# THINKTEL COMMUNICATIONS

# TALKSWITCH VS

**TALKSWITCH VS – THINKTEL SIP TRUNK & DID**

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## 1.1   INTRODUCTION

This Document explains how to configure a SIP-TRUNK between Talkswich and the National CLEC THINKTEL COMMUNICATIONS.

The Primary way to connect the Talkswitch to the outside world is via IP connection and a SIP account called SIP-TRUNK.

THINKTEL COMMUNICATIONS as a VOIP Provider gives you an account with accompanying credentials (username – password – Proxy IP Address)



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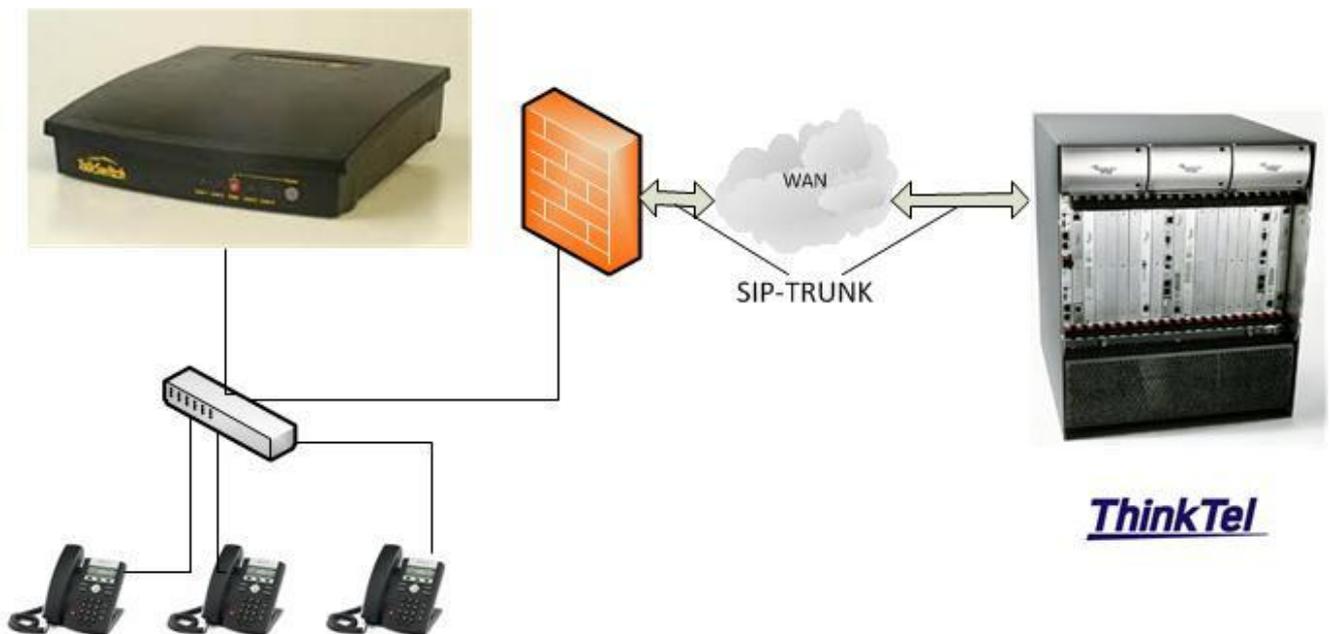
## 1.2 STARTING THE MANAGEMENT SOFTWARE

- Connect your Talkswitch to the Network
- Plug in the power adapter and turn on your Talkswitch
- Your PC should be connected to the same network
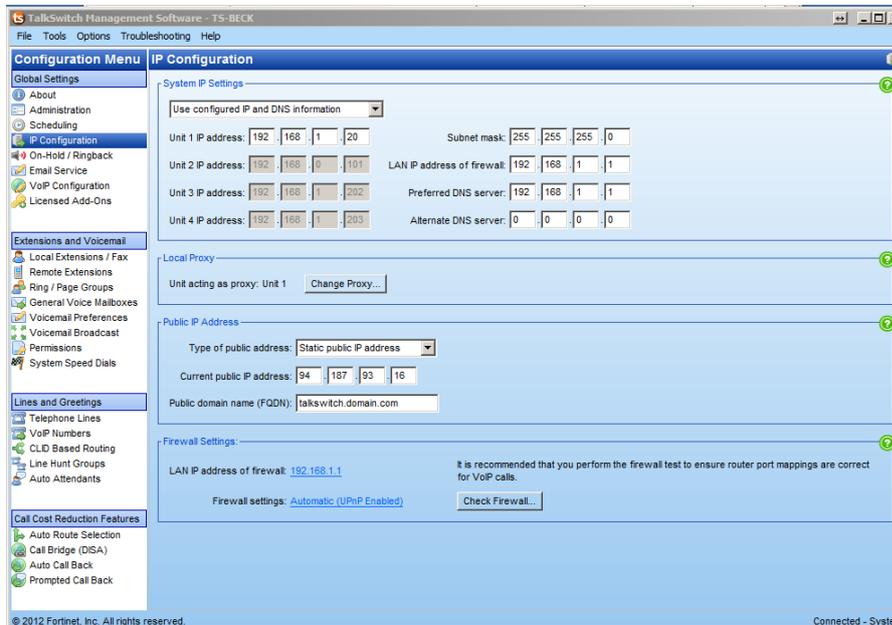- Start the phone system Management software. The software attempts to detect your phone system



- Select Your language
- Once the software detects the system, click on "Configure Auto-Detected System". The software loads the configuration from the Talkswitch and the following window appears
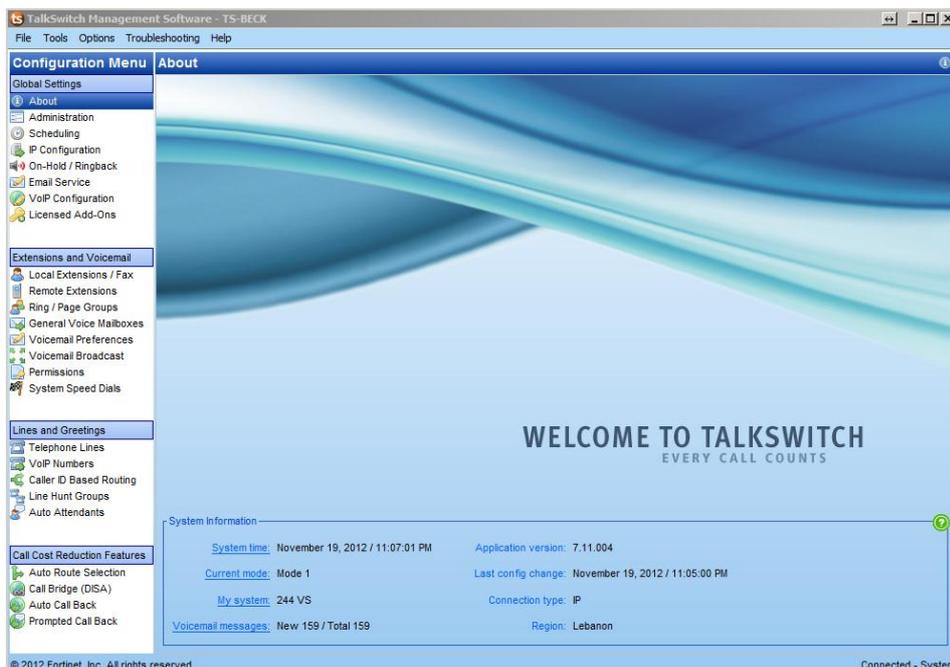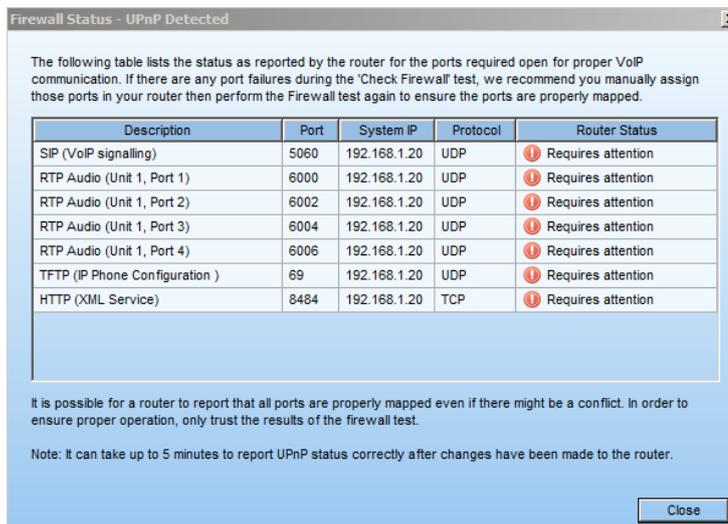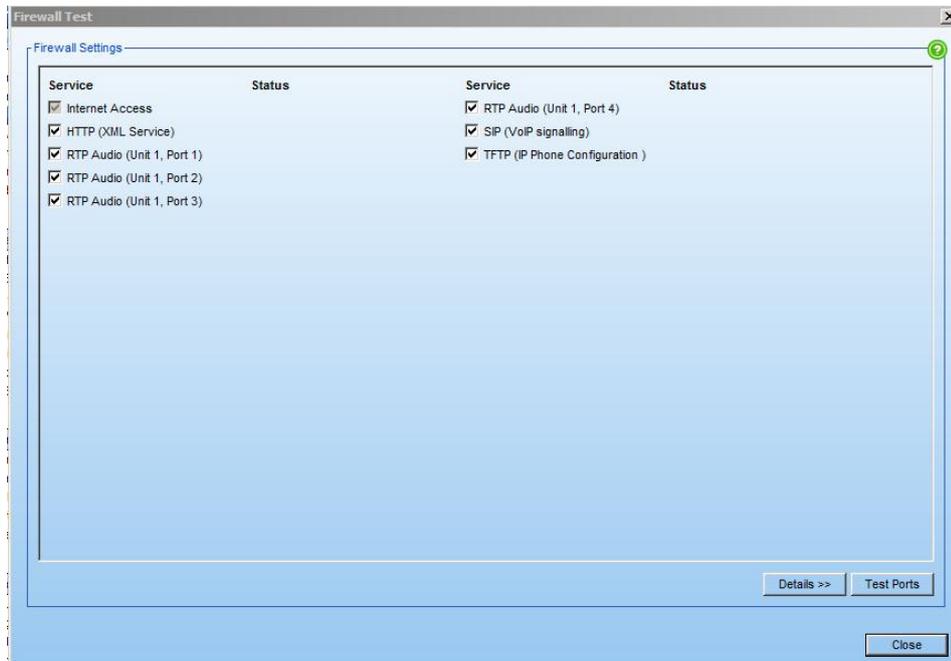
## 1.3 IP CONFIGURATION

- Click on "IP Configuration"



- On "Public IP Address" select "Static Public IP address"
- On "Current public IP address" enter your Public IP Address
- On " Public domain name " you can leave it blank or enter the FDQN of the Talkswitch
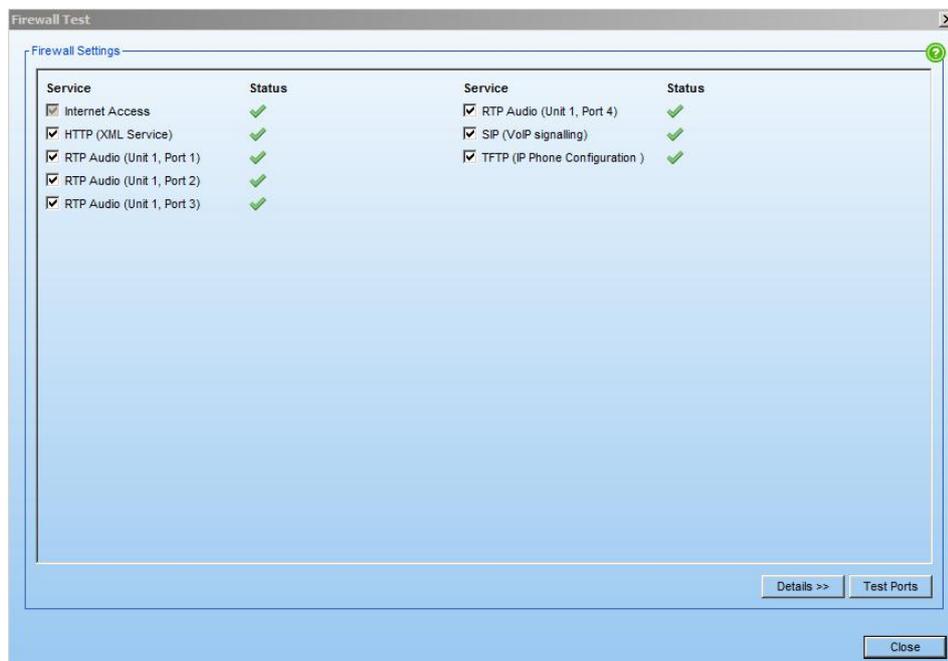
## 1.4 ROUTER CONFIGURATION

- Click on "Automatic (UPnP Enabled)"

- The Manual Port Mapping window appears ,it lists the packet type, port number and IP address of each required port
- You have to forward all these selected ports in your WAN Router with their protocol to your Talkswitch
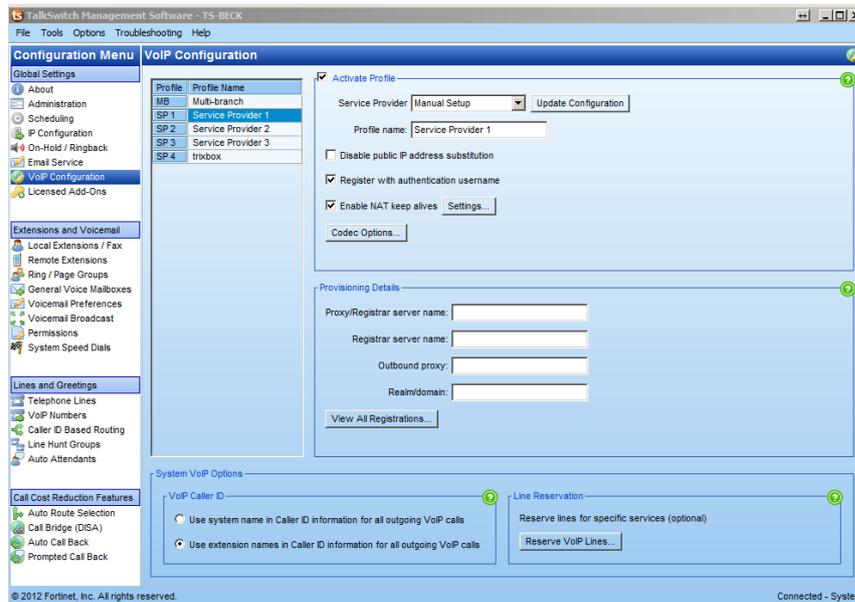- When all selected ports are forwarded click on "Check Firewall"



- Click on "Test Ports"



- If all selected ports have been well forwarded in the WAN Router the status of this test should be ✔
- Click on "Close"

## 1.5  SIP-TRUNK CONFIGURATION

- Click on "VoIP Configuration"
- Select an unused Service Provider example "SP1"



- Check "Activate Profile"
- On "Service Provider" choose "Manual Setup"
- On "Profile name" choose "Thinktel"
- Uncheck "Disable public IP substitution"
- Check "Register with authentication username"
- Check "Enable NAT keep alives"
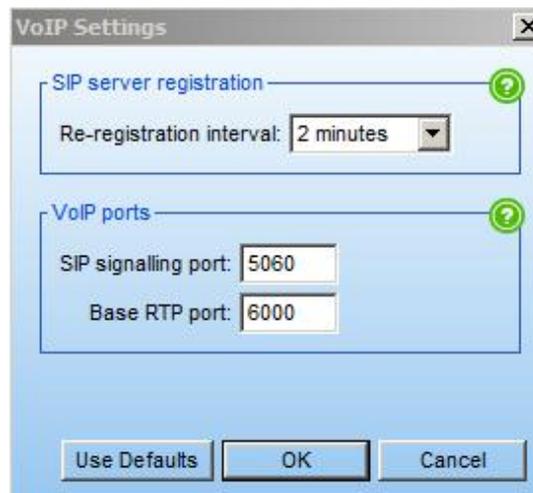- Click on "Codec Options"
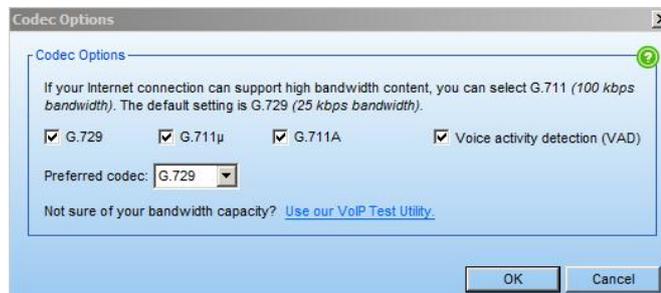


- Choose your Codes and your preferred Codec
- Click on "OK"
- On "Proxy Registrar server name" enter the SIP domain name given by Thinktel
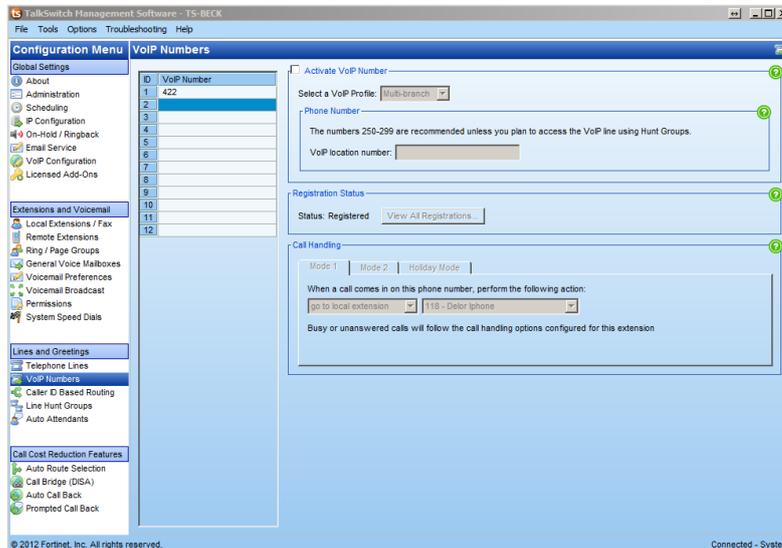- Idem for "Registrar server Name" & "Outbound proxy" & " Realm/domain"
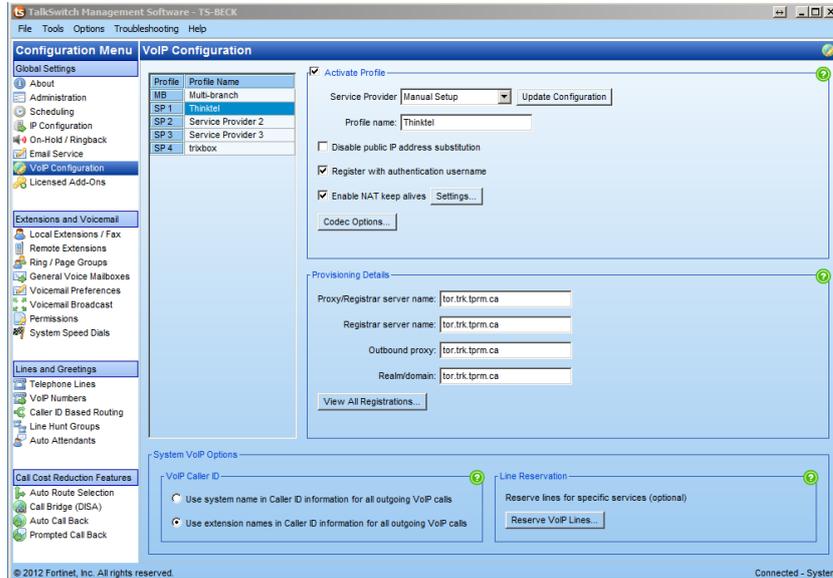
- Click on "File" >> "Save"
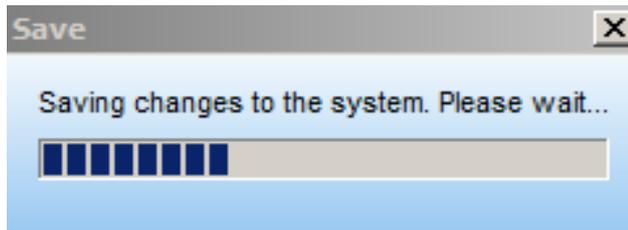


- Click on "Option" >> "VoIP Trunking"



- The "SIP signalling port" must be "5060"
- Click on "VoIP Numbers"

- Choose one unused "ID"
- Check "Activate VoIP Number"
- On "Select a VoIP Profile" and choose "Thinktel"
- On "Country code" enter "1" for US and Canada
- On "City or area code" enter your "NPA" example for Montreal "438"
- On "Number" Enter your last 7 digits
- On "User/Account" enter your pilot number provided by Thinktel
- On "Password" enter your password provided by Thinktel
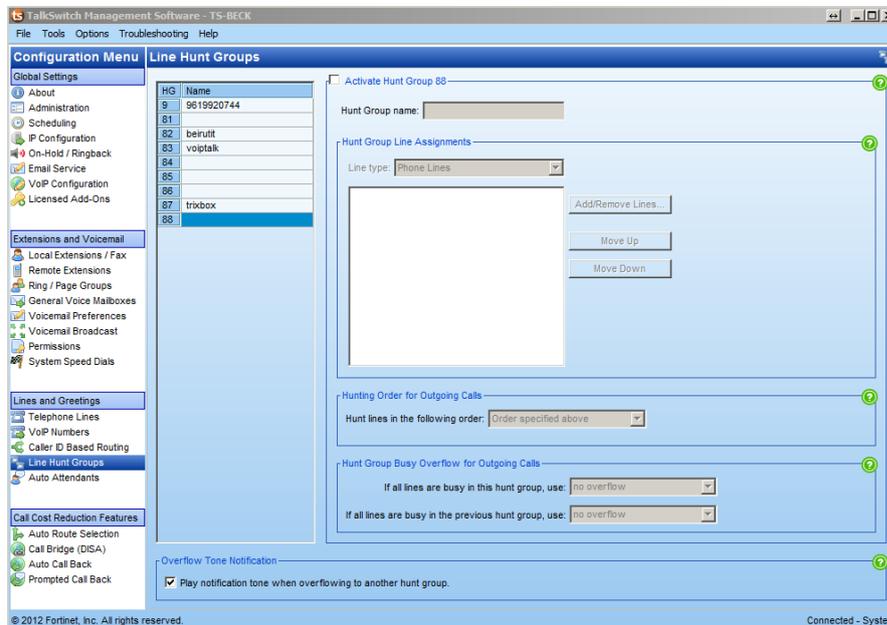- Click on "File" >> "Save"
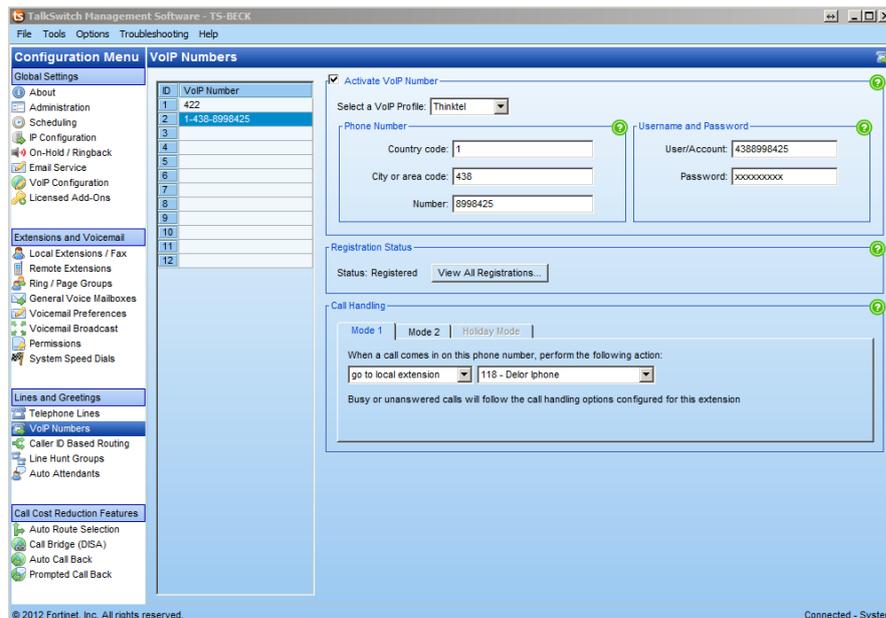


- Click on "View All Registrations"
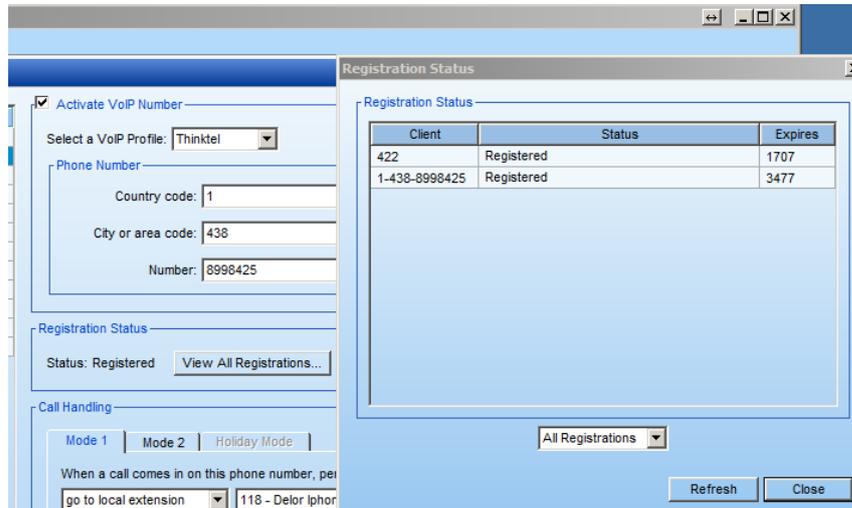
- Check that the "Status" of Thinktel's SIP-TRUNK is "Registered"

## 1.6   SIP-TRUNK CONFIGURATION

- On the main menu click on "Line Hunt Groups"
- Choose and select one free "HG" example "88"



- Check "Activate Hunt Group 88"
- On "Hunt Group name" enter "Thinktel"
- On "Line type" choose "SIP VoIP Service (Thinktel)"
- Click on "File" >> "Save"
- Now you can make outgoing calls through Thinktel's SIP-TRUNK by dialling 88-NPA-XXXXXXX
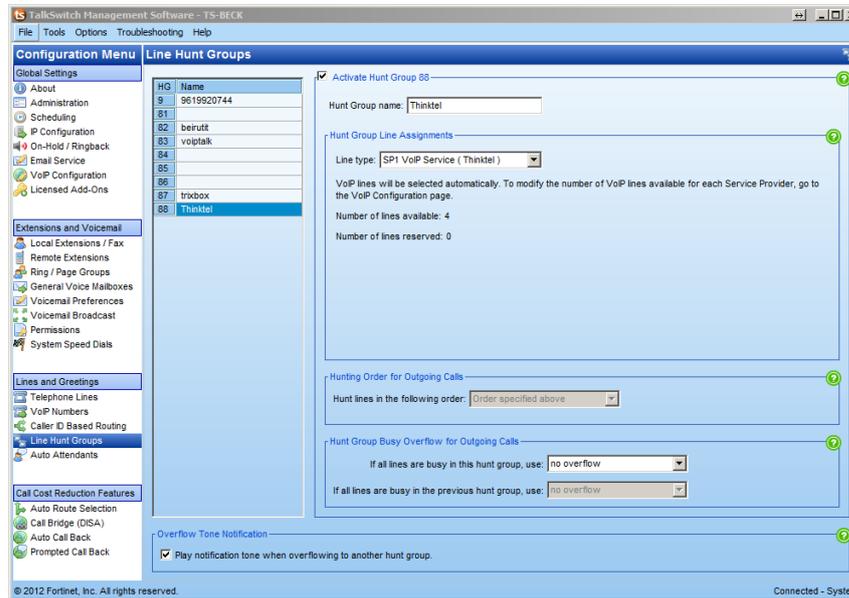
## 1.7   DID CONFIGURATION

- On the main menu click on "VoIP Numbers"
- Choose and select the "ID" Of Thinktel's VoIP Number
- On "Call Handling" section Choose any combination for an incoming call to Thinktel's DID
  Example : "Go to local extension"  "156 – Work Shop"
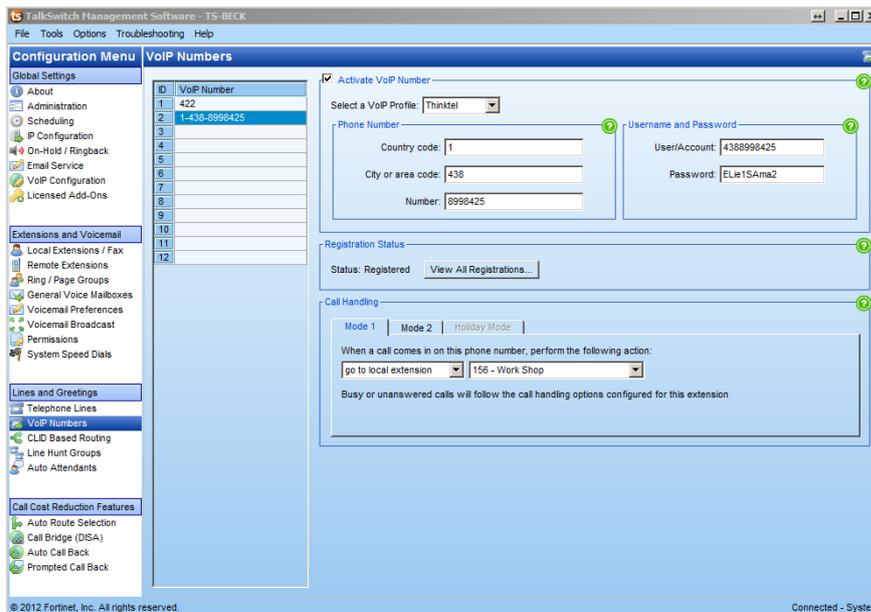


- Click on "File" >> "Save"
- For an incoming call to 438-899-8425 the local extension 156 will ring