NAT64 Testing

IETF100 Hackathon

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The Goal

- Test various applications on NAT64
  - Widely used applications
  - Based on previously reported bugs
- Testing/troubleshooting environment
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<th>iOS</th>
<th>Android</th>
<th>Windows</th>
<th>Web based</th>
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<td>Jabber</td>
<td>Etherpad</td>
<td>Skype</td>
<td>Signal</td>
<td>Telegram</td>
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<td>Air Display</td>
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- **Meeting Technologies**: Meetech
- **Instant Messaging**: Jabber
- **Collaboration Tools**: Etherpad
- **Communication**: Skype
- **Secure Communication**: Signal
- **Chat App**: Telegram
- **Music**: Spotify
- **Email**: Outlook
- **File Sharing**: Dropbox
- **Display**: Air Display

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**TBT** indicates availability.
VPNs

- OpenVPN: OK
- Cisco corporate VPN: OK
- Some corporate VPNs have issues:
  - Not up-to-date versions
  - Not configured for v6 support
- Split tunnel considered harmful
Other Positive Results

- Telegram IM (ex. for web key generation)
- Appear.in
Other Issues Discovered

- Steam does not work
- Check your ssh configs for "host * family inet" ;)


Millions Other Things Yet to Test

- Other VPNs
- Millions of IMs
- Your favorite application
I WANT YOU TO USE IPv6
— Vint Cerf