INOC-DBA
Hotline Phone System

Version 6.0

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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 regsiter 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.

Is it Difficult to Set Up?

› Not really.

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Interesting Bits

> Call forwarding to sip: addresses.

> Conference bridge available for use on request.

>> inoc-dba used more commonly as an interface to other voip conference bridges.

> 1600+ users on the db, but lots are not 24x7 available

> Asterisk seems to be a popular gateway.

Ongoing activities

> NAT or not to NAT

> Preserving dilution

> xml directory accessible on phone

> 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 may happen again next year.

How To Register

- Go to the website www.pch.net/inoc-dba/
  - If you are a new user, register as new user, and provide the AS Number in the third step.
  - Once you register, the 'sysadmin' (i.e, me or one of my colleagues), will check your organization name and ASN validity with RIR or IRR data and approve the application. This is a one time process.
  - Once the application is cleared, you can setup your lines, i.e, enter the extensions and other information.
  - The first registered user will also be granted 'orgdmin' rights, so that they can add remove users and ASNs associated with their organizations.

FAQ

- What if I don't have an ASN
    - You cannot join, unless you get someone to let you use their ASN.
        - In the APNIC region, your upstream or peer can get an ASN for your organization free of cost.
        - If your organization qualify for an ASN, please apply directly to the RIRs
            - Getting an ASN for joining INOC DBA is not a valid reason.
    - If you are part of a network, like CERTs, you can share a single ASN across multiple organizations.
        - CERT-KR is/was using CERT-CC's AS.
    - If you want to play with VOIP, may we suggest other sites like FWD.

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		Carriers		Associations
LINX	SD-NAP	UUnet	AT&T	ARIN
PAIX	LAIIX	Sprint	SBC	APNIC
Equinix	NSP-IXP2	C&W	AOL/T-W	RIPE/NCC
AMS-IX	NOTA	Genuity	RCN	ICANN
MAEs	OIX	Verio/NTT	TDS	ISC

Questions