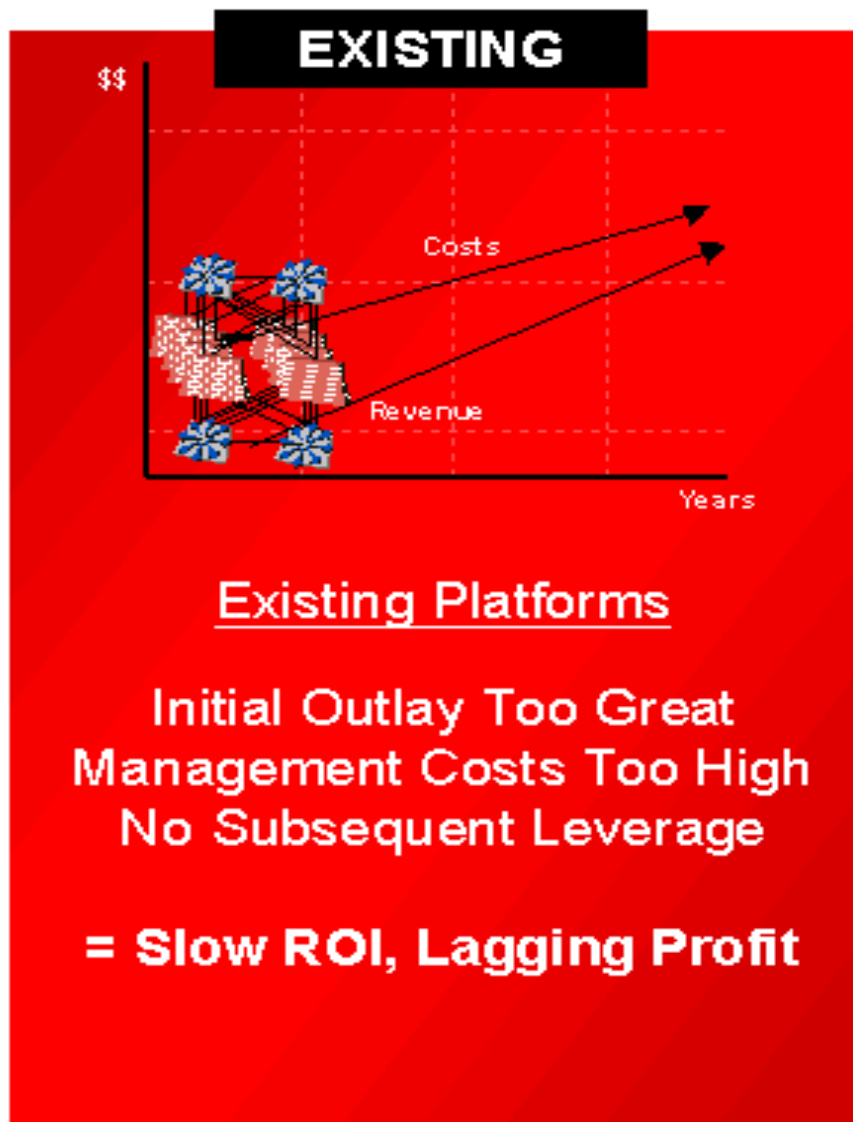
Bottleneck is the Wide Area Network



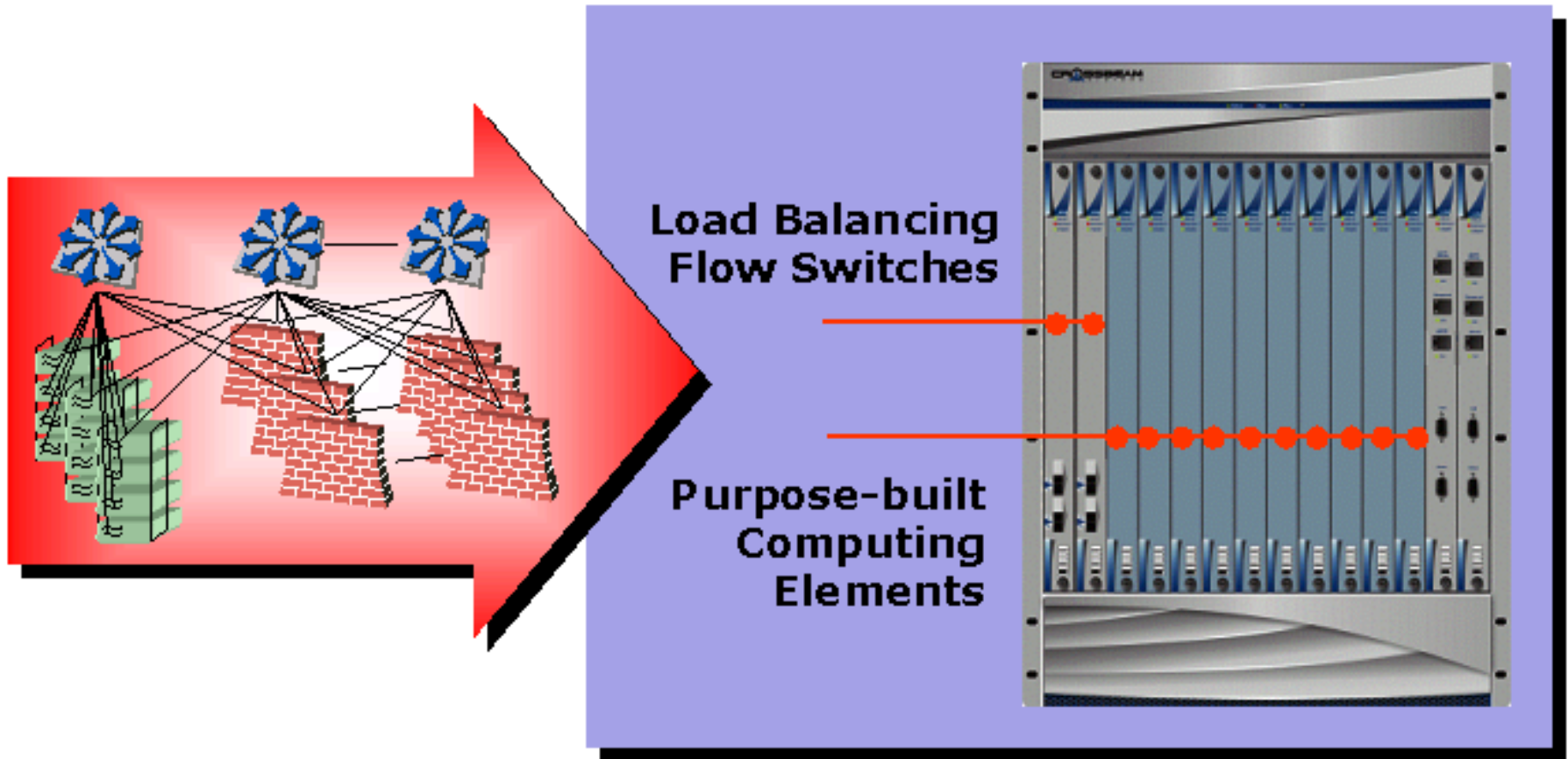
The Sandwich Problem



Chicken and Egg Economics

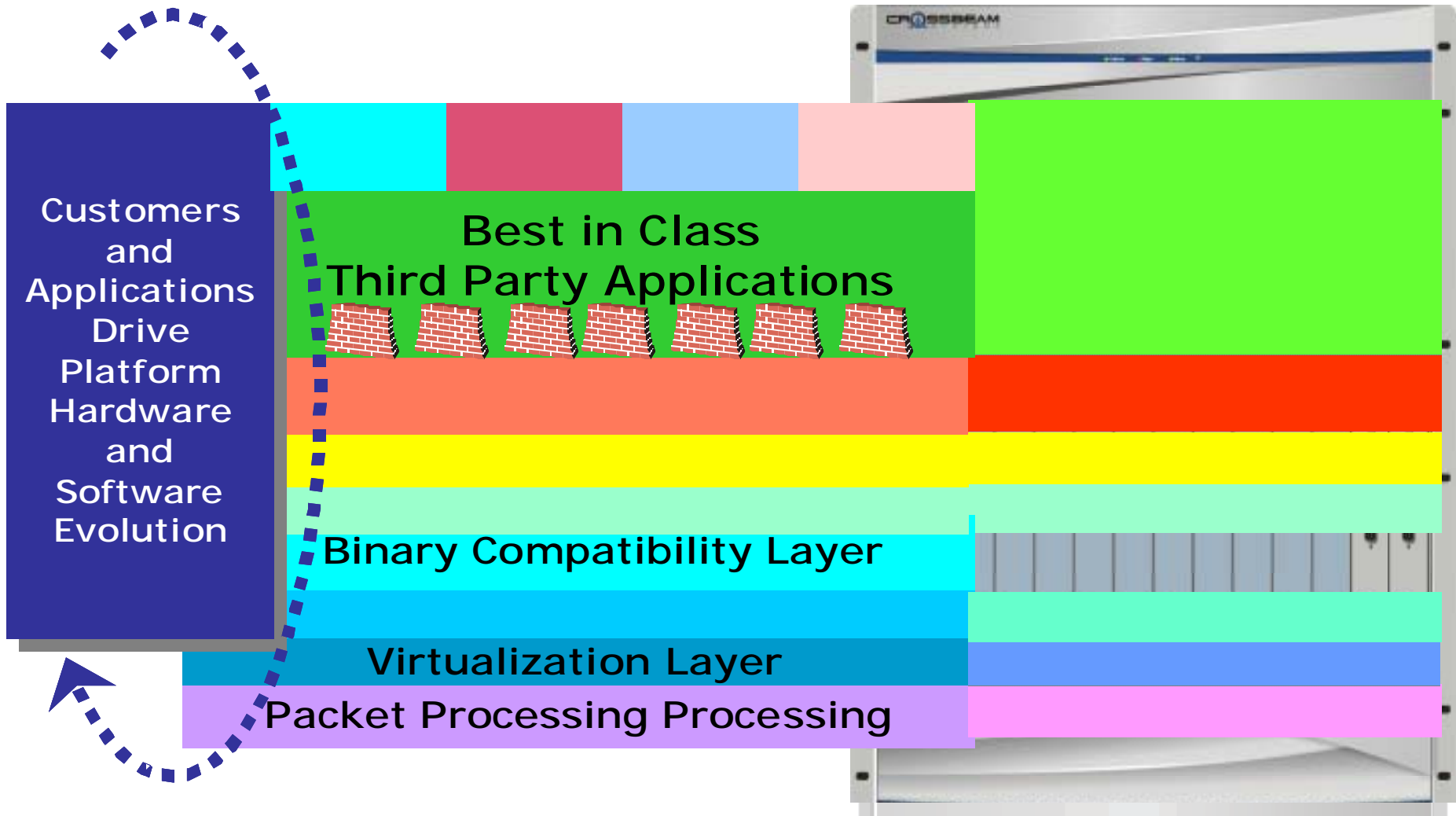


Cost Reduction Via Integration



Extend 99.999% Availability to Application Services Cost Effectively

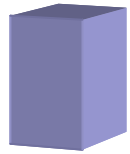
Maximizing Application Service Value



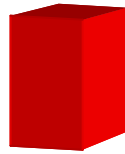
Standard Software subsystems migrate into hardware

Optimizing For Application Services

Platform Cost Components



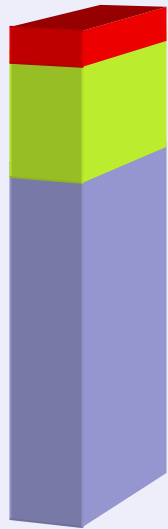
Transport Services



Flow Processing and Management



Value Added Services & Applications



Network Equipment



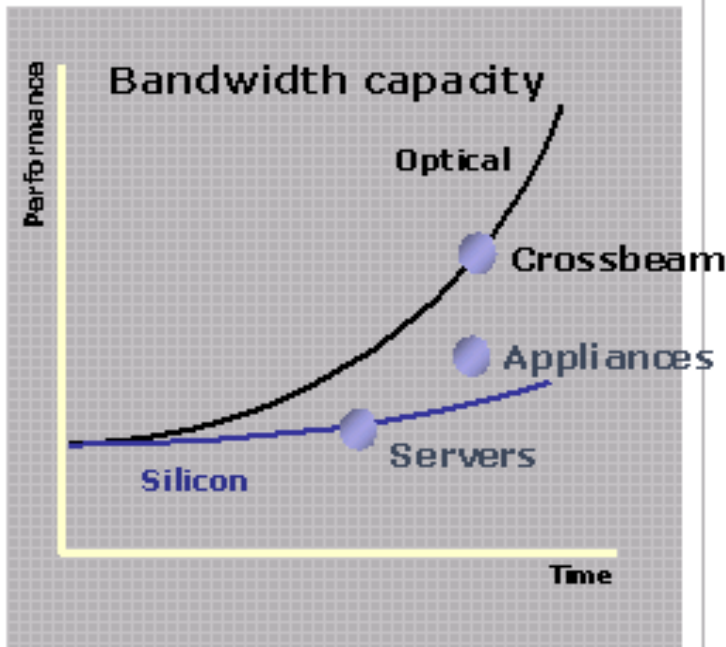
Servers



Crossbeam

Technology Challenge

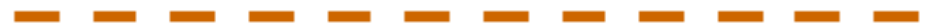
Only Crossbeam 'X'
Architecture Matches
Stateful Application Service
Performance to Optical
Connections



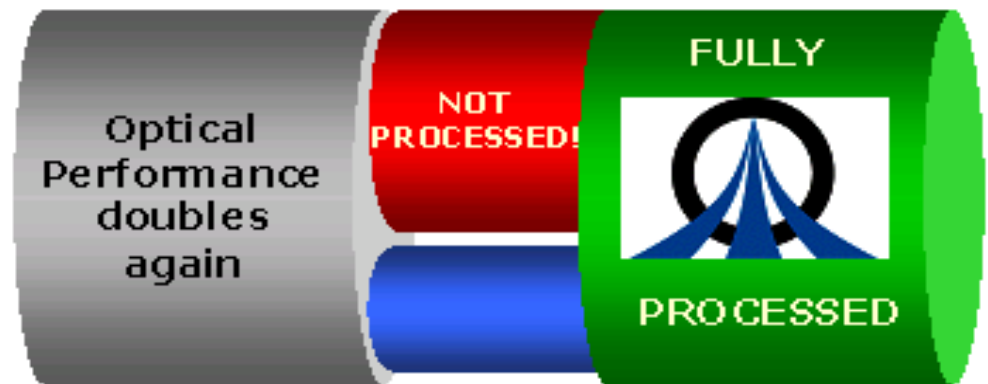
Transport Layer Application Layer



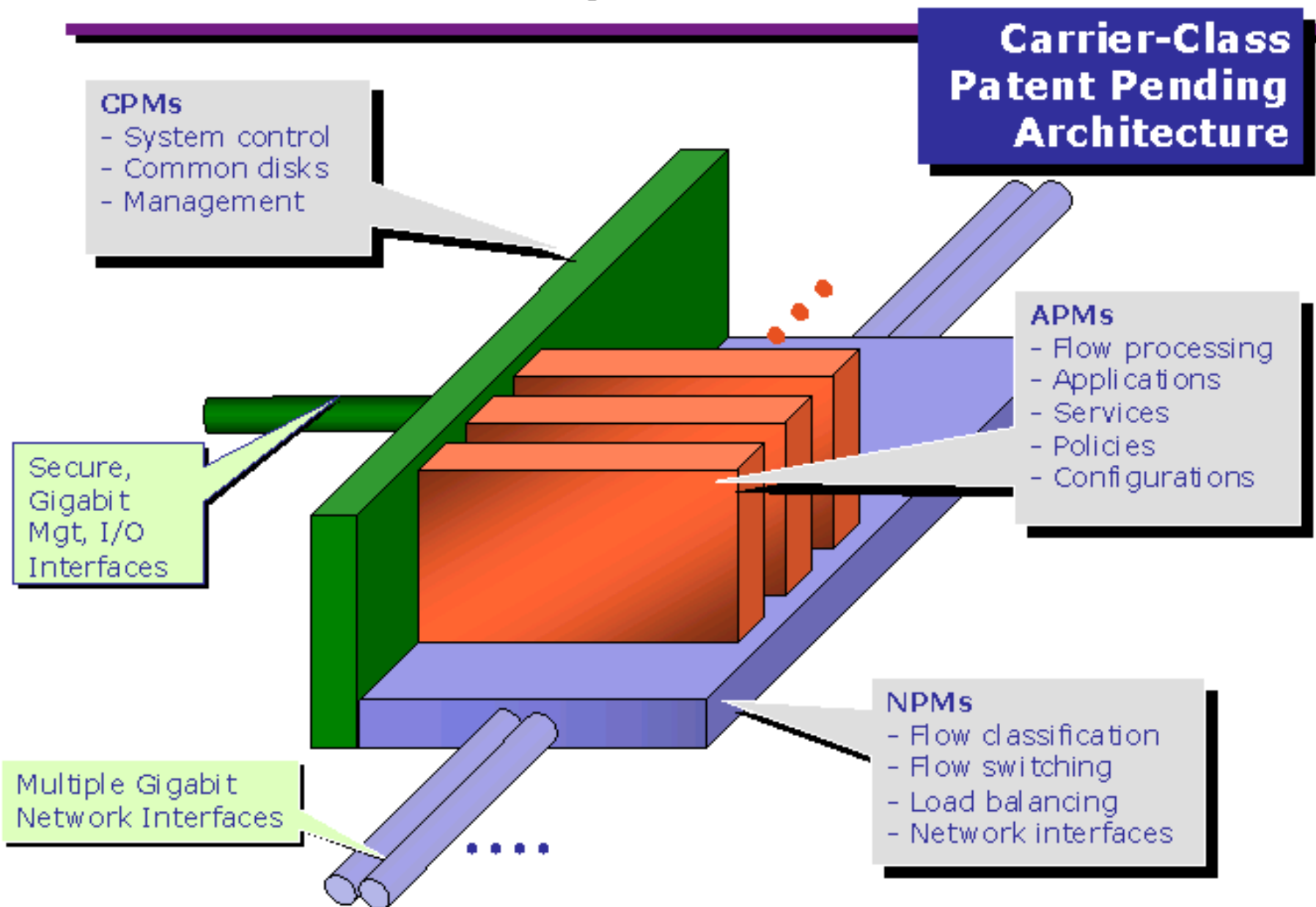
Copper-based Transport



Optical-Based Transport



Architectural Subsystems



Tighter Integration Enables Better Resource Utilization

