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Af-IX



Agenda

- General
- One big special thing
- Verifying routes in Route Servers
- Value-add

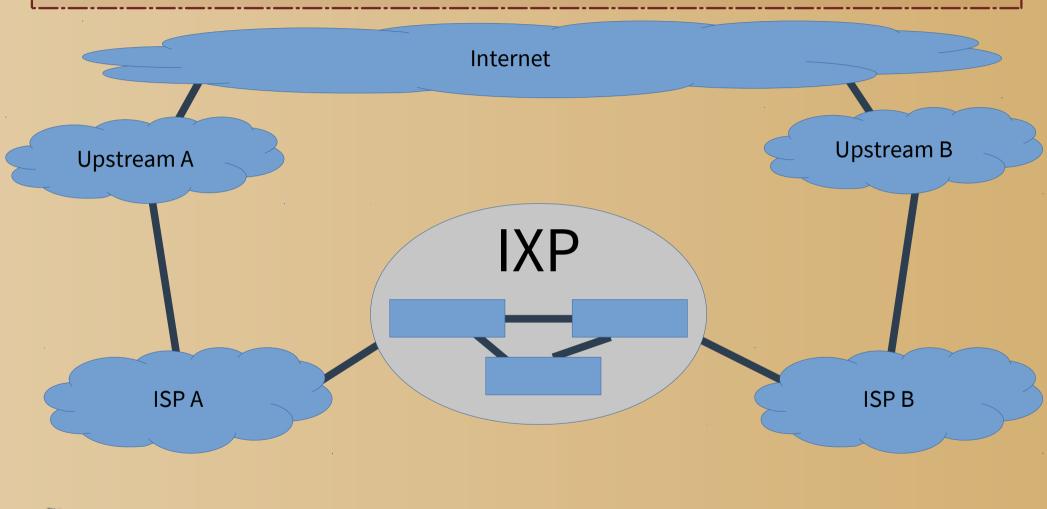


secure Switches, routers, servers

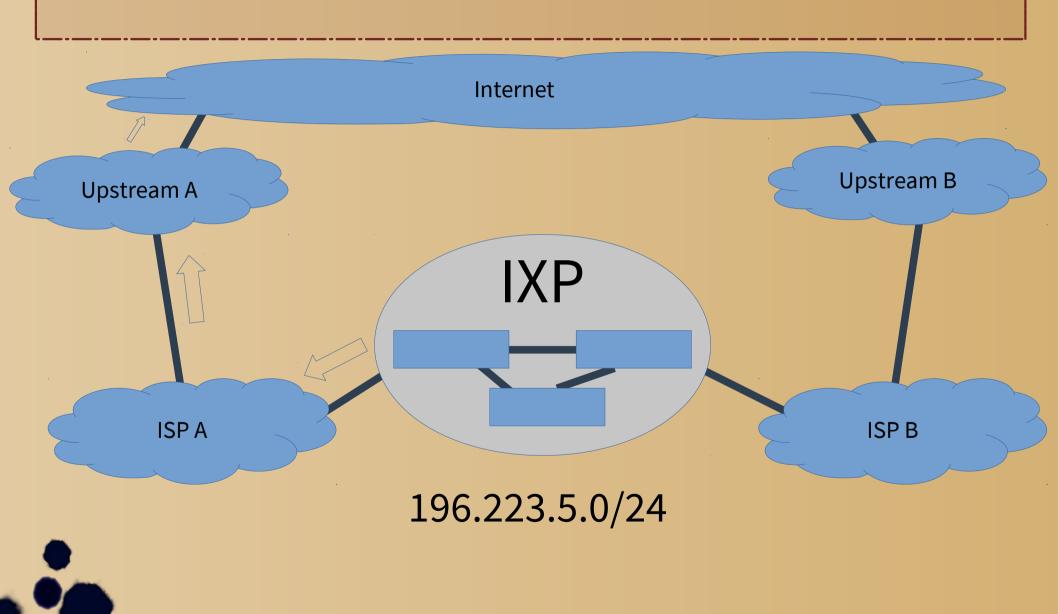
An IXP doesn't implement "security" (for others). It makes everything faster, also bad things. ISPs and End Users should take care of security.

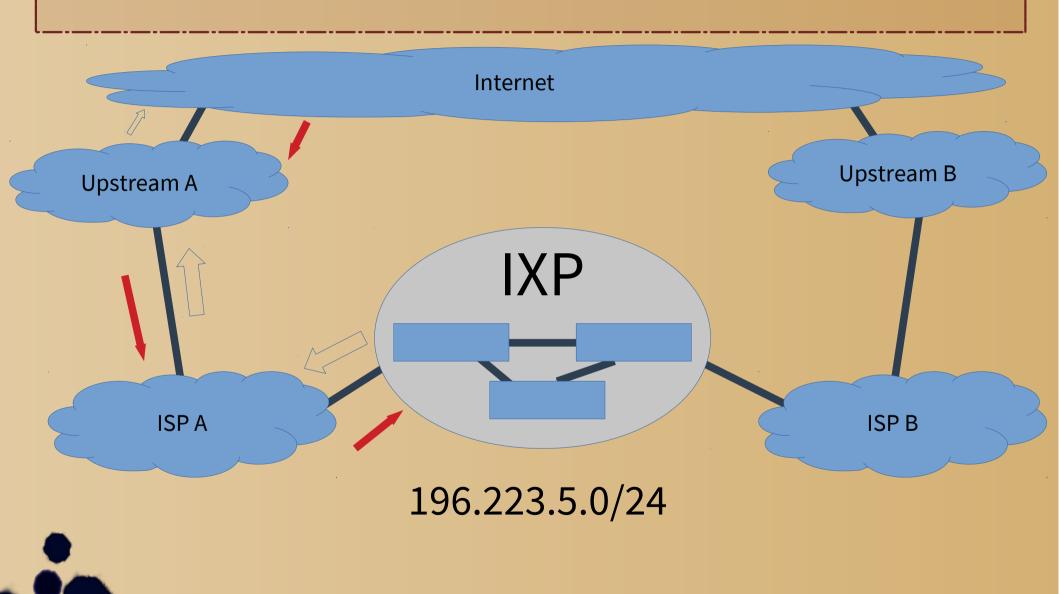
IXP connections should be treated as untrusted outside connections.

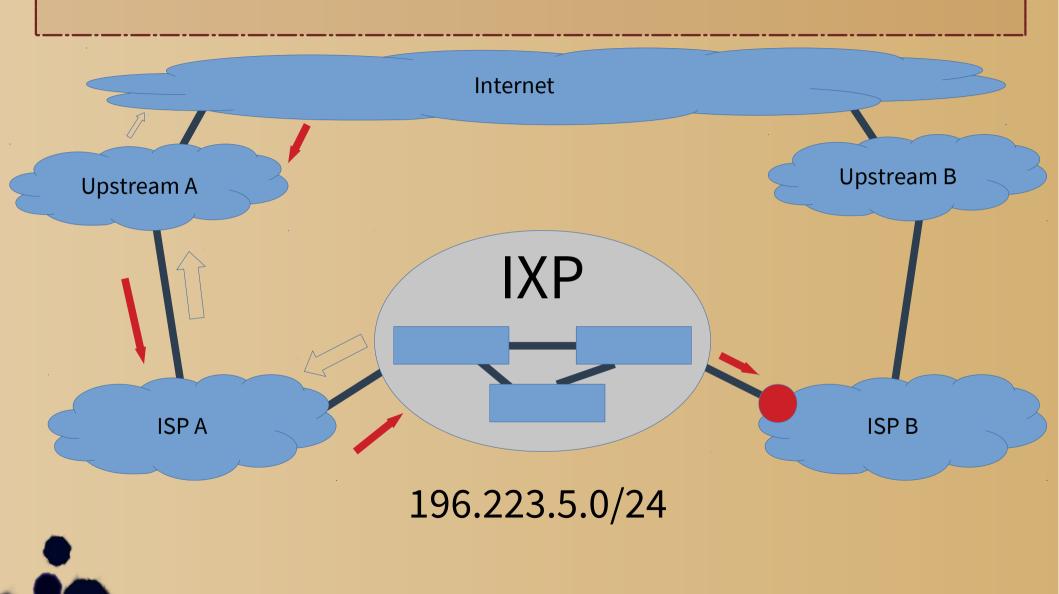












Do not advertise your IXP peering LAN subnet to anywhere.

The only devices that need to know it are the directly connected ones.

Peers should use next-hop self in iBGP.



For all needs that are not Public Peering:

- get a separate address block,
- announce it to every peer,
- get many peers to donate IP Transit for this block
- put your statistics collector, website, monitoring,
 rancid, cacti, IXPManager, sflow collector, etc there



Verifying routes in Route Servers

- •I recently asked an IXP to check what they accept from peers into their Route Servers
- •I do keep Cisco prefix lists manually maintained
- •I am in the process of changing to BIRD
- want to also automatically update filters based on IRR data



Security as Value-add in IXPs

- •It's not in the core of the functions of an IXP
- But IXPs are places with a lot of diverse networks connected
- Co-operation to find or investigate security issues



Thanks.

Questions?

