

Welcome to the BGP Hackathon

What you are supposed to have configured already

- Your internal IP addresses
- OSPF
- iBGP (full-mesh)

Goals

1- Configure the eBGP sessions with your neighbors

1.1 - Negotiate what IP address to use for your eBGP sessions

1.2 - Only advertise your /8 (not your /24s !)

1.3 - A router only advertises a prefix if it knows how to reach it
-> To advertise your /8, you must configure a static route to null

1.4 - Do not forget the next-hop-self

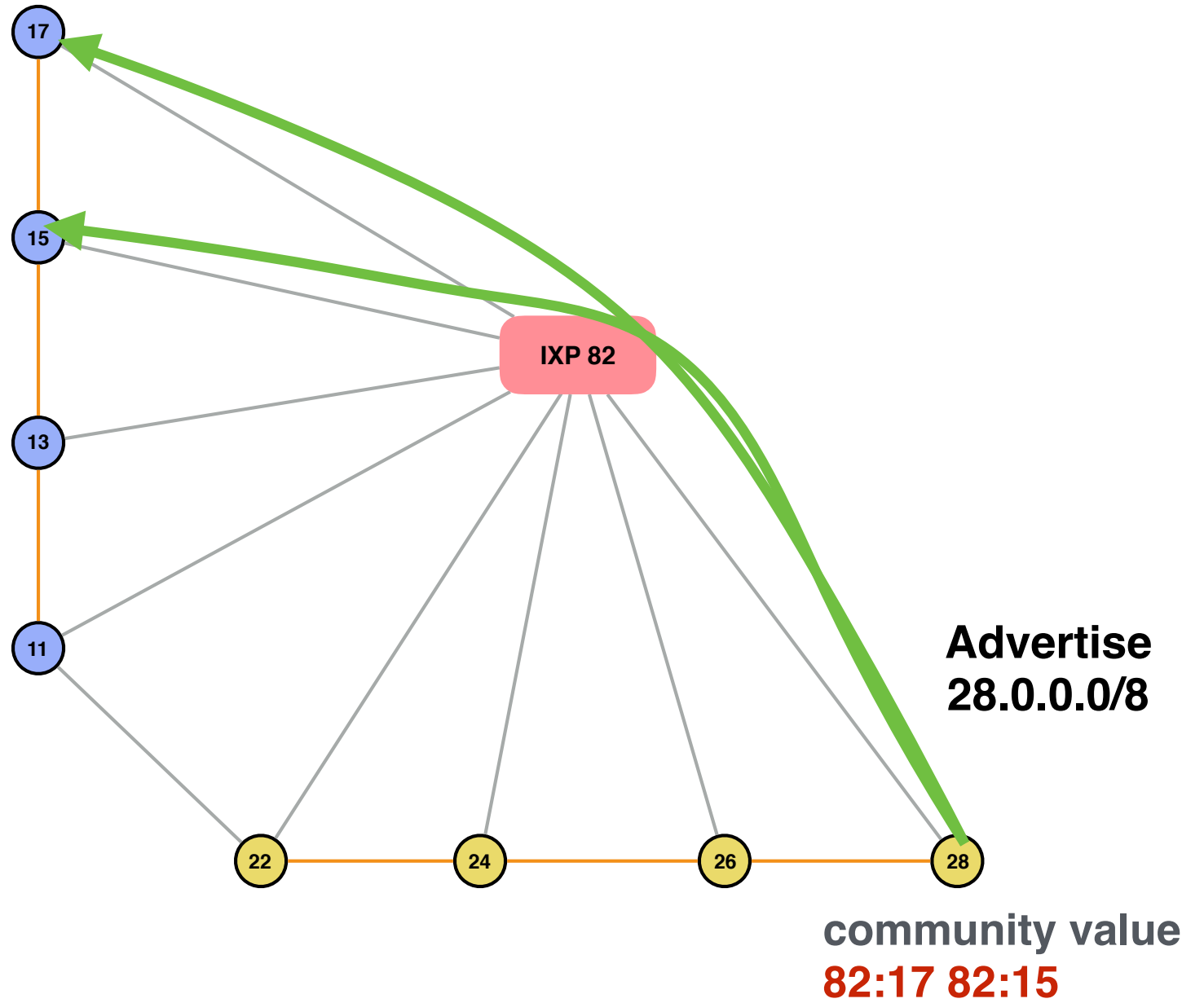
1.5 - Check with a « sh ip bgp » that you receive the prefixes from you neighbors. Then try a traceroute.

Goals

2 - Use the IXP to advertise your prefix

2.1 - To advertise a prefix to another AS through the IXP, you must use the community value attribute

When you change your BGP policy, you may need to run a « **clear ip bgp *** » to force the router to use the latest config



**If you are done,
feel free to start configuring your BGP policies**