Home in ZAURUS

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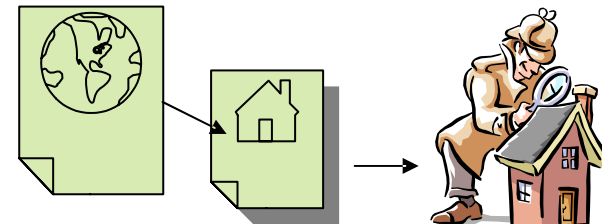4. Conclusion -   if you don't try to build it, you don't know the answer..

Outline – What a pain!! Home appliance power sockets

- I installed an IPv6 home applianc   e socket > I can turn my appliances ON/OFF with my cell phone!! Convenient!

- at first > turn my appli   ances ON/OFF with my cell phone!!   Convenient!

- soon after >   dissati sfaction   How many links do I have to follow to turn off the power? When I turn on the bath, I want th   e air conditioning to start automatically 10 min. later .. Do I   have to turn it on   myself? I have numerous   sockets in my home – each with a different address accessing   them all one at a time is inconvenient

- solution > place a server in the home,   control collectively through the server

- by accessing only the server I was   able to control my home appliances

- still not satisfied > my home and office (SOHO) are in different   locations, to handle both I need to place a server in   each location !! Is it not possible to handle this   collectively?

What should we do …?

> A fixed place server is the problem.

Following the web   "home" is a pain

Proposal/Significance -   I want this!

- you don't have to pl ace a server i n the physical space you want to contr ol

- "Mobile" server

- a server with mobility provides the following conveniences

  - > real time: screen provides an inst ant picture of appli ance status OK

  - > immediate: instant cont rol without net access OK

  - > standardized: office/home etc. regardle ss of the pl ace, i nsta nt control OK
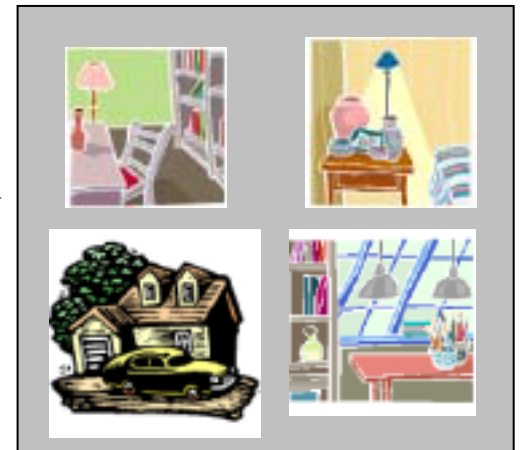
office appli ance control

screenshot

Office appli ance status

Home appliance status

"mobile" server

Home appliance cont rol

All the info in the palm of your hand

Content - if you can 't build it it remains a dream

„ JINI exists but when wi ll it work? I can't wait.

- > it doesn 't exist – I have to make it myself

- software

  - "Home" status display software > GUI toolkit: Qt

  - communication software > file format: XML, file exchange: ftp

- hardware

  - Linux bas ed ZAURUS (bec ause it makes the us e of IPv6 possibl e)

  - power socket control soft and hard war e > home a ppliance socket (IPv6 Promotion Council moderator unit adaption

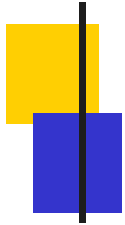 - Net con nectivity

  - AirH dedicated connectivity

File format: XML
Communication protocol: ftp
(this is the best the writer can do)

"mobile" server

Conclusion - if you don't try to b uild it, you don't know the answer..

- Why IPv6? (necessity and need)
    - security: don't want to be hacked
    - Plug&Play: no one configures home appliance addresses
    - address space: home appliances mean IPv6
    - P2: server is unnecessary- distributed handling appliance contr ol syste m developm ent
- they say the net is convenient ..
    - using it makes you realize its inconveniences
    - "more convenient " without user limits
- let's make an OpenSource home appliance control system
- let's build a mobile server and software