

Plug-and-Play Multimedia IP Telephony

*UPnP features make IP Multimedia Telephony
simpler and richer for end-users, enterprises,
and operators*

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Today's IP Telephony

- Lack of Plug'nPlay mode :
 - *Installation, configuration and usage issues while in residential environment*
- No interface for device interaction with communication applications
 - *Remote management, configuration, call control, etc.*
- Complex implementation of roaming/mobility
 - *Several phone numbers, email addresses, etc.*

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Enabling Take-Off for residential IP Telephony

- Leverage on multimedia capabilities for personal communications
 - Facilitate usage of multimedia communications for residential users : video calls, conferencing, file sharing, etc.
- Allow applications (based on PC, PDA, etc.) to exploit IP Telephony devices
 - Upload Phone Book, Remote call supervision, etc.
- Facilitate installation : Plug and Play mode
 - Automatic environment discovery and registration
- Give each residential user its personal phone number & communication profiles
 - 1 single SIP-based number/address
 - various customer/location profiles : business, home, etc
- Implement natural mobility capabilities :
 - Home/office mobility, teleworking, unified messaging, etc.

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Benefits for the other telecom actors

- Communication Hardware/Software providers
 - *Enhance interoperability across communication products*
 - *Implement open technical framework for new features development*
- Operators :
 - *Leverage on broadband access*
 - *Propose new multimedia IP telephony services*
 - *Develop new revenue streams*
- Entreprises :
 - *Propose enriched mobility to employees & tele-workers*
 - *Exploit multimedia communication capabilities : conferencing, video calls, etc.*



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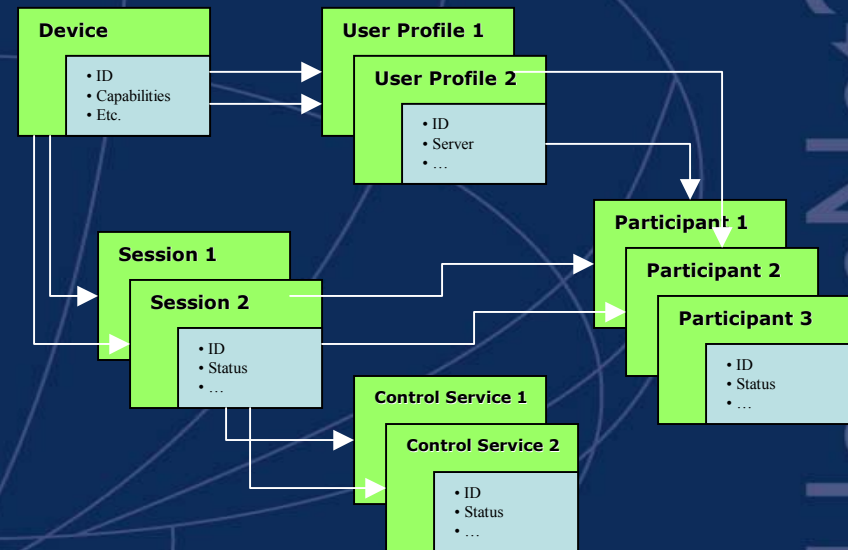
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How it works ?

- Add a UPnP interface to each device, providing following features :
 - Automatic discovery of LAN environment and other VoIP devices
 - Discovery of device capabilities profile (audio, video, file sharing, etc.)
 - Management of end-user profiles, in order to simplify mobility on various networks
 - Automatic registration to the IP Communication server
 - Implementation of call control, device and media remote management mechanisms

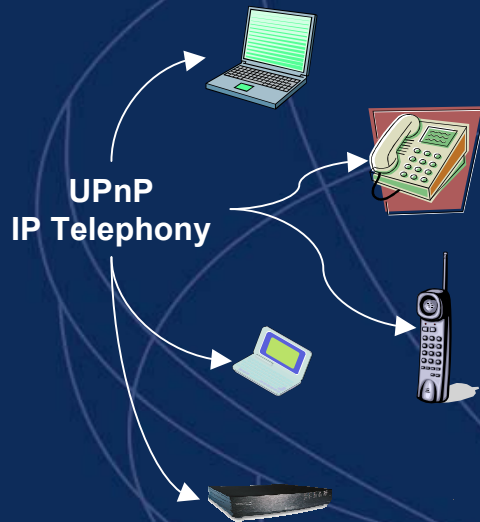
- A flexible UPnP model for IP telephony multi-sessions, multi-medias, multi-lines, multi-users, ...



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What's next ?

UPnP IP Telephony everywhere!



- *Propose these Plug and Play features to the UPnP Forum for standardization*
- *Promote Industry adoption of these UPnP features*
- *Enlarge UPnP services applied to telephony: phone directory localization, SMS/MMS management, QoS, etc.*

Visit us also at THOMSON booth (hall 21) !



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