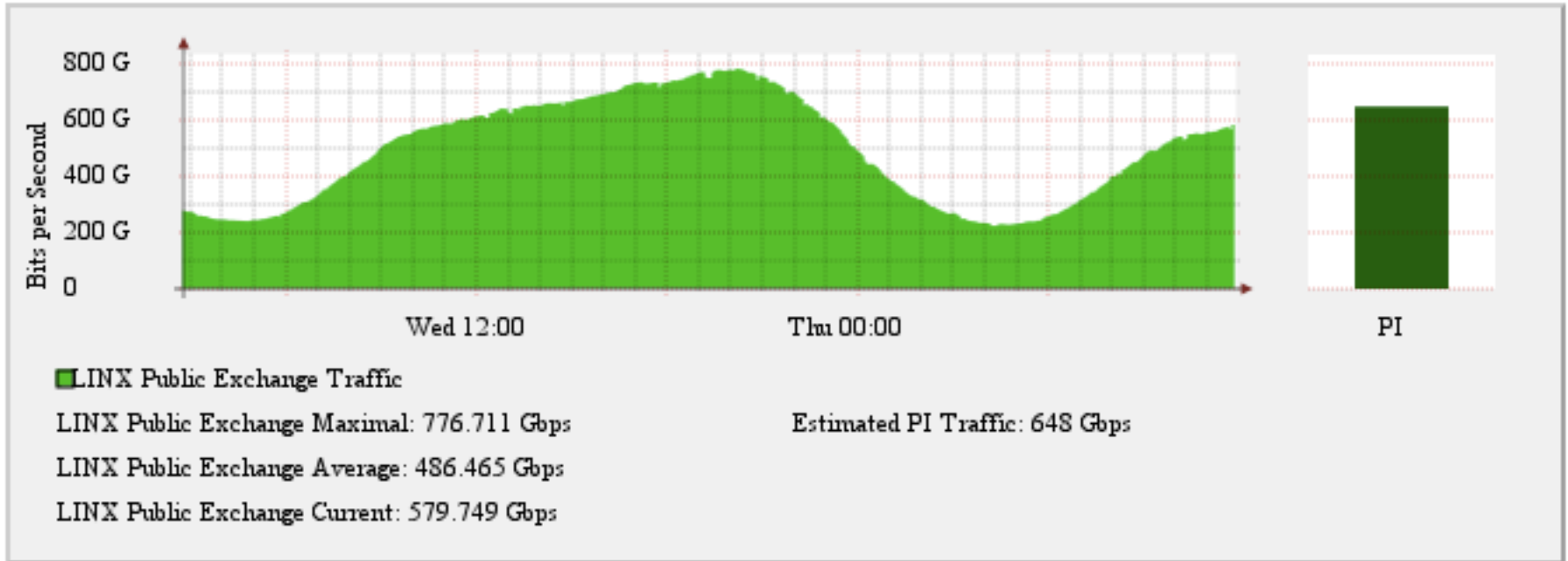


# **The London Internet Exchange (LINX)**

**Bartek Raszczyk**  
Senior Network Engineer

# Total LINX Traffic

## 'Day' graph (5 Minute Average)



**Over 640Gbps on our PI infrastructure... almost equalling total traffic on our Brocade LAN!**

**50 new member applications so far  
this year**

**372 connected members in total**

**288 connected 10GE member ports**

# **New Network Architecture 2011**

- VPLS**
  - Fast failover**
  - Optimal routing**
  - Loop protection**
  - Traffic engineering options**
- Single underlying redundant network platform**
- Improved redundancy options for members**
- Use existing dark fibre and DWDM infrastructure**

# Full VPLS Pros & Cons

## Pros

- Equality of service across all sites
- No “2 tier” system
- New redundancy model applies to all sites
- No running with hybrid architecture
- Ability to build some elements “greenfield”

## Cons

- Capex intensive year
- Increased installation/build work
- Short period of maintenance/planned outage

The background is a dark gray color with a complex, repeating pattern of light gray geometric shapes, including triangles and lines, creating a textured effect. Scattered throughout the background are several solid black circles of varying sizes.

# Questions?