



# NNENIX

NORTHERN NEW ENGLAND  
NEUTRAL INTERNET EXCHANGE

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- ❖ Internet Exchange Point (IX, or IXP) - a place for network operators to peer with each other
- ❖ Non-profit organization (501c3 applied for), volunteer based
  - ❖ Educational mission (educational meetings, training sessions)
- ❖ Support from Maine Fiber Company - Thank you!
  - ❖ Donation of space and power for 1st year
  - ❖ Loan to cover startup expenses (\$10k)
- ❖ Donation of Cisco Nexus 9396 and 3524 switches from Packet Clearing House, a non-profit dedicated to fostering IXPs around the world



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- ❖ NNENIX is open to membership by any organization that runs BGP routing with an ASN, including ISPs, educational institutions, healthcare, enterprises businesses.
- ❖ Benefits are many - latency, cost, capacity, resiliency:
  - ❖ Avoid “boomerang effect” - local traffic stays in Maine
  - ❖ Access to content caches - Netflix, Akamai, Google day 1 (30-50% of residential ISP peak traffic) can come from the exchange instead of transit.
  - ❖ root DNS server instances - lower latency, redundancy
  - ❖ More CDNs will join in future & larger carriers



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- ❖ NNENIX future plans include physical presence in Bangor region, and expansion to New Hampshire (Manchester, Hanover) and Vermont (Burlington)
  - ❖ Diversity and redundancy, Nx10 GigE waves desired
  - ❖ University of Vermont wants to host us in Burlington
- ❖ Want to help? Become a member (buy a port, or two)
- ❖ Additional support in the form of switch equipment, transport waves, colo space, cash, and volunteer technical operations all gratefully accepted



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## **New England Peering Forum & Boston Network Operators Group (BOSNOG) Meeting**

June 2nd, 2017 in Cambridge, MA

Full day event with both non-technical and technical content all about Internet peering & making the Internet better everywhere

Folks representing Mass IX, Boston IX, NNENIX,

Halifax IX & content providers & networks

<http://www.bosnog.org> for detailed announcement soon