### Building an IXP

RIPE NCC Regional Meeting, Dubrovnik, Croatia

8<sup>th</sup> September 2011

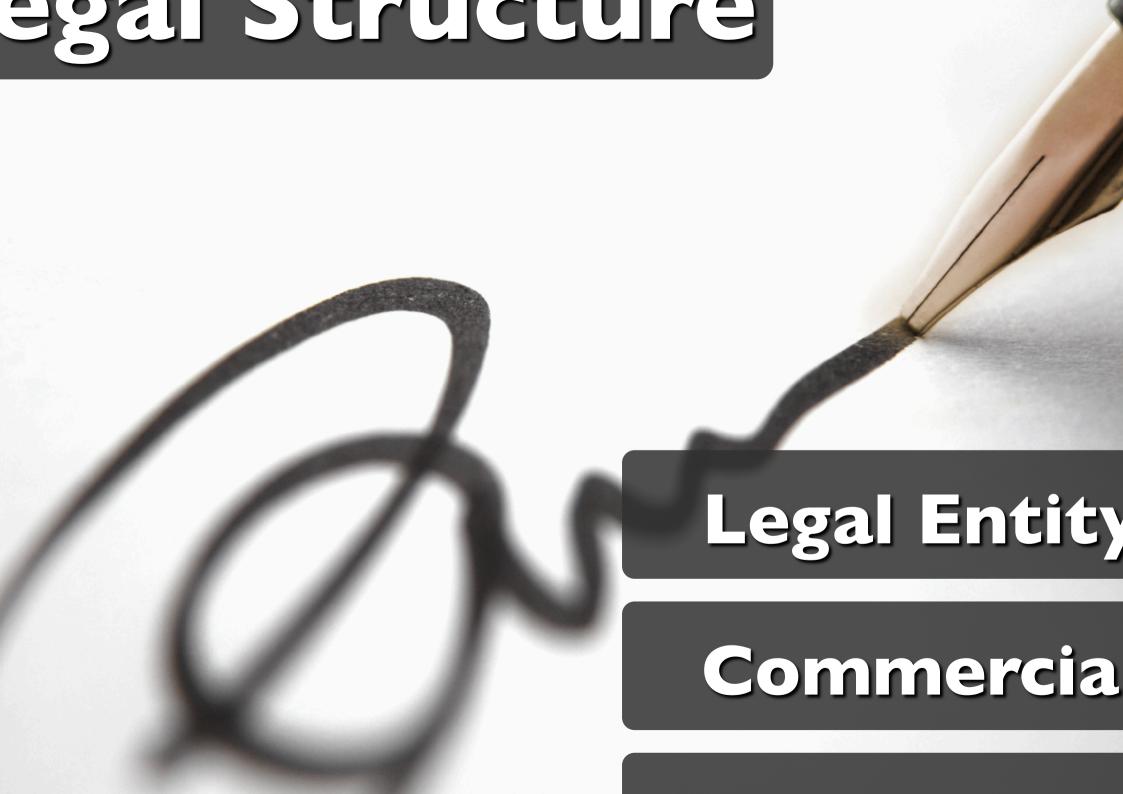
### Agenda

- Before you buy a switch
- After installation, before customers
- Turn up customers!

# Before you buy a switch









#### RIPE NCC RIPE NETWORK COORDINATION CENTRE

R Portal

About The RIPE NCC

Vlem

4 • IPv6 • AS Numbers • Direct Assignments

re here: Home > LIR Services > Resource Management

#### source Management

ormation to help RIPE NCC Members (LIRs) d Direct Assignment users manage Internet mber resources.

#### /4 Exhaustion

h the remaining IPv4 address pool held by the Internet signed Numbers Authority (IANA) exhausted, what spens now?

Read More

# Resources

#### Quick Links

Request Forms & Supporting Notes

**IPv4** Evaluation Procedures

IPv4

#### **End User Contra**

Can I split up assignments? How and when do request an alloc

Number?

No PI from last

CHIMIDES



#### Spanning Tree

MRP

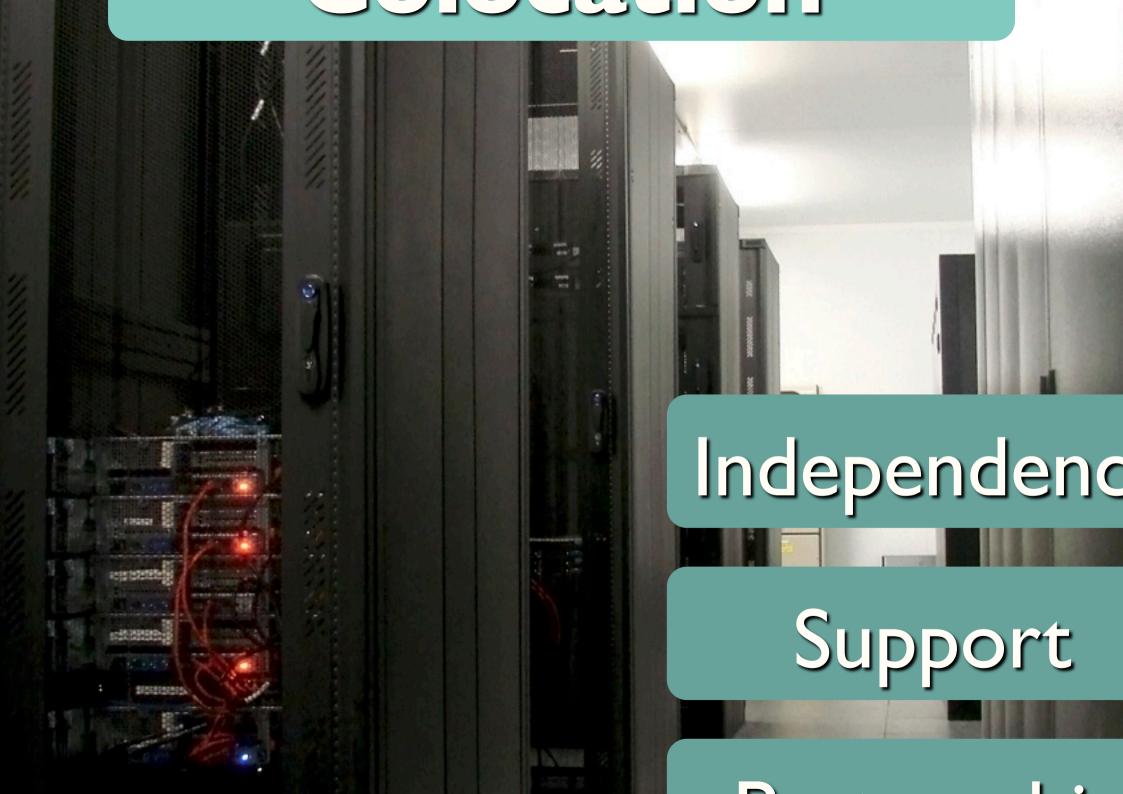
# Layer 2 Resilience Protocols

**EAPS** 









# Collector (BGP Router)

Debug

Monitor

Support

## After

## installation

# Monitoring

Availability

Performance

Ethernet OAM



# SFIOW

Customers

Top Peers

Exchange

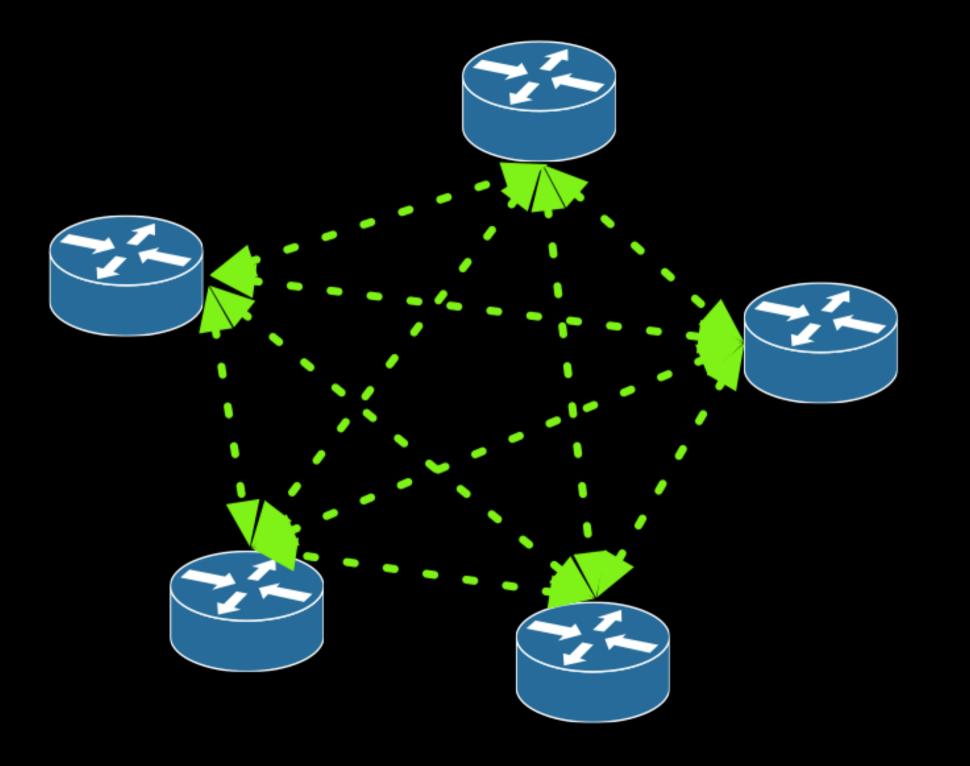
Marketing
Resilience
Missed Ops

#### ervice Levels

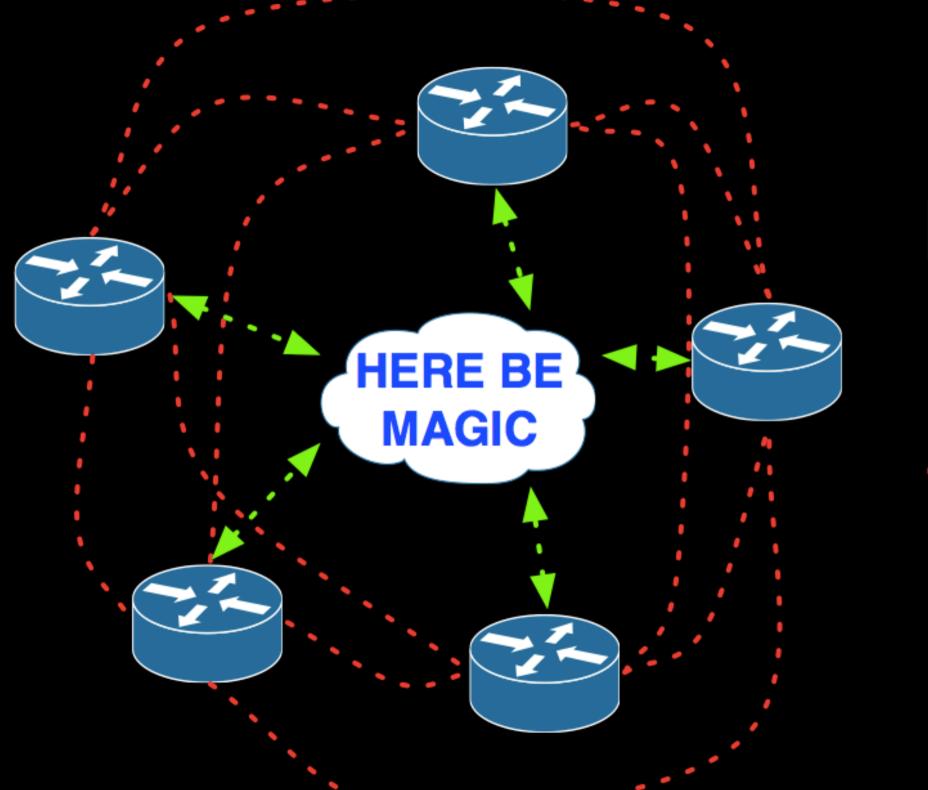


# ommunications | Tech Support Organisation



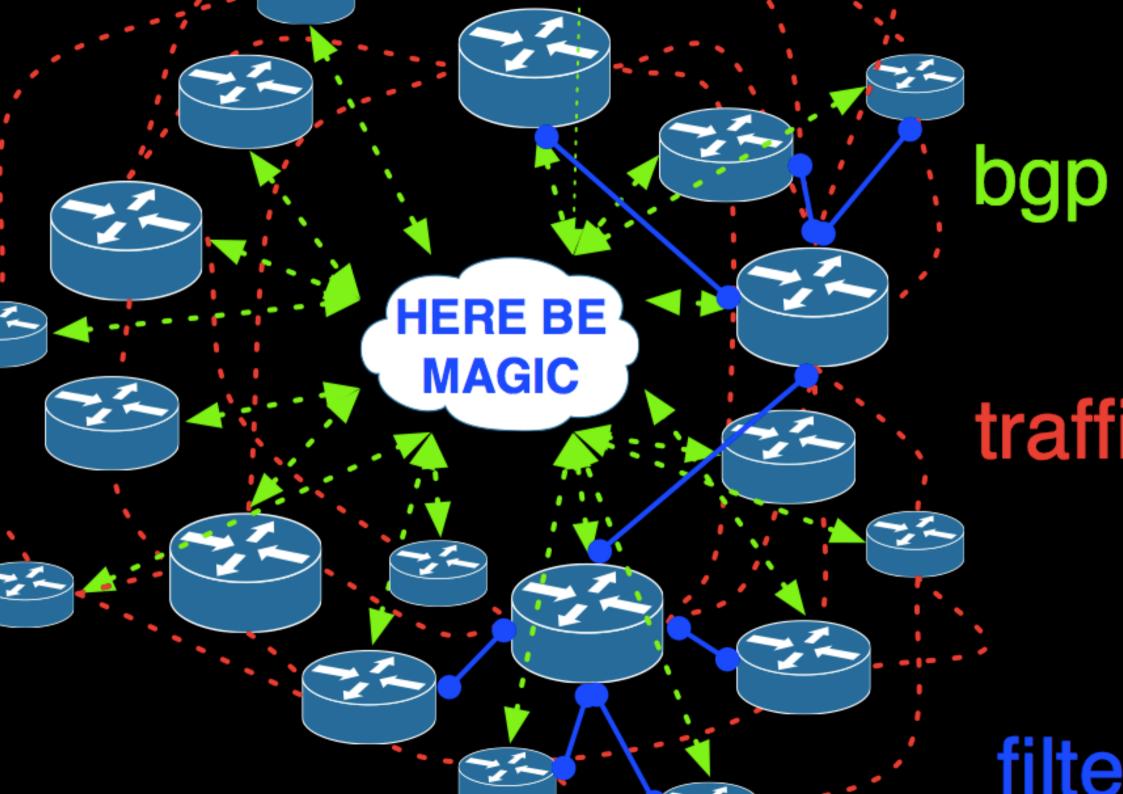


#### bgp



bgp

traffi



# Turn up customers!

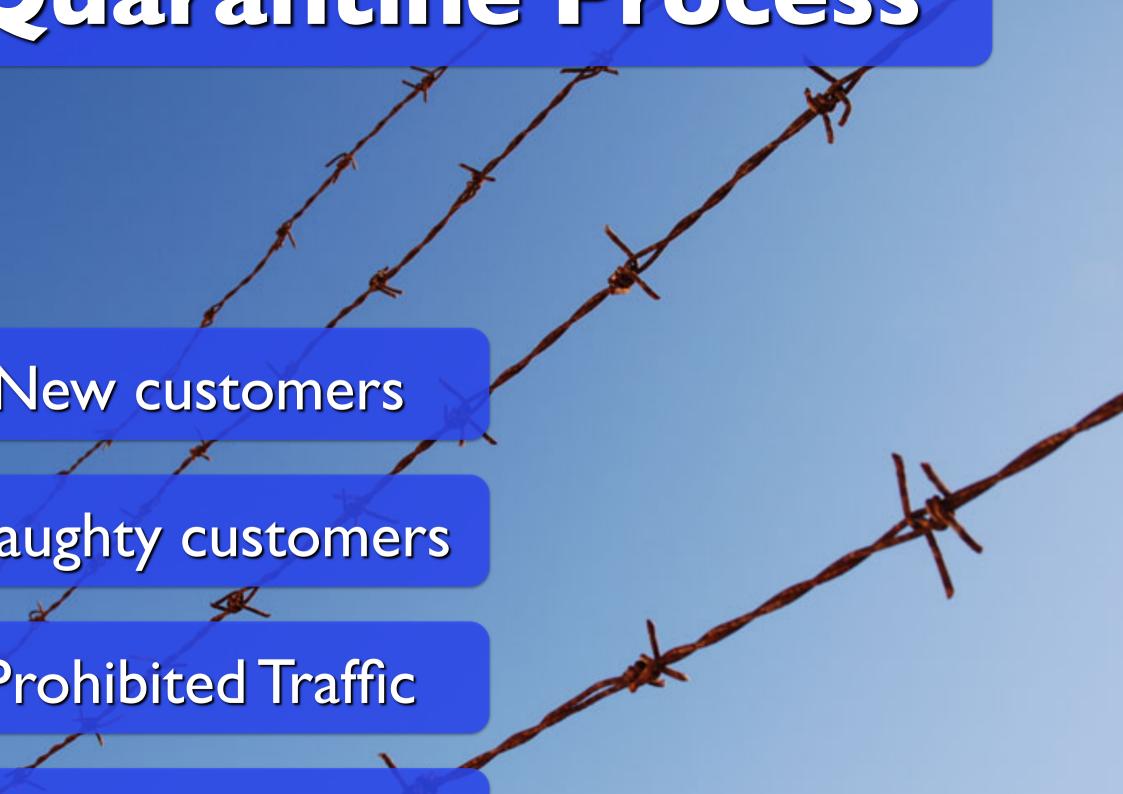
#### Announce

Monitor

Connection

Quarantine

bling



2 3 4 5

#### Offer IPv6

From day one

Same service



## ARP Sponge



# Any Questions?

adavidson@he.net +44 | | | 4 3 | 90605