

Customer with existing call center software adopting it to Asterisk From 50 to 500 agents From 50 to 1.500 concurrent calls Immediate failover if server or application crashes Delivered as a service (cloud) or as an application





...and for Service providers

- Kamailio in the core
- Asterisk for feature services and PSTN handling
- Scalable platforms for 1.000-1.000.000 phones
- Many users in this sector
- Many additions contributed to the Asterisk
 SIP channels over the years

Copyright 2011, Edvina AB, Sollentura, Sweden, All rights reserved. Approved distribution only, info@edvina.net.



#I:The Internet.

- The Internet is truly always available
- The networks are getting better
- IP Telephony over 3g works today
- 4g will get there in 10 years time. HD video anyone?

#2: Open Standards making it possible

- The TCP/IP protocol suite
- SIP
- XMPP
- Unicode
- Freely available codecs

#3: Open Source

- FreeSwitch, Asterisk, Kamailio, SIP-router, ejabberd, Linux, FreeBSD, Adhearsion
- The application stack is available without license fees (I won't say for free)
- Quick adaption to your business possible, you have the source and an open market available
- Innovation is pushing these platforms forward

#4:Voice interfaces

- Speech recognition and synthesis
- Natural interfaces for services
- Price/channel has gone down



#5: Commodity hardware Standard PC servers can run 10.000 audio channels - over 5.000 calls. Today. Investment/call is going down

#6: API's

- Programmer interfaces to telephony are freely available
- Lowers cost of implementation
- Asterisk AGI/AMI, Adhearsion, FreeSwitch libraries, Kamailio MI, LUA and Python
- Service providers should run these
 - You don't need your own PBX to add voice to your apps!



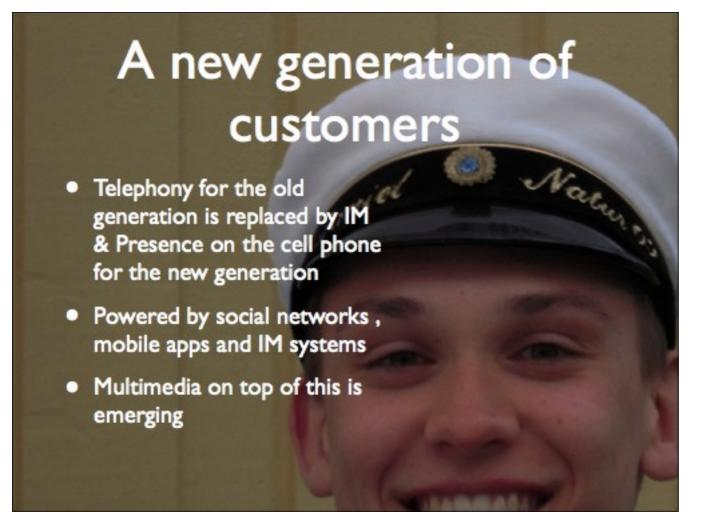


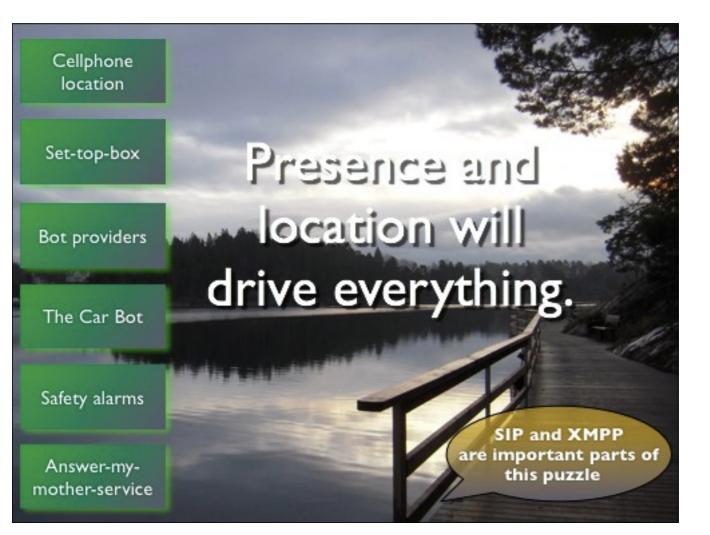
!#9. Security requirements

- Sadly, too few customers require security
- We might have to follow Gemeinshaft 4
 philosophy:
 We know better even if the

We know better even if the customers don't



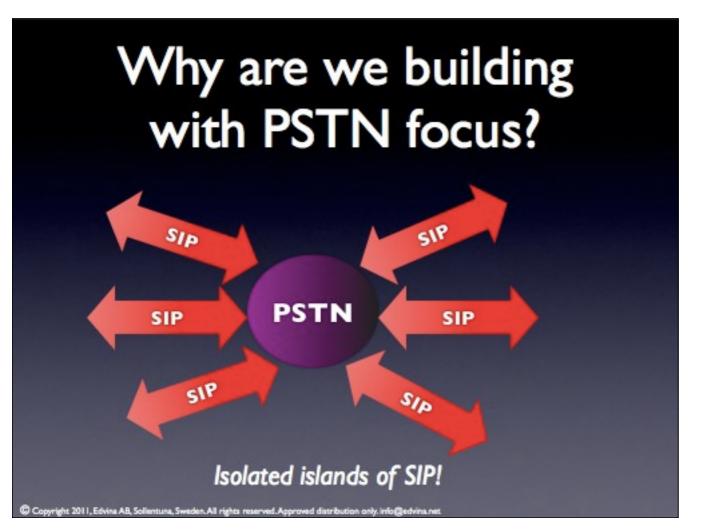


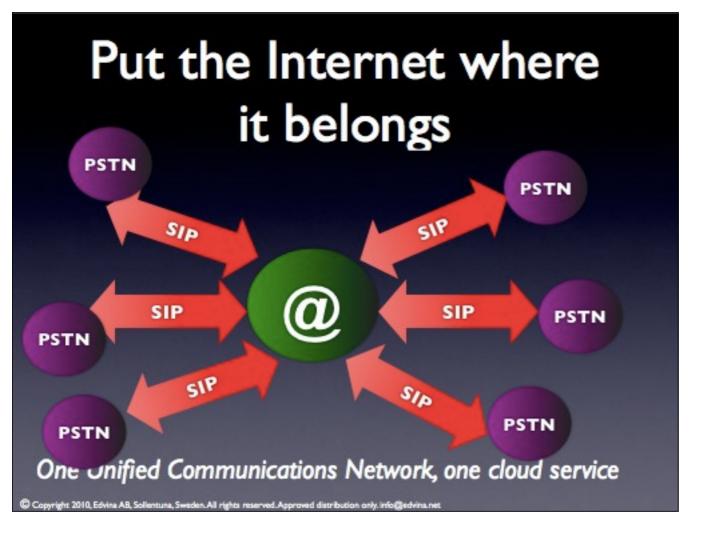


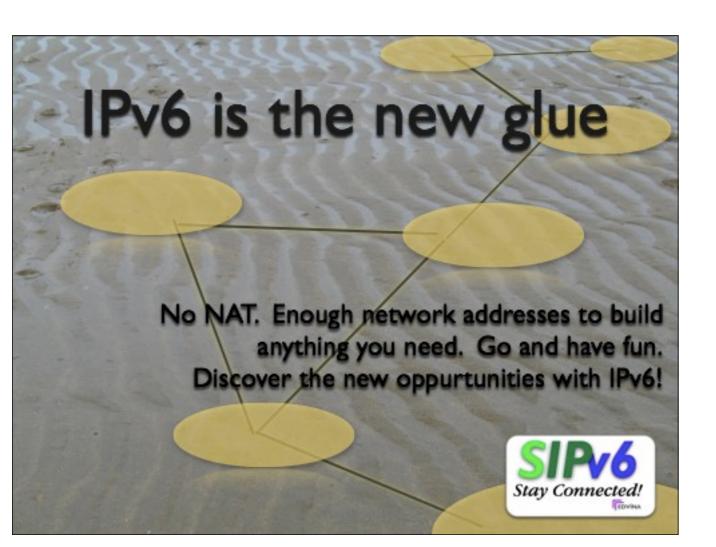
Without the Internet you are on an isolated island.

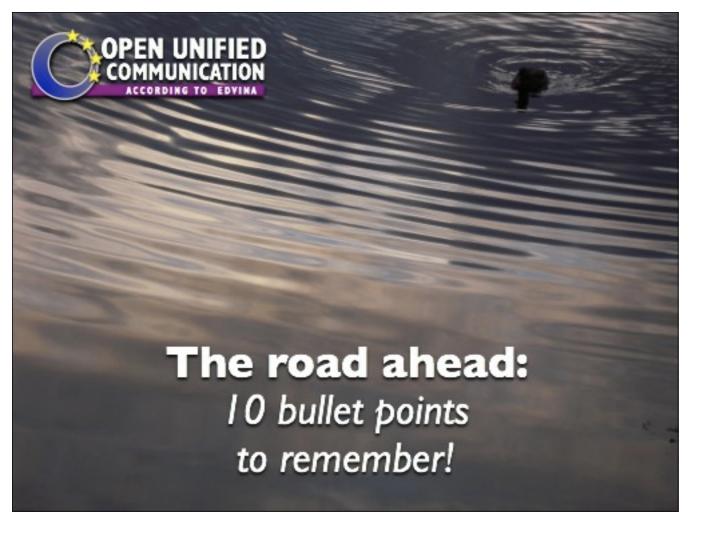
So how do we get away from it?

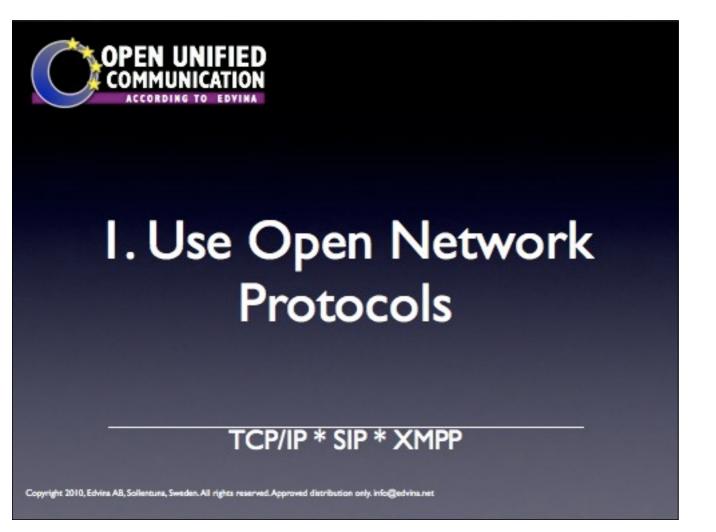
Copyright 2010, Edvina AB, Sollentura, Sweden. All rights reserved. Approved distribution only. info@edvina.net













2. Open Source

COOPERATIVE SOFTWARE

Copyright 2010, Edvina AB, Sollentuna, Sweden. All rights reserved. Approved distribution only. info@edvina.net





4. Integrity and Security

BUILDING TRUST FOR NEW SOLUTIONS

Copyright 2010, Edvina AB, Sollentura, Sweden. All rights reserved. Approved distribution only. info@edvina.net



5. Climate Friendliness

VIDEO * SYSTEM MANAGEMENT



6. Social Responsibility

Building and connecting to a network for everyone.

OPEN SOURCE = AVAILABILITY FOR THE 3RD WORLD

Copyright 2010, Edvina AB, Sollentura, Sweden. All rights reserved. Approved distribution only. info@edvina.net



7. Everything is and should be building blocks

EVERYTHING SHOULD HAVE AN AN OPEN API





8. Keep an open network

IPv6 NOW

Copyright 2010, Edvina AB, Sollentura, Sweden. All rights reserved. Approved distribution only. info@edvina.net



9. Underestimate yourself

You just don't know about the future

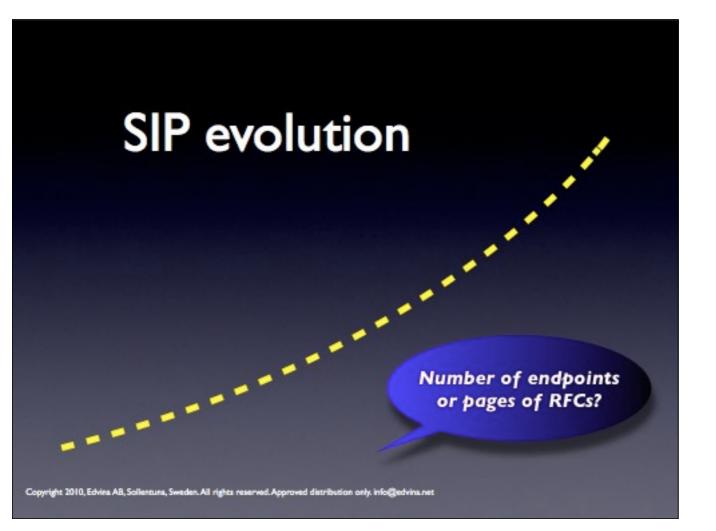
Copyright 2010, Edvina AB, Sollentura, Sweden. All rights reserved. Approved distribution only. info@edvina.net

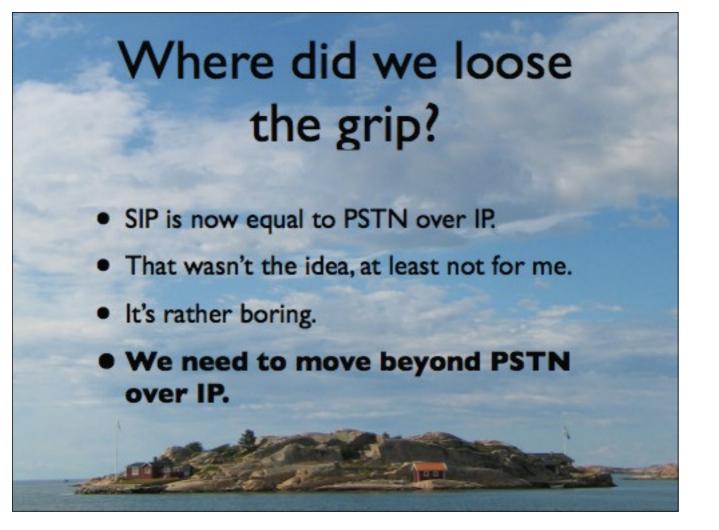


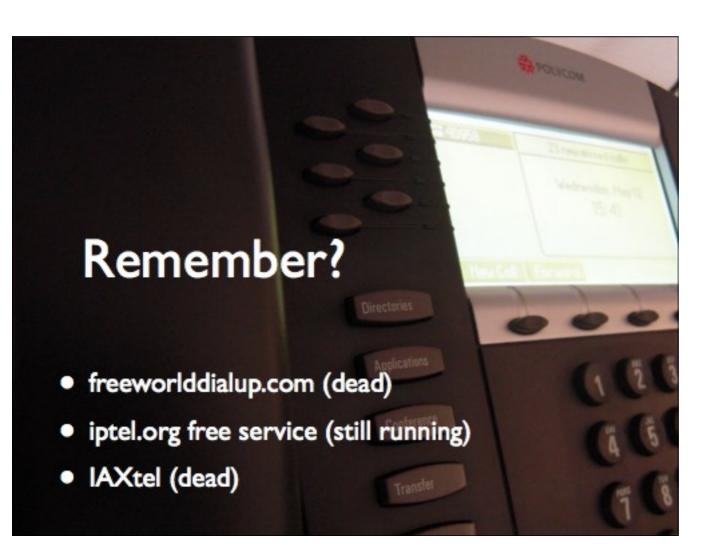
10. Get a new mindset

The new telephony platform is not about telephony.

Copyright 2010, Edvina AB, Sollentura, Sweden. All rights reserved. Approved distribution only. info@edvina.net







Do we have enough power to change?

- Can we break the one site-syndrom?
- Can we build an open and secure federation?
- Let's discuss this in the breaks and tonight.

Where is the IETF

- Seems like the inventors of SIP are now working with RTCweb, trying to fix their errors
- SIP seems to be dominated by PSTN people
- We need to do something about this, the gap between implementations and IETFs work is far too wide.

Kamailio's role in my world

- Kamailio sip-router ser operates the base for the platform I am describing here
- Me and my partners have over 600 proxys running in enterprises and public sector
- For me, it's been rock solid with no security issues.
 (Quite boring from a hadding point of view >)
- It fits right in security, IPv6, presence, multimedia calls and more
- Thank you, Team SIP-router!

Copyright 2008, Edvina AB, Sollentuna, Sweden, All rights reserved, Approved distribution only. Info@edvinu.net



...And please remember at least two things from this presentation:





