

Autonomic Communication vs Resonant Communication Network Architecture

Technology vs Business trends

- Is IP phone (IP VPN, IP CDN) another path for a multi-service network?
 - IP is run over all layer two technologies
 - Experimental results [QofIS2003] show that VoIP quality is even higher than required by ITU-T
 - (15 weeks of world-wide measurements, 72 paths, 33 millions of datagrams)
- All-IP-always-on wireless communication enables mobility and opens user expectations
 - To inherit all advantages of the End-to-End principle need to provide End-to-End through concatenated radically heterogeneous networks (wired, optical, wireless, sensor, ...)
- Competition
 - for service enablers!

Adding Value to Broadband

- Where value lives in networked world? Orchestration!
- Broadband access as enabler of richer orchestration
 - Closer to end-user
 - E2E under finer control
 - Need for finer grained wrappers at edge routers
 - Broadband as enabler for tailored communication
 - Personalised DRM new buisnesses
 - Mediation as a business (3rd party services are traded seamlessly)
- RENA envisaged services and AutoComm's support:
 - ngTelephony (ambient)
 - VPN
 - CDN
 - RHE (real Home environment)
- Mobility increases network capacity
 - Need to seamlessly convey user dentity

AutoComm & RENA

