

INOC-DBA

Hotline Phone System

Version 5.0

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What's it About?

- INOC-DBA: Inter-NOC Dial-by-ASN
- Global Voice-over-IP hotline phone system, directly interconnecting NOCs and SIRTs within carriers, ISPs, exchange points, and vendors.

How does it work?

- If you just dial an Autonomous System Number, it'll ring a predefined group of phones within that AS. (example: **42**)
- If you dial an ASN and an extension number, it'll ring the phones belonging to that person. (example: **42*WEW**)
- Also, well-known extensions for NOC, abuse, routing, SIRT, et cetera.

How does it work?

- Uses SIP.
 - Uses SER (SIP Express Router)
 - You register online
 - Give it a day or two to get approved
 - Then you configure your phone / asterisks / gateway to register with the `inoc-dba.pch.net`
 - Someone dials your ASN, your phone rings

Any Problems So Far?

- CPE network environment:
 - NAT and firewall traversal
 - Unusual DHCP server options
- Nothing a little static configuration can't overcome.

Unexpected Benefits

- QoS is completely unnecessary.
- Sound quality far exceeds that of the PSTN, even under the worst conditions.
- Latency seems less annoying when it's not accompanied by degraded sound.

Is it Difficult to Set Up?

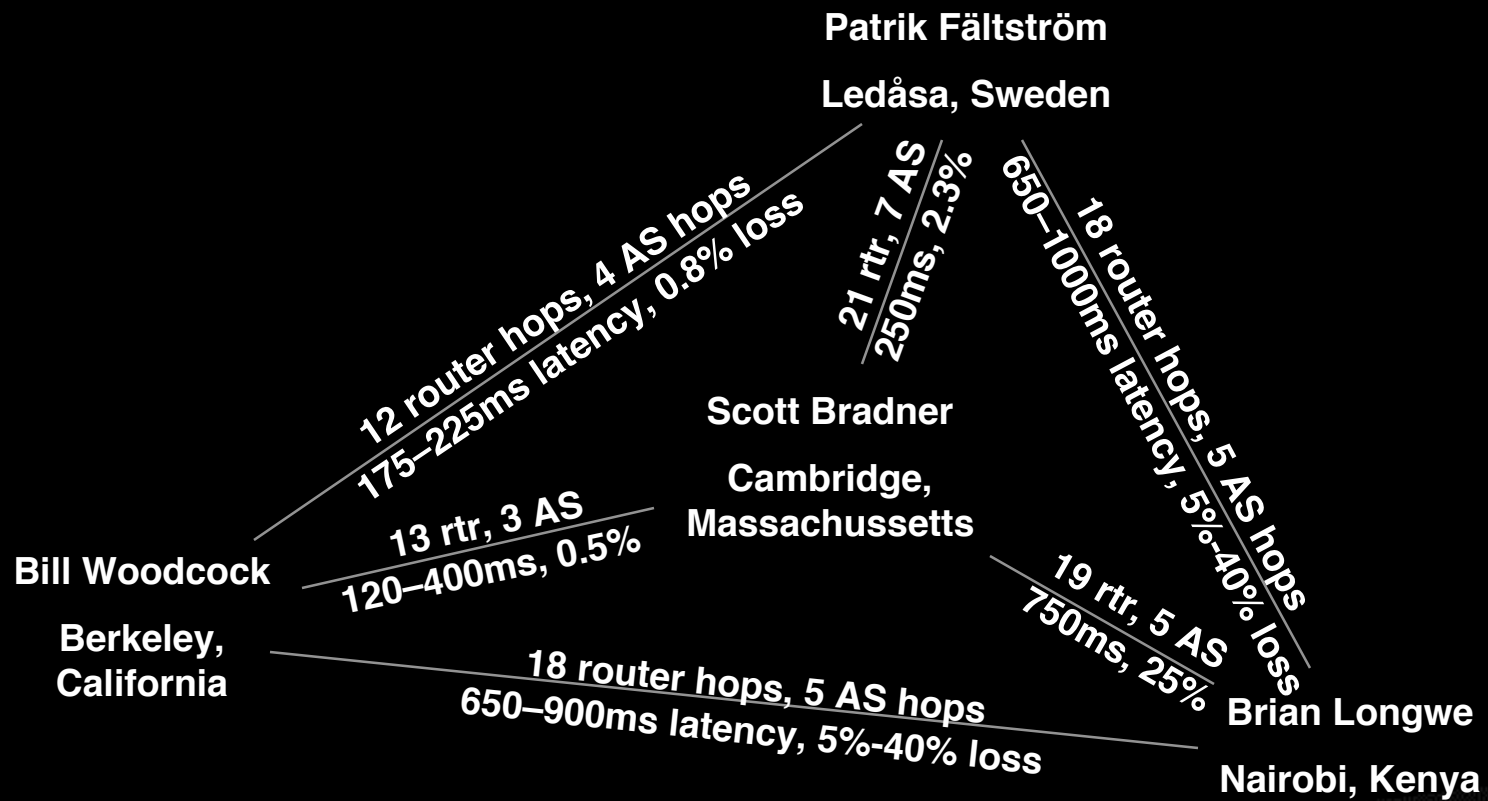
➤ Not really.

Is it Difficult to Set Up?



News

- Call forwarding to sip: addresses.
- Conference bridge successfully tested, and available for use on request.
 - inoc-dba used more commonly as an interface to other voip confrence bridges.
- 1400+ users on the db, but lots are not 24x7 available
- Asterisk seems to be a popular gateway to the inoc-dba.



Ongoing activities

- NAT or not to NAT
- Preserving dilution
- xml directory accessible on phone
- Server side config provisioning for more phones
- SIP Anycast

How to Participate

- With your own phones/gateways:
 - Register online <http://www.pch.net/inoc-dba/>
- With phones from us:
 - We need your contact and shipping address, ASNs, and extension number.
 - Phones from us are getting rarer

More Information

➤ General information:

<http://www.pch.net/inoc-dba/>

➤ Mailing-list archive:

<http://www.pch.net/resources/discussion/inoc-dba/archive/>

➤ Who's participating:

<http://www.pch.net/inoc-dba/directory/>

Exchanges

LINX

PAIX

Equinix

AMS-IX

MAEs

SD-NAP

LAIX

NSP-IXP2

NOTA

OIX

Carriers

UUnet

Sprint

C&W

Genuity

Verio/NTT

AT&T

SBC

AOL/T-W

RCN

TDS

Associations

ARIN

APNIC

RIPE/NCC

ICANN

ISC