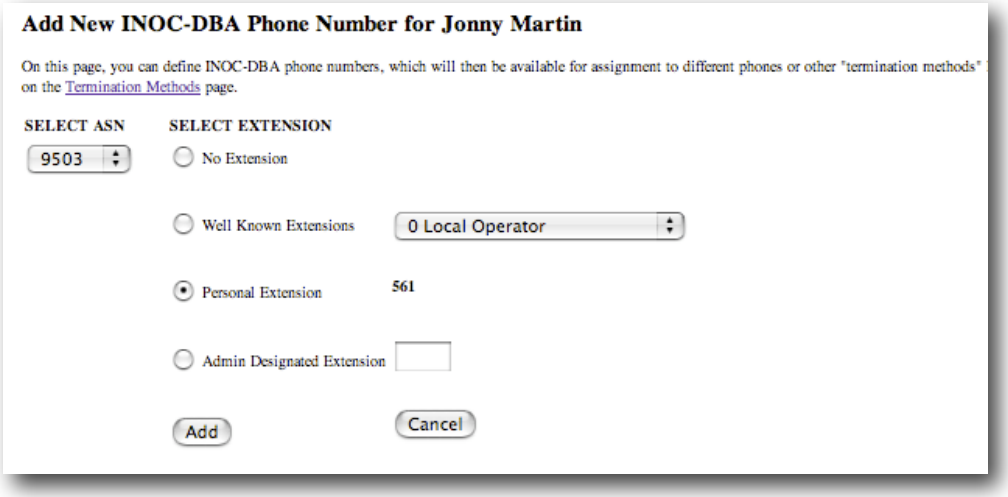
Lab 5: Connecting Asterisk to INOC-DBA

You will need to have set up an account and log in to the INOC-DBA administration system to do this.

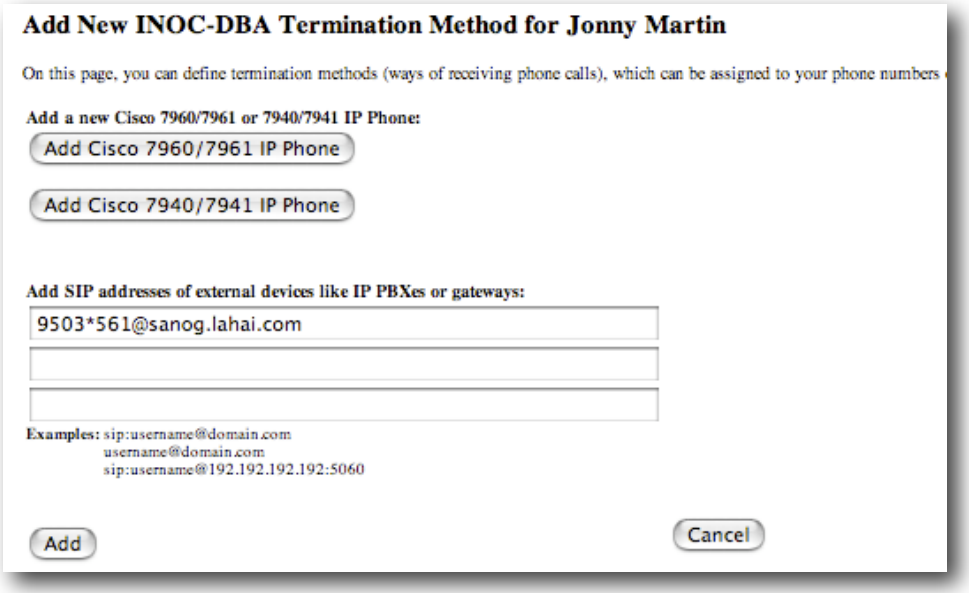
http://www.pch.net/inoc-dba/

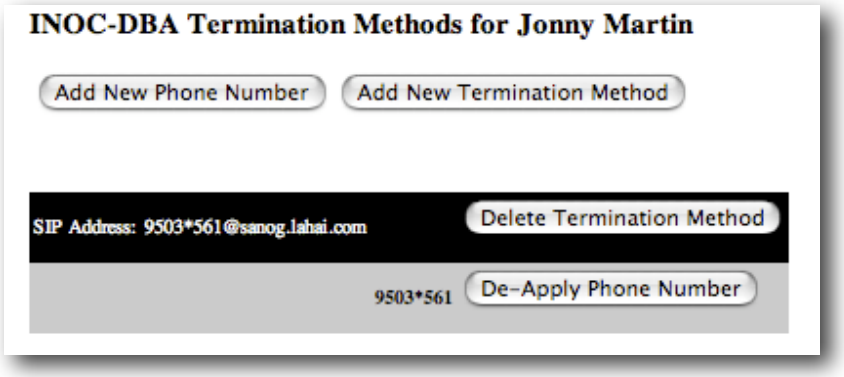
1. Set up INOC-DBA to send calls to your Asterisk server.
You need to set up a termination method through the INOC-DBA system to deliver calls to your asterisk server.

For this lab exercise we will will set up your INOC-DBA personal extension to terminate calls on your lab asterisk server. Select 'My Phone Numbers' from the menu and populate it accordingly:



Select 'Termination Methods' from the menu and add the IP address of your lab server, then select that as the termination method for your personal extension.





2. Configure Asterisk sip.conf

Asterisk needs to be configured to SIP REGISTER itself with the INOC-DBA servers. Add the following to the [general] section of sip.conf:

```
;need to add the register line, which is what Asterisk
;will send to the inoc-dba. the format is
;
; register = > ASN*EXT:password:username@inoc-dba.pch.net/Local_extension
;

register => 9503*561:password:jonny@inoc-dba.pch.net/9503*561
```

Replacing 9503*561 with your INOC-DBA extension, and password:jonny@ with your password and login name.

This statement registers our Asterisk box with INOC-DBA. Inbound calls are sent to the default context.

3. Configure inbound calls

Inbound calls land in the default context. We want these calls to ring a phone, so add something like the following into the [default] context, substituting your details for SIP/2000 and 9503*561.

```
exten => 9503*561,1,Dial(SIP/2000,15)
exten => 9503*561,n,Voicemail(u2000)
exten => 9503*561,n,Hangup()
```

You may want to have inbound NOC calls ring multiple phones. Configure your INOC-DBA extension to ring multiple phones at once.

A nicer way to implement this is to use a GoTo statement in the default context to send inbound calls to 9503*561 to an extension elsewhere in your dialplan, enabling you to easily change the destination for inbound calls. Use this method to send a call to one of your existing extensions. This could be a phone, voicemail, conference, etc.

4. Configure outbound calls

First set up a new SIP peer for INOC-DBA. Add the following peer to sip.conf:

```
[inoc-dba]
type=friend
host=inoc-dba.pch.net
port=5060
username=pchconf
fromuser=9503*561
secret=nothing
canreinvite=yes
```

```
context=from-inoc-dba
insecure=very
```

(Remember to use the correct ASN*ext for the fromuser line in the sip peer)

Calls prefixed with a 9 will be sent out to INOC-DBA. We need to first strip the 9, and then set our outgoing callerID correctly. Add the following to the appropriate context in extensions.conf:

```
; This extension is for outgoing calls to inoc-dba
; 9 for an outside-inoc-dba-line
exten => _9.,1,Set(CALLERID(all)=Jonny Martin <9503*561>)
exten => _9.,n,Dial(SIP/${EXTEN:1}@inoc-dba)
exten => _9.,n,Hangup
```