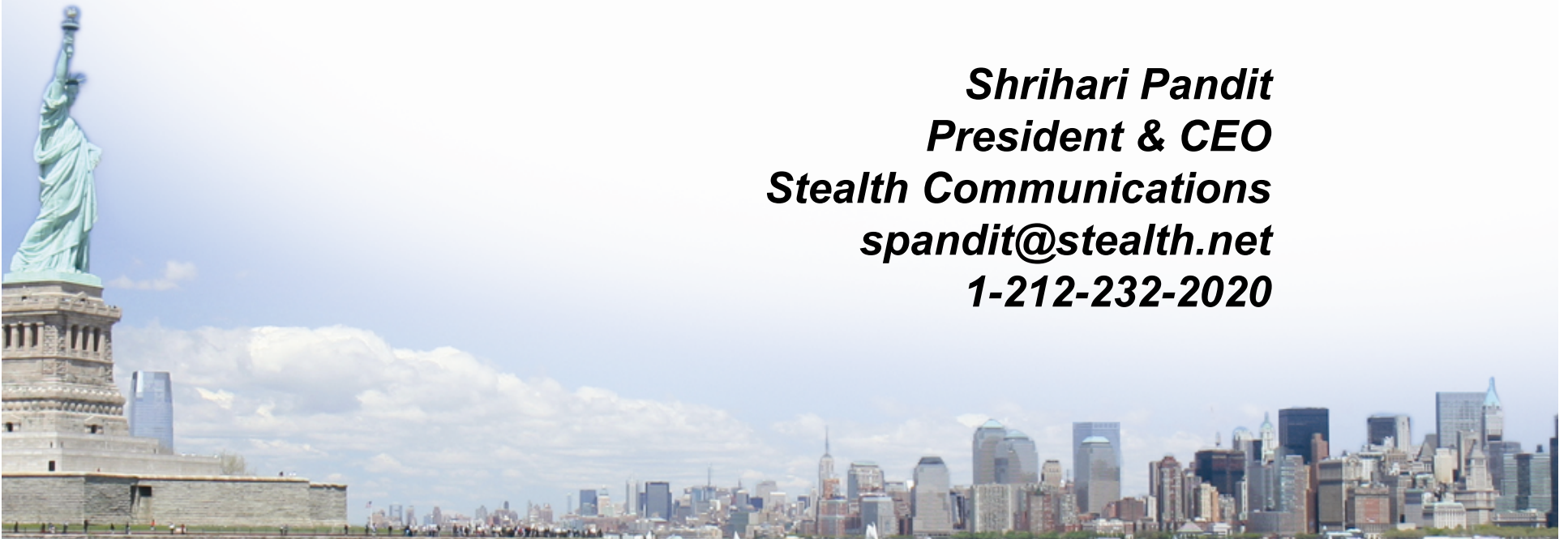




Welcome to NANOG43

Big APE & VPF

Shrihari Pandit
President & CEO
Stealth Communications
spandit@stealth.net
1-212-232-2020





Connecting is a swing away



Big Apple Peering Exchange
It's a jungle out there.

Background

- Launched in 2001 as NY6IX
- Distributed IX with nodes @
60 Hudson, 111 8th Avenue, 25 Bway
- For the exchange of native IPv6 traffic

NY6IX is now Big Apple Peering Exchange

- Big APE created in April 2005 with a mission to provide high-performance, low-cost peering services in NYC
- Force10 and Telx are sponsors of the service by providing equipment, space and power
- NY6IX merged into Big APE in Q4 2005

Topology

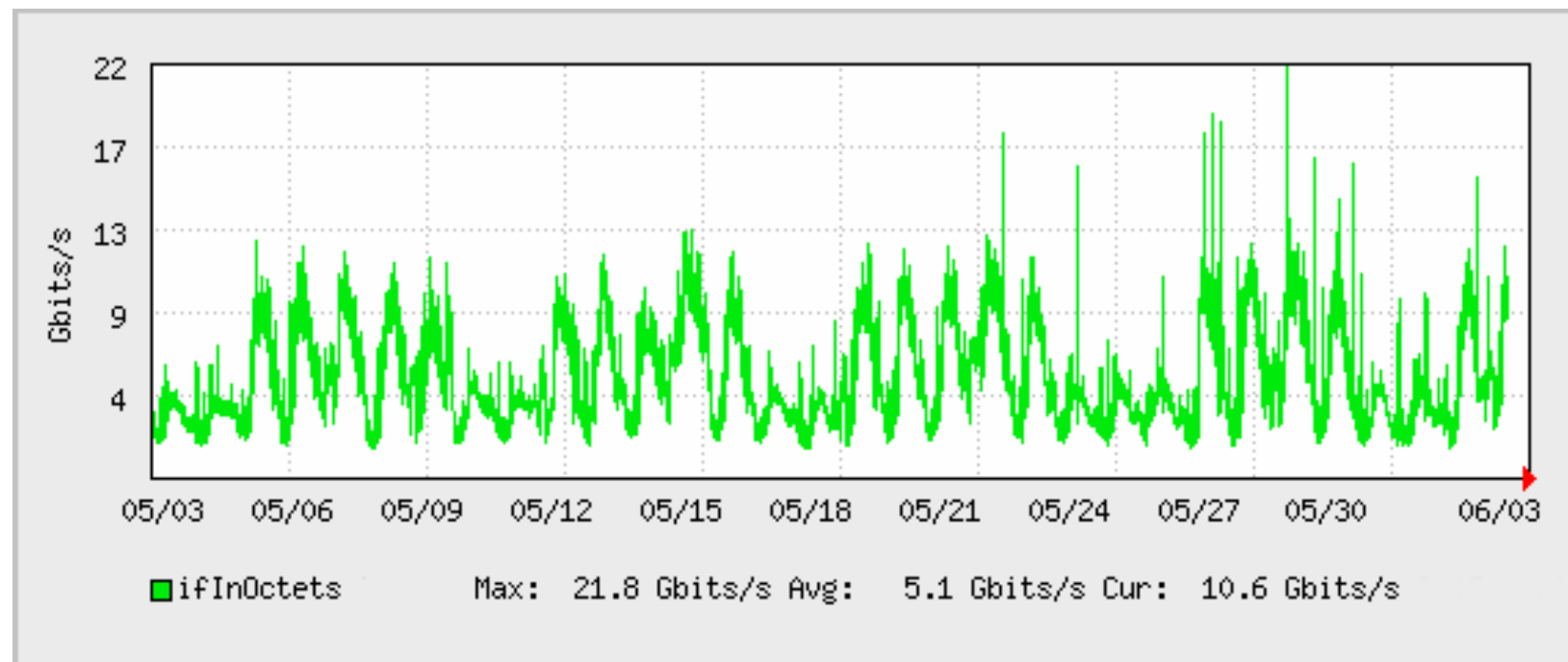


Addressing Supported by Members

~ 16 IPv6

~ 23 IPv4

Traffic Statistics - 30 Day View



Business Model

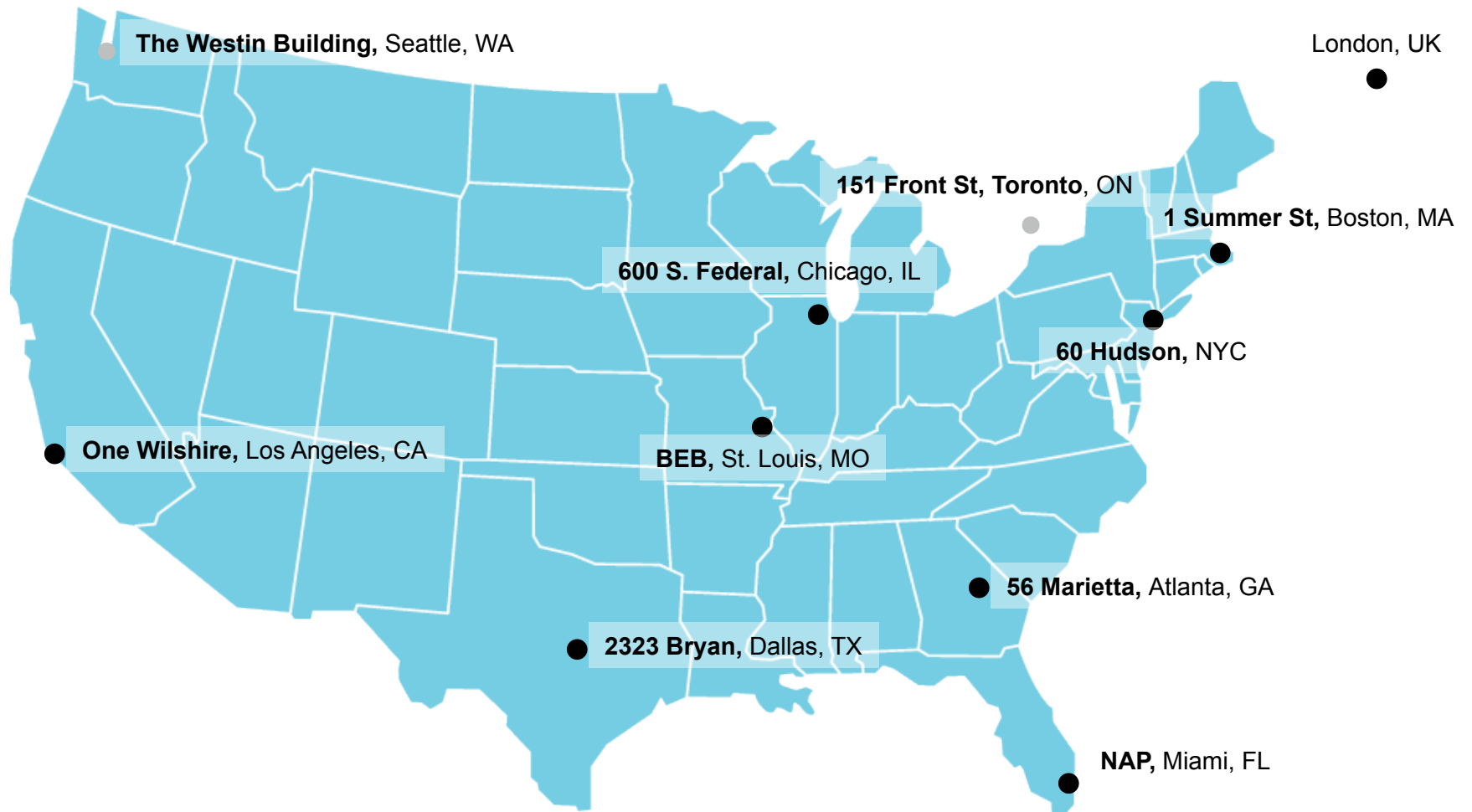
- Cost Recovery Model
- 1 Gbps Ports are \$1,000 annually
- 10 Gbps Ports are \$2,500 annually + \$15,000 one-time



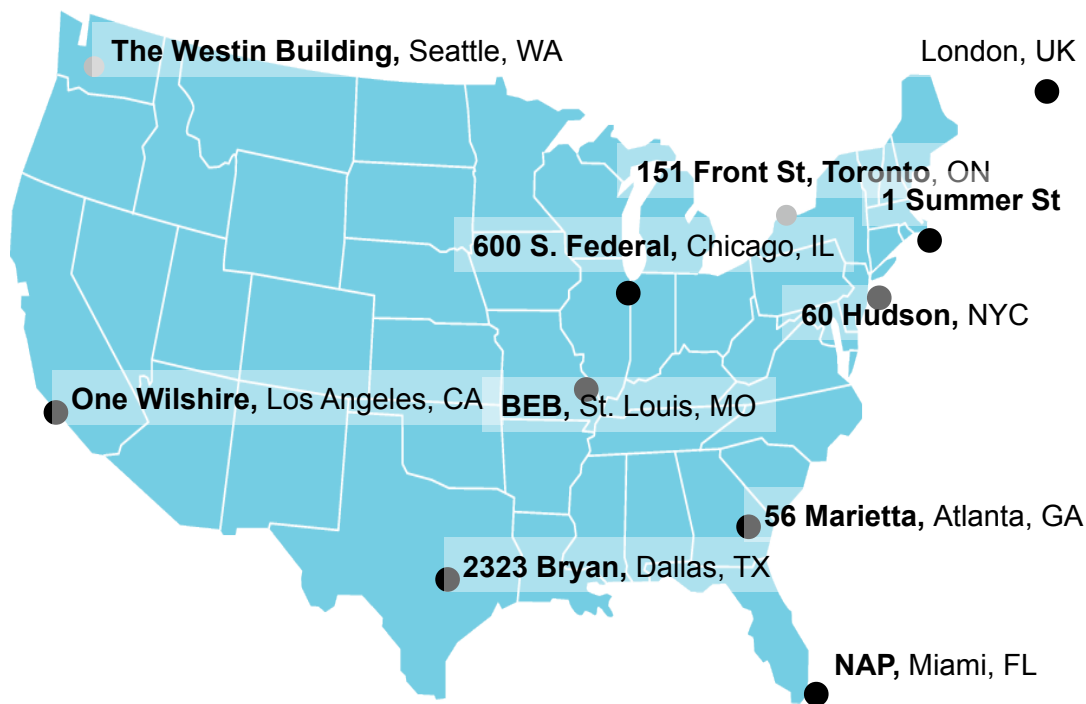
Background

- An IX-like service
- For the exchange of VoIP traffic
- Started at Telx 60 Hudson Street

Distributed IX for VoIP



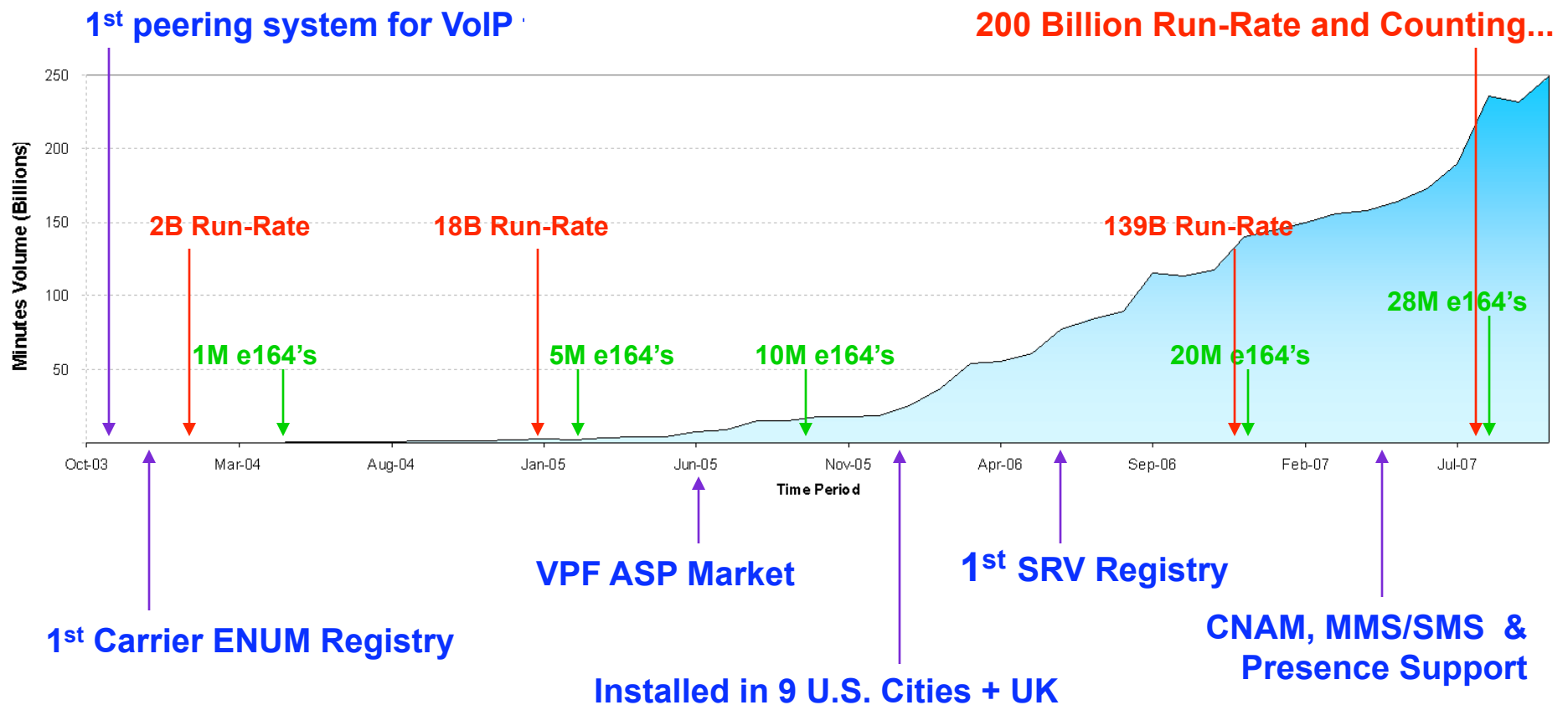
Distributed IX for VoIP



- Protected Wavelengths
- Ethernet over Wave (without adoption layer)
- 1:1 (Non Overbooked)
- LACP (Bonding Multiple Wavelengths)

Statistics

Voice Peering Fabric Run-Rate (30 Day Moving Average)



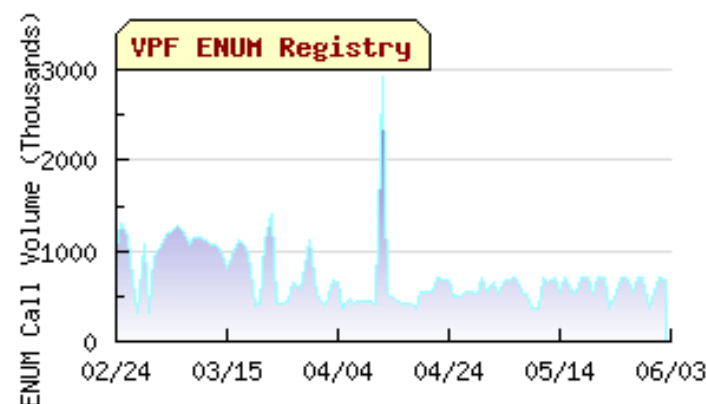
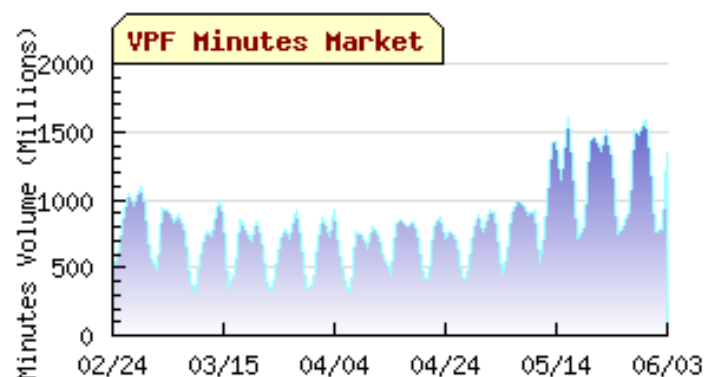
Voice Peering Fabric (VPF) Statistics

Data based on **Jun 02 2008**, Updated daily.

Daily Volume

Minutes Peered: 1,337,297,416

ENUM calls: 691,364



Annual Run Rate

Annualized run-rate based on 30-day moving average.

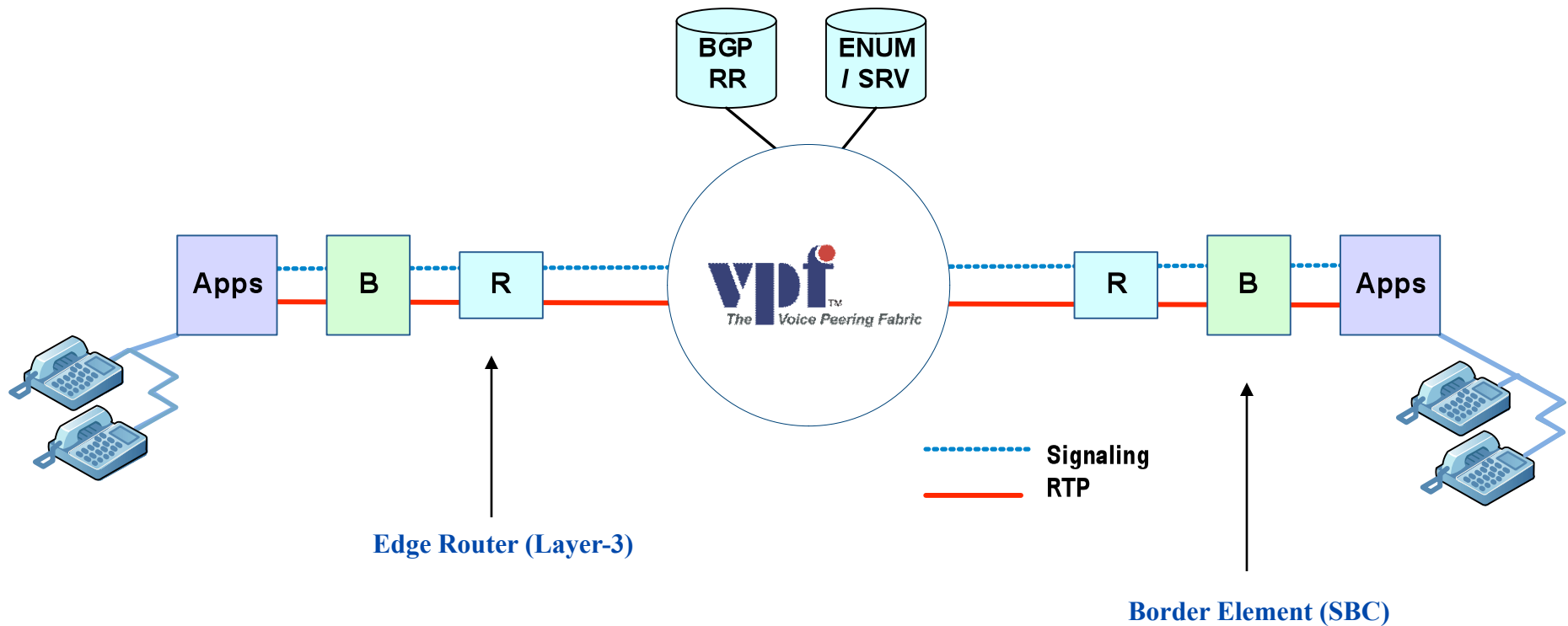
Minutes Peered: 393,652,664,980

ENUM Calls: 235,478,627

Methodology and Data Collection

For each minute, the Voice Peering Fabric is measuring the amount of RTP traffic that enters the fabric from each VPF Member port. Each one-minute bandwidth sample represents the total volume of calls. This number is then divided by the bandwidth usage of the G.711 codec to determine the approximate number of minutes in the one-minute bandwidth sample.

Real Life Implementations from the VPF



Q&A?

Shrihari Pandit
President & CEO
Stealth Communications
+1-212-232-2020
spandit@stealth.net

*Thank
you*

For more information, visit: www.bigape.us & www.thevpf.com