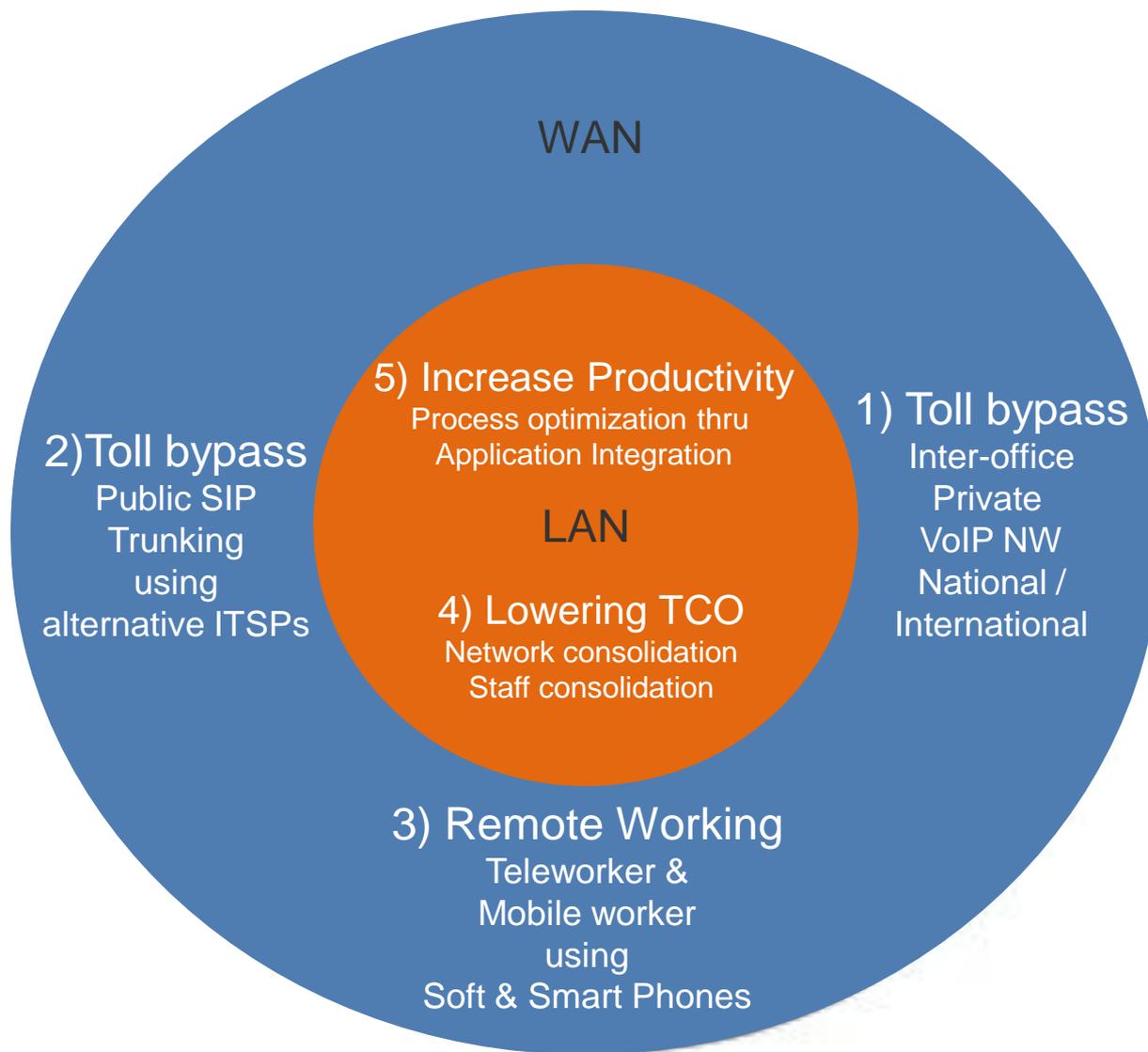
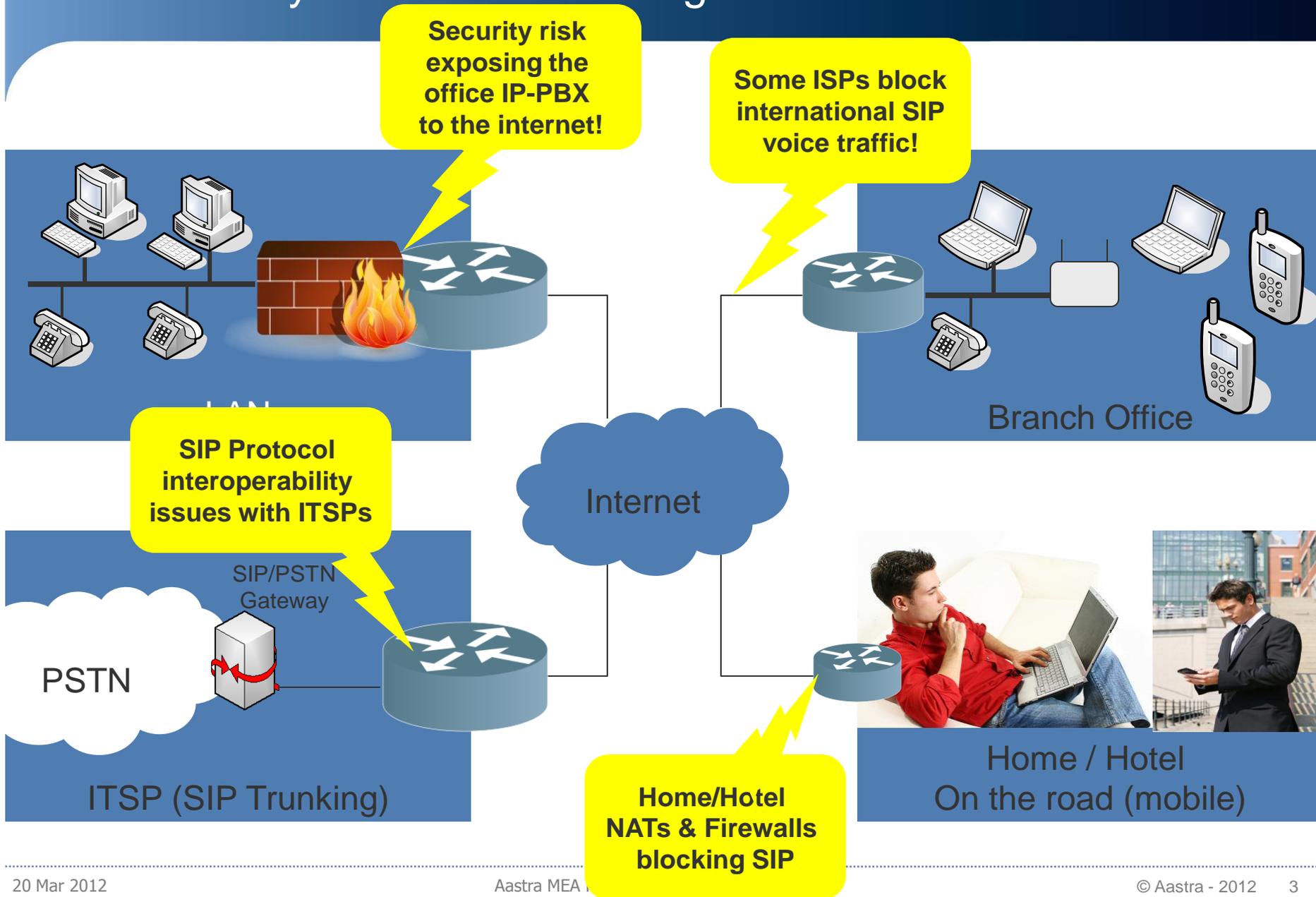


# Secure Remote Access

**Ahmet Altinova**  
Head of Technical Support & Training, MEA



# VoIP Primary Benefits - Challenges!



# THE DAILY NEWS

www.dailynews.com

THE WORLD'S FAVOURITE NEWSPAPER

- Since 1879

## FIREWALL KILLS INNOCENT SIP



**Dubai, 28 March** It was reported yesterday that a corporate Firewall of unknown brand (supposedly state-of-the-art) of a multinational company residing in the Internet City, completely blocked the innocent SIP traffic coming from its own tele-worker fleet, thus hindering more than 100 employees from accessing their corporate voice services.

vital for our work and mission critical for our company”

When asked about the reason for this technical glitch, the company's IT Manager explained: “Not all Firewalls are SIP aware and normally block such traffic from entering the company's network. We did not know this!”

One employee who did not want to be named, said “It is like sitting in the dark with no lights on. Telephony and unified communications is

“We now either need to upgrade our Firewall, buy a new one or as Aastra recommended us, use a SIP enabler (SIParator).”

# Olden Times

no.203.078

THE WORLDS OLDEST NEWSPAPER

- since 1879 -

## CYBER ATTACK ON TELEPHONY



### Istanbul Mart

It was reported that one of Turkey's largest newspaper and media company was the victim of a cruel and aggressive cyber attack.

Mr. Alp Ozacar, head of Turkey's fight against terrorism and cyber crime said: "We found out that unknown remote SIP phones attempted to register with the company's new generation telephone system, called IP-PBX in an attempt to look like a corporate extension and gain access to IP-PBX services (receiving calls and making calls).

We also recognized an Intrusion instance, where malicious attempts to send INVITEs to the IP-PBX to gain access to PSTN Gateways and SIP Trunking to call the PSTN were detected resulting in Toll Fraud.

We also found Denial of Service (DoS) attacks where INVITE messages flood the server in an attempt to slow down or disrupt services, also known as SPIT or Spam over Internet Telephony"

Companies can protect themselves by deploying Aastra tele-worker solution based on SIParators.

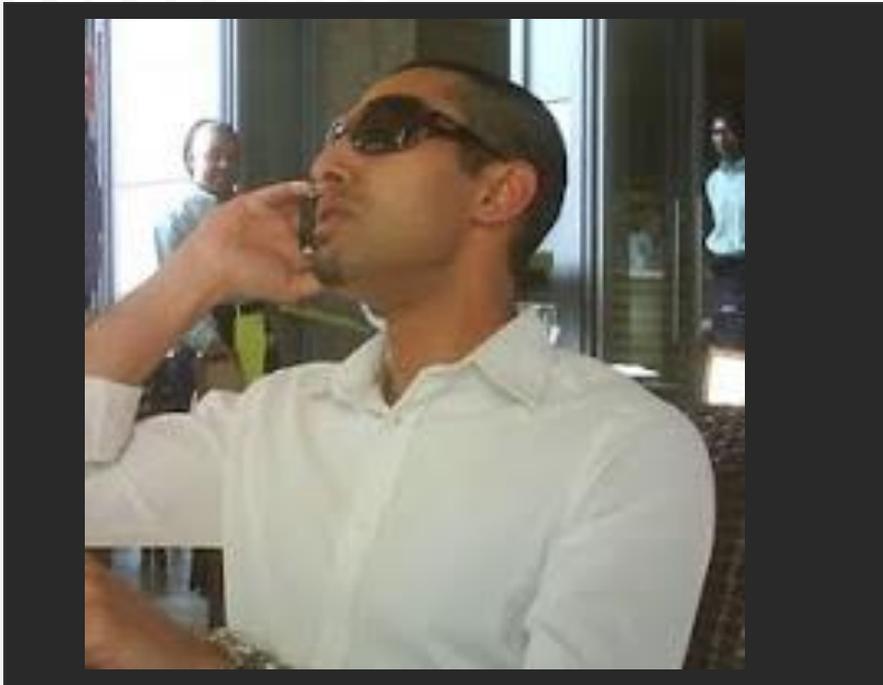
*THE*

# SUN SHINE

*CELEBRITY NEWS AND GOSSIP*

*WORLD EXCLUSIVES*

## SMARTPHONES HELP SAVE



**Cape town.** After a series of bad news about companies using latest remote access internet technologies for voice and unified communications, Mr. Zak Evans, Marketing Director tells us a story, which is good news for the sector.

“I am working 95% as a teleworker from home or hotels, and rely 100% on Aastra unified communications and SIParator technologies. I have an Android smart phone on which an Aastra Mobile Client is running and

which connects seamlessly to our main office in Johannesburg.

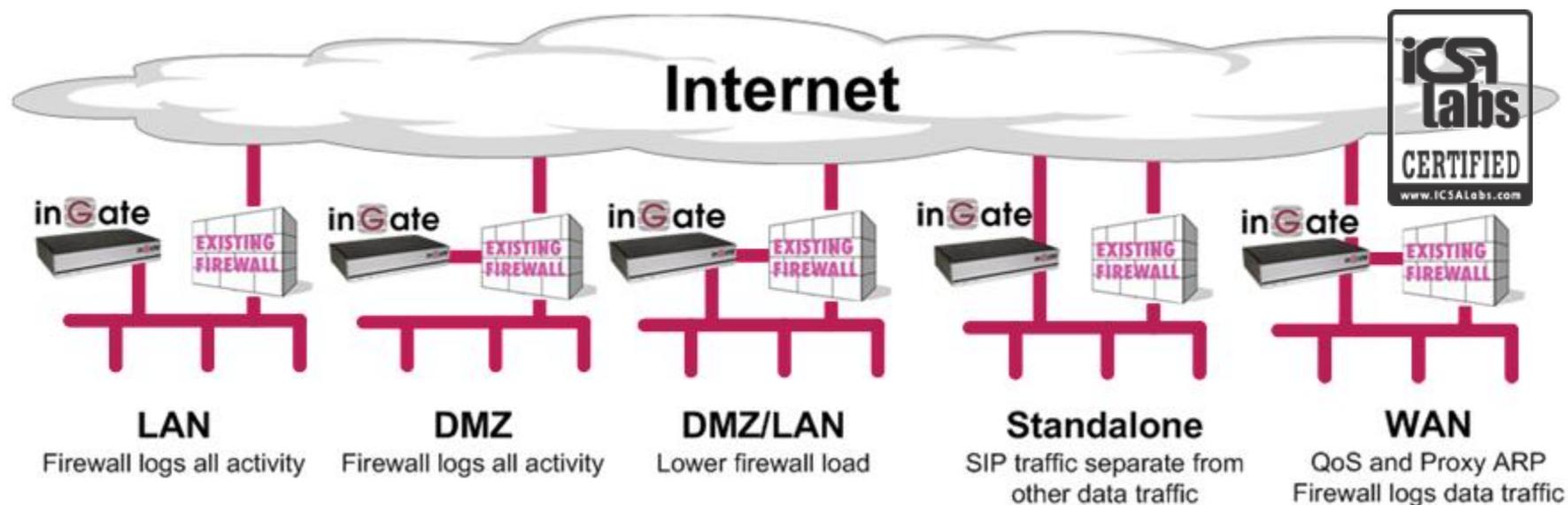
I can see the presence of my colleagues, chat with them using IM and use our corporate telephone system to make international calls as well as conferencing and other features.

When at home, in hotels or public hot spots, I use the WiFi for making calls quasi free-of-charge and when roaming, the AMC client uses call-back functionality and saves me 70% costs.

**A<sup>A</sup>STRA**  
**Teleworker**  
**Solution**



SIParator® Modes are Used Together with Existing (non SIP Aware) Firewalls\*



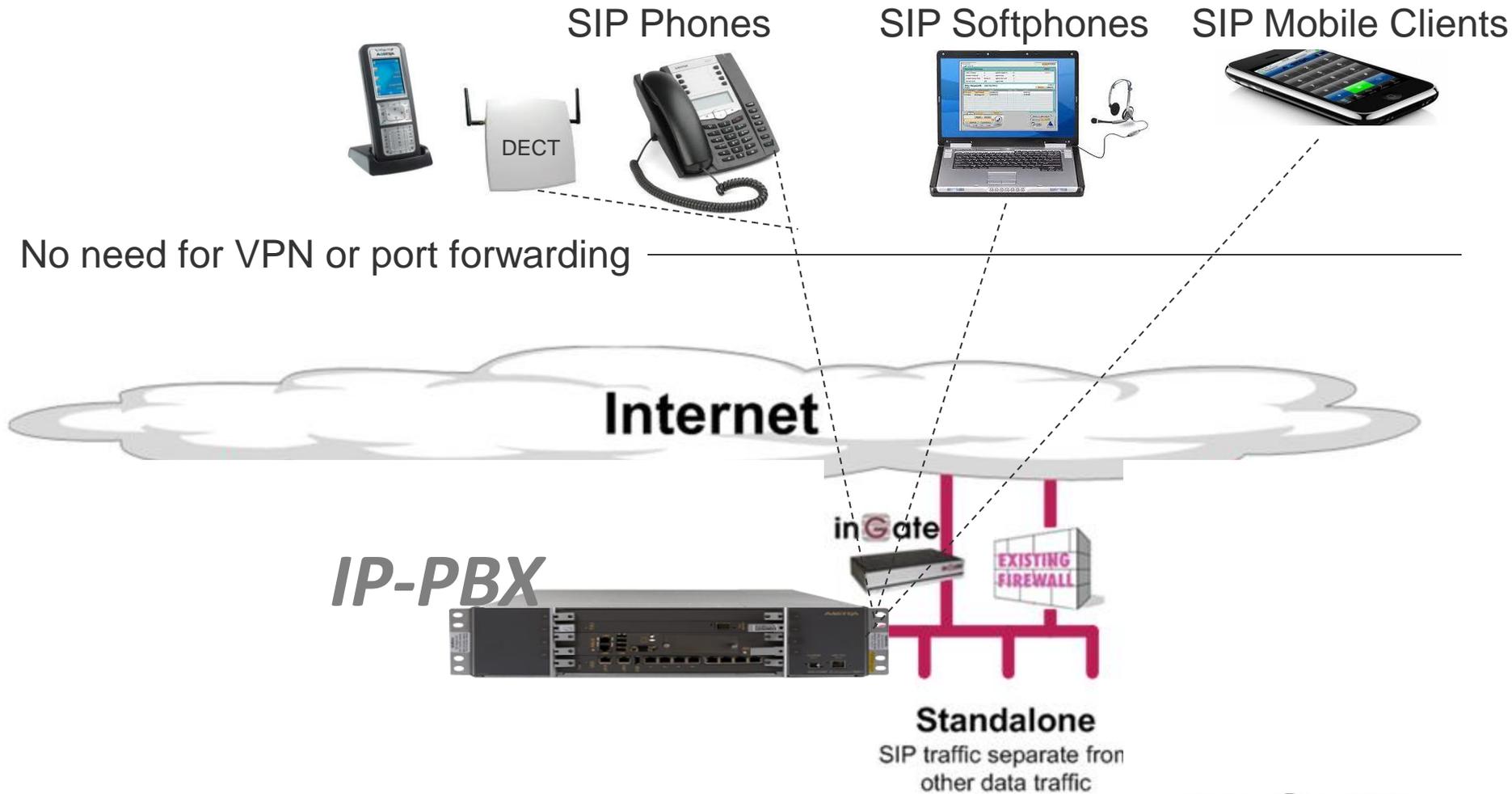
WAN SIParator recommended with shared data and voice IP-pipe:

- SIParator controls QoS (traffic shapes to favour voice over data)

Setup of Existing Firewall using LAN or DMZ SIParator:

- Port Forward 5060
- Port Forward Media Port range

\* Ingate can also be used as the complete combined Data and Voice Enterprise Firewall



## Service providers

- 360 Networks
- Airespring
- AT&T
- BandTel
- Bandwidth.com
- Bell Canada
- Broadvox
- Cablevision
- Cbeyond
- Cellip
- Cordia Corporation
- Earthlink Business
- Excel Switching
- Gamma
- Global Crossing
- IP-Only
- Juma Networks
- Level 3
- Nectar
- Netlogic
- NetSolutions
- Nexvortex
- Nuvox
- One Communications
- Paetec
- Primus
- Qwest
- RNK Telecom
- Skype
- SoTel
- TDC
- Tele2
- Telia
- Toplink
- Verizon
- VoIP Unlimited
- Windstream
- Vobone
- *More in pipeline.....*

## Carrier Equipment

- Acme Packet
- Broadsoft
- NexPoint
- Sonus
- Sylantro



**Ingate SIParator®**  
**Ingate Firewall**



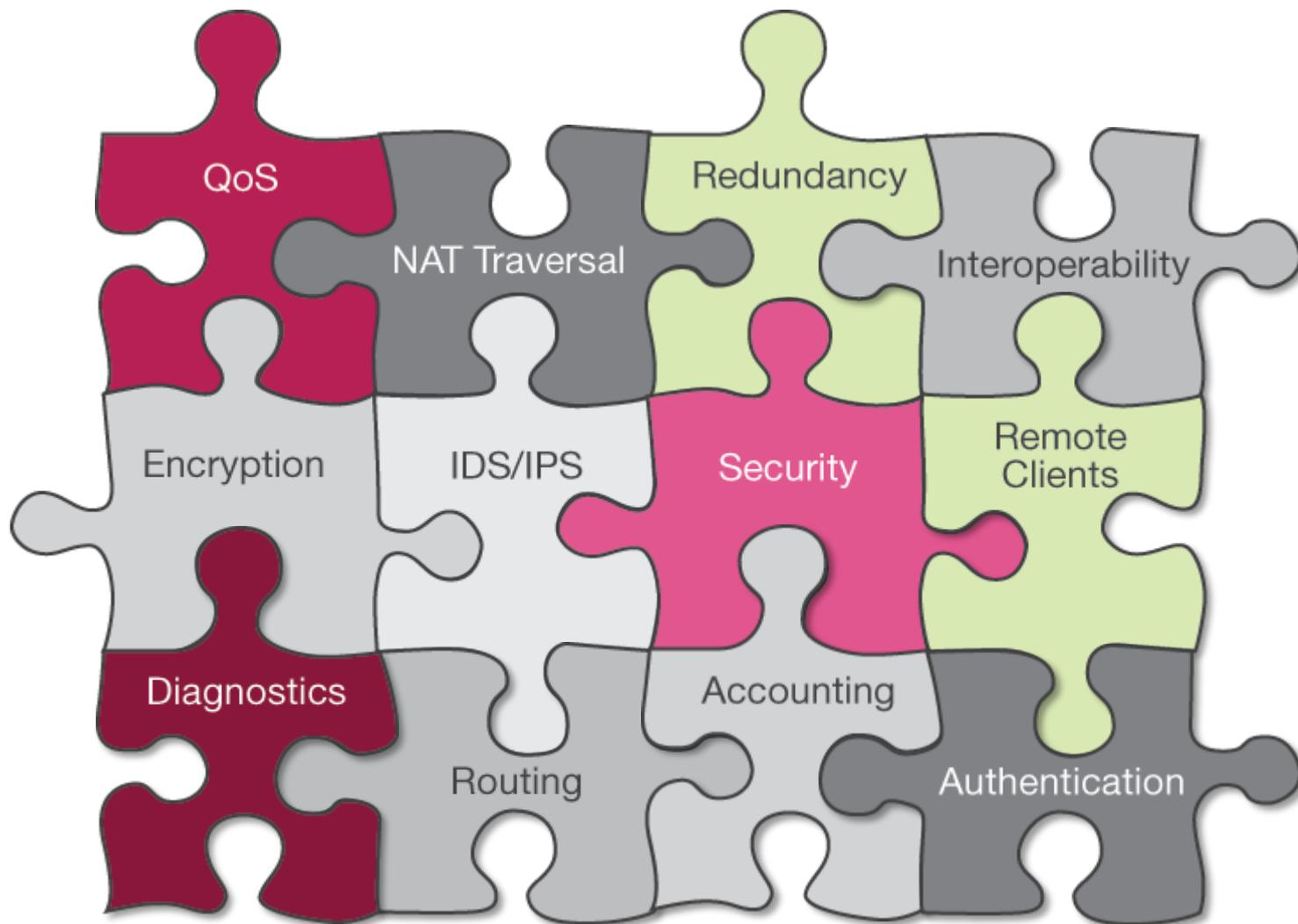
S I P T R U N K

Compliant with:  
**SIPconnect**  
SIPFORUM

## IP-PBXs

- Aastra A-700
- Aastra Clearspan
- Aastra MX-One
- Aastra Pointspan
- Avaya
- Cisco Call Manager
- Digium/Asterisk
- Fonality
- HP
- Innovaphone
- Interactive Intelligence
- Iwatsu
- Microsoft
- Mitel
- NEC / Sphere
- Nortel
- Objectworld
- Panasonic
- Pingtel
- Samsung
- SER
- Shoretel
- Siemens

# What does Ingate SIParator® do?



# Summary

Saves  
Costs

- ✦ You can take advantage of the strongest cost saving benefits of VoIP, today!
  - Teleworking, Mobile working, Branch office integration, SIP trunking
- ✦ Without compromising the corporate IT security
- ✦ Without replacing or upgrading the existing Firewall
- ✦ A tested solution based on Ingate SIParator (A2P2)
- ✦ Ask your channel manager for free trial/lab licenses





**Thank you**