

# “Those Kids should get off of my Internet”

## Revisiting debates on digital lawn

Tobias Fiebig

(Not speaking on behalf of my affiliation but as an independent member)

# VERY much into Meowmeow



# Personal ASNs



VIRT03.DUS01.AS59645.NET



VIRT02.DUS01.AS59645.NET



VIRT01.DUS01.AS59645.NET

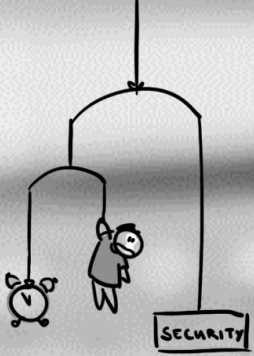


E-Mail: [contact@as59645.net](mailto:contact@as59645.net)

Phone:

# Multiple-Times-Offender





# The Arguments

# 1. Make the Internet worse by being badly run

## Claim

- Personal ASNs are only run by people who do not know what they are doing
- They blow up the GRT and leak routes
- Low MTUs

## Reality

- There is good & bad in personal ASN operations
- I still need to meet a pASN deaggregating their /16 just 'because'
- All really bad stuff I saw so far was not with pASNs
- Those damn pASNs with their 1492 MTU...

<Slide redacted to protect the guilty>

## 2. Do not help but hinder IPv6 Deployment

### Claim

- pASNs make IPv6 deployment worse, because it keeps operators from rolling out IPv6
- They should just use HE tunnels

### Reality

- The 1000-ish personal ASNs that there are wouldn't even make a v6 business case if they all were in *one* ISP
- *(If you want to reduce the RT size, just drop v4; Plop, ~1M routes saved)*



# 3. Virtual Internet Exchanges are useless

## Claim

- Virtual IXPs are useless

## Reality

- Yes

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## Claim

- Virtual IXPs are useless

## Reality

- Yes
- But let people have some fun

# 4. Just go for DN42

## Claim

- People should just go for DN42 if they want to learn about BGP et al.!

## Reality

# What is DN42?

## DN42

- Tunnel based overlay network (Mostly GRE and Wireguard)
- Ran out of RFC1918 IPv4 addresses and struggles with low IPv6 Adoption
- Has an issue with legacy allocations, often being dormant
- Registry accuracy 'could often be improved'
- RPKI and proper route filtering is often 'somewhat of an issue'
- ...

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## *Real* Internet

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- Ran out of IPv4 addresses and struggles with low IPv6 Adoption
- Had an issue with legacy allocations, often being dormant
- Registry accuracy 'could often be improved'
- RPKI and proper route filtering is often 'somewhat of an issue'
- ...

# 4. Just go for DN42

## Claim

- People should just go for DN42 if they want to learn about BGP et al.!

## Reality

- Well, technically, sure.
- "OSPF is *amazing*, because it allows you to *break your own network* in ways you do *not understand*. BGP on the other hand allows you to *break everyone's network* in ways *nobody understands*."

# 4. Just go for DN42

## Claim

- People should just go for DN42 if they want to learn about BGP et al.!

## Reality



# 5. *Shady* LIRs are selling PI to *CHILDREN*

## Claim

- Shady LIRs Push PI and pASNs, even to *CHILDREN*!
- All to make a profit!
- Not enforcing policies!

## Reality



# 5. *Shady* LIRs are selling PI to *CHILDREN*

## Claim

- Shady LIRs Push PI and pASNs, even to *CHILDREN*!
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- Not enforcing policies!

## Reality



# 5. *Shady* LIRs are selling PI to *CHILDREN*

## Claim

- Shady LIRs Push PI and pASNs, even to *CHILDREN*!
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- Not enforcing policies!

## Reality

**Request**

Inquiry Type  
↓  
Sponsorship Inquiry (ASN/IPv6) ▼

Personal Information

First Name \*  
John

E-mail \*  
jdoe@example.com

Country of Residence \*  
NL  
(ISO-3166 2-character country code)

I am NOT a minor and CAN legally sign.

Minors can still request resources!



← Silvan selling ASNs & PI to six year olds on a playground

# 5. *Shady*' LIRs are selling PI to *CHILDREN*

## Claim

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## Reality

- RIPE-637 requires a contractual relationship
- RIPE-812 codifies 'natural person'
- If *minors* could not be members, they could not join a soccer club



Silvan selling ASNs & PI to six year olds on a playground

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Silvan selling ASNs & PI to six year olds on a playground

## Reality

Don't have this? We can sponsor it for you.  
Our pricing for this is as follows:

Type	Initial cost	Yearly-recurring cost
ASN only	€90	€60
PI only	€115	€85
ASN + PA	€90	€60
ASN + PI	€175	€145

Last pricing update: 2024-05-31  
Yearly fees are charged in Q1

# 6. PA is abuse for PI Purposes

## Claim

- PA is being abused as PI

## Reality

- Yeah

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## Claim

- PA is being abused as PI

## Reality

- Yeah
- Where is your policy proposal?
- Mine:  
<https://www.ripe.net/community/policies/proposals/2024-01/>
- Already was an issue in IPv4, which now bites End-Users

# 7. pASNs are used to pollute the DB & abuse policy

## Claim

- pASNs do BAD things like try out XSS, breaking parsers and stuff!
- Database graffiti!
- They abuse policy!

## Reality

# 7. pASNs are used to pollute the DB & abuse policy

## Claim

## Reality

Overview

Prefixes

Connectivity

Whois

IX

```
aut-num:          AS59645
as-name:          WYBT-NET
org:              ORG-TF84-RIPE
descr:           Making it ping and putting the 'Mau' into 'meowmeow'.
```



# 7. pASNs are used to pollute the DB & abuse policy

## Claim

- pASNs do BAD things like try out XSS, breaking parsers and stuff!
- Database graffiti!
- They abuse policy!

## Reality

```
#
# The contents of this file are subject to
# RIPE Database Terms and Conditions
#
# https://docs.db.ripe.net/terms-conditions.html
#

poetic-form:    FORM-LIMERICK
descr:         The object consists of a verse
descr:         in a format approaching the terse
descr:         The rhymes, very strict
descr:         Must be carefully picked
descr:         and it's funny and often perverse
admin-c:       DUMY-RIPE
mnt-by:        RIPE-DBM-MNT
created:       2005-05-03T16:42:20Z
last-modified: 2019-07-08T14:21:07Z
source:       RIPE
```

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## Claim

- pASNs do BAD things like try out XSS, breaking parsers and stuff!
- Database graffiti!
- They abuse policy!

## Reality

- Appreciate your opinion, but suggest you don't need any non existing WGs know about it
- Rather have XSS in the DB found and fixed,...
- Policy abuse... well,... see Slide 6

# Summary: I am staying on your lawn

