

# **Welcome to the 4th BGP Tools BOF!**

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# The Goal

- Sharing some tools develop from our research efforts
- Solicit inputs from the operational community
  - your comments about the tools we have built/are building
  - your needs for new tools

# The Agenda

- *Routing Configuration Checker*  
by Nick Feamster
- *O-BGP Data Organization Tool*  
by Dan Massey
- *The Datapository* by Nick Feamster
- *Visualizing BGP dynamics using Link-Rank* by Mohit Lad
- Open discussions and demos

# Routing Configuration Checker

- Configuration analysis can help network operators determine whether a network's behavior matches the network operator's expectations and achieves the intended security policies.

# O-BGP Data Organization Tool

- The Organized BPG project (O-BGP) has developed software to organize BGP logs into a common format and add labels for fast data retrieval and analysis.

# The Datapository

- Datapository, a collaborative network data analysis and storage facility, is currently used by researchers at Georgia Tech, Carnegie Mellon, U. of Michigan, Princeton, and MIT and has been used by operators in the past to provide additional network visibility.

# Visualizing BGP dynamics using Link-Rank

- A short talk for a quick recap about Link-Rank, with an ongoing routing event as a case study, and description of ongoing efforts.

# Open Discussions & Demos

- The developers of all the tools are here to answer your questions
- Go check out the tools!