



INOC-DBA

Hotline Phone System

aka. "The AS Number Phone"
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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.

What is new since Last year

- The provisioning system has been updated
 - New user registration is largely automated
 - Some user GUI issues remain
 - User processes are not our priority
 - Assumption is INOC DBA users have more clue
 - SIP forwarding to sip:nnn@foo.bar now operational
 - People can now forward calls to their various SIP devices on other networks
 - New Documentation on the web
 - Constant process to update. If you have any product specific information, please send them. Will publish it on the website

More new stuff

- Role accounts are now easier to handle
 - You define different termination types for single phone number
- Upgrade to newer software image for the 7960s is now possible, but using a different tftp server
- Operator queue is now on ‘RT’
 - Not the best ticketing system, but we hope responses are more organized
- A few more ring tones,
 - Austin powers’ ‘nerd alert’ is the latest addition, courtesy one of our users

What has not happened

- Authentication
 - Each time we make up our mind more users request for delays
 - I think we'll wait for a while before we do mandatory authentication
 - But, if you need conferencing facilities, you need to register.
- Backup Service
 - We are still testing backup mechanisms
 - The easiest solution is to have a second server to which users can register.
 - Very likely that the second server will be at LINX.

Stats also available online

- <https://www.pch.net/inoc-dba/user/stats/index.html>
- Further stats on end to end call quality is now available, but graphical interpretation not yet available.

Future activities

- To support NAT or not is still a question
 - After much feedbacks at Operational forums, we decided not to spend resources on NAT
 - But, we have an operational STUN server for tests
- SIP Anycast
 - We are not yet anywhere close to implementing this, simply because we cannot make it work.
 - Inputs are appreciated. We use SER as our SIP Proxy.
- Backup proxy
 - This should be done in immediate future.

Current Issues

- Supporting new varieties of Phones
 - I don't have physical access to all varieties of phones..
- In May 2005, Routing Outage combined with the PAIX Switch outage took the server offline often. We are looking at creating a fall-back server. Most phone we have seen support a primary and secondary SIP Proxy, thus the immediate plan to install a backup proxy. At a later stage, we'll give thoughts on integrating the two server database.

New Ideas

- Make the conferencing facility available for those who have authentication enabled
 - Done. Send e-mail to ‘operator@pch.net’ for details.
- Create a one-way path for authentication, i.e, if anyone has previously used authentication, deny them service without authentication
- Auto Dial back number
 - There are users who have done this.

How to Participate

- With your own phones:

We need your contact info and ASNs.

<http://www.pch.net/inoc-dba/> has 'New User' section

- With phones from us:

We are no longer shipping phones regularly. It's a long wait.

We need your contact and shipping address, ASNs, and extension number.

Questions / Open Mike

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/>

Major Deployments

‡ Netnod – All IX participants get Phones

‡ WAIA – All IX participants / WAIA Members get Phones

‡ .BR – All LIRs of the Brazilian Registry get a Phone

Is it Difficult to Set Up?

