



Stichting Embedded Systems Eindhoven

Een UPnP waakhond

Paul van Niekerk

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Oud versus nieuw

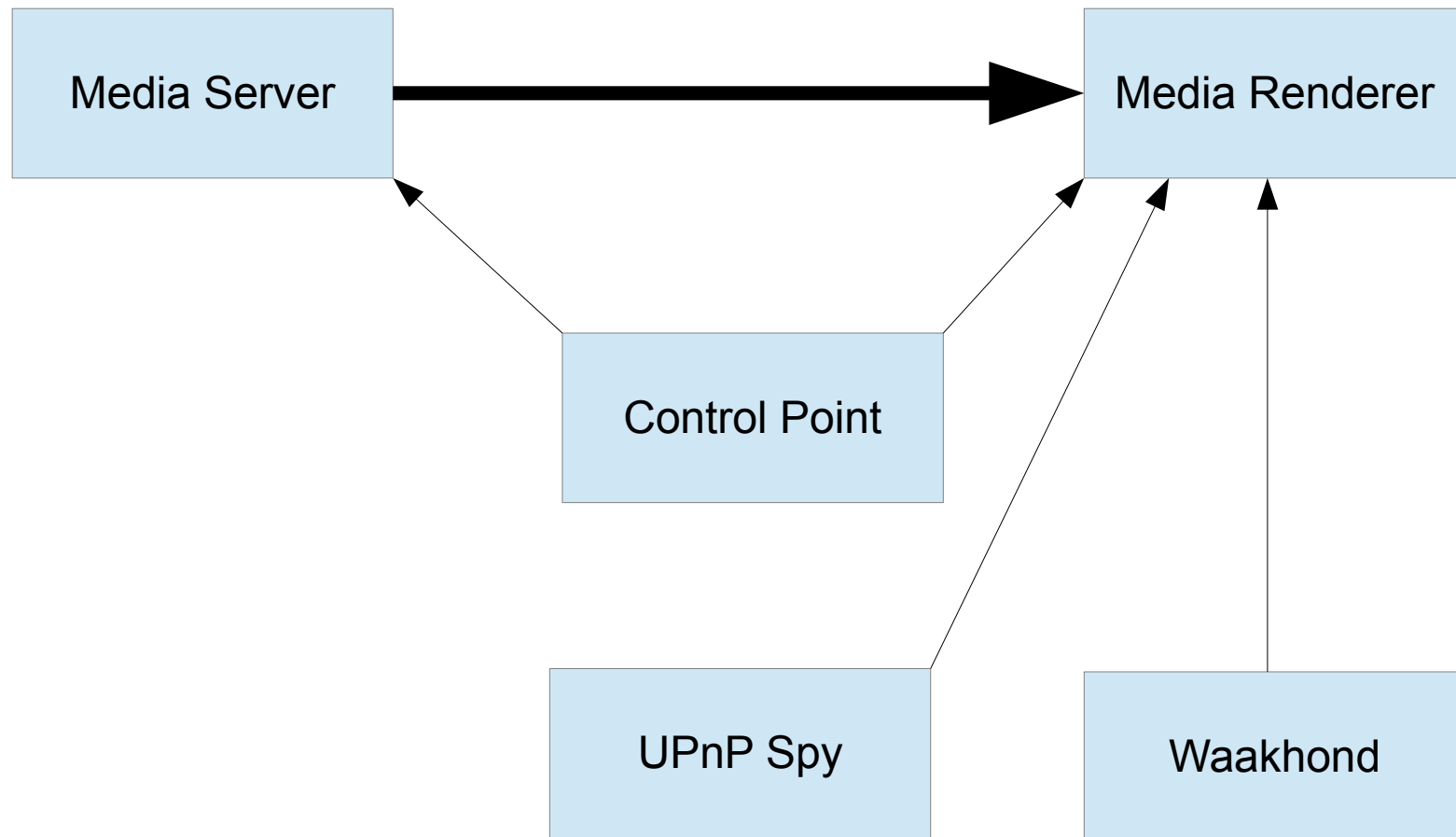
1987:

- Analooq, FM, CD, remote control

2014:

- Digitaal, internet radio, streaming services, App, remote control,
- Account nodig, registratie, service activeren, koppelen met ander account, ...

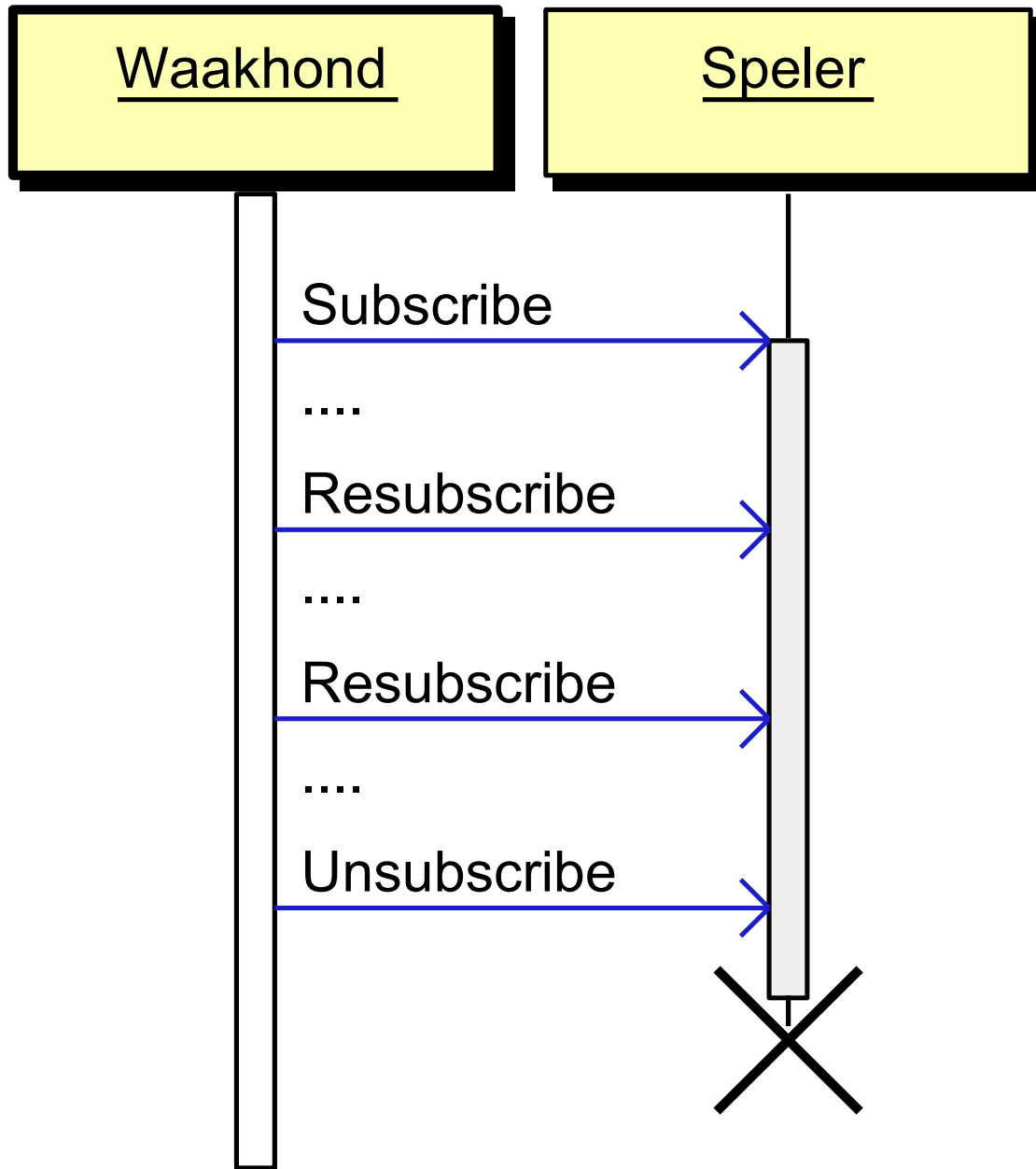
UpnP: Server / Control Point / Renderer



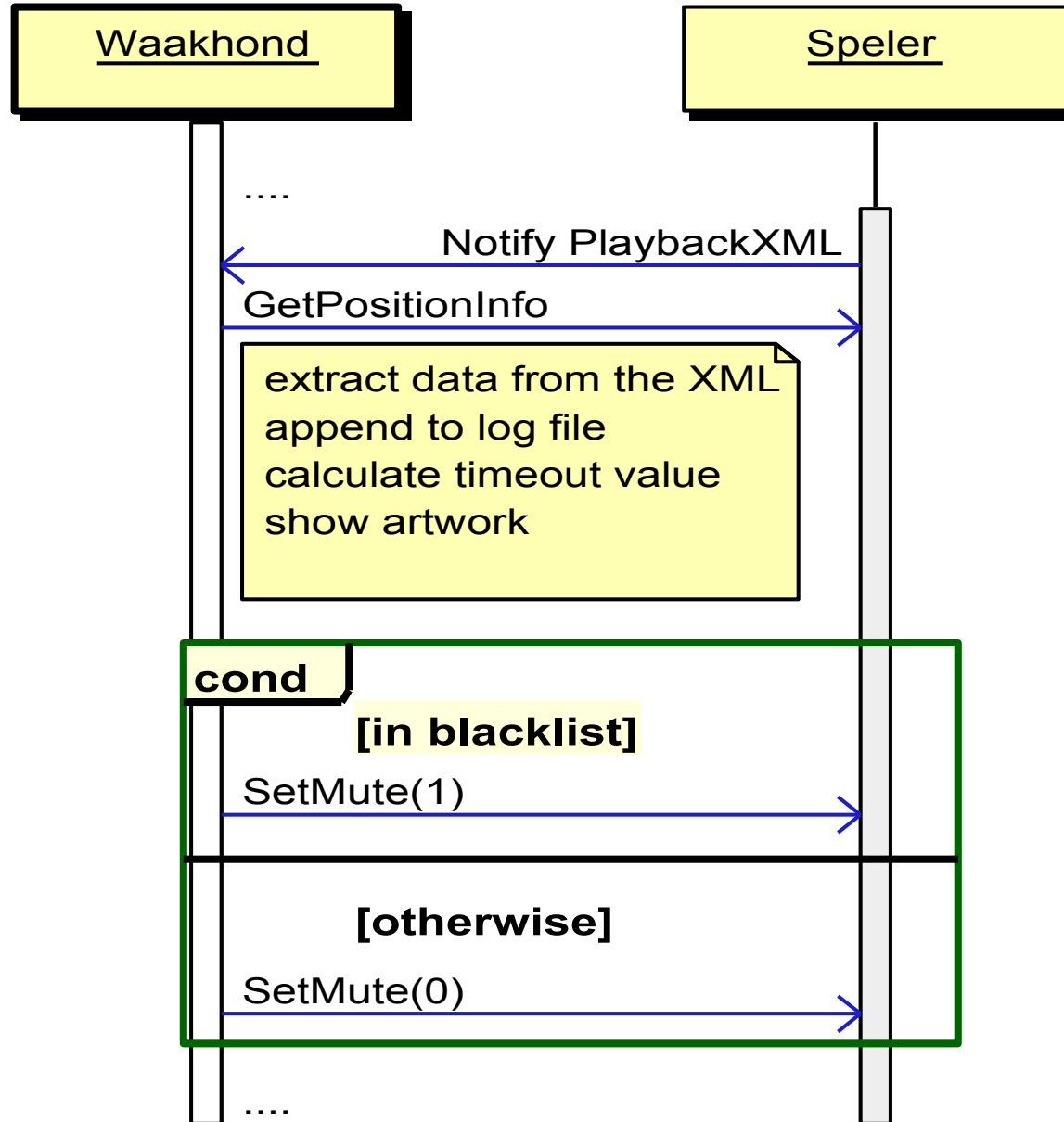
De waakhond

- Watchdog timer
 - Black Listing
 - Playlist Logging
 - Show Album Art
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- No UPnP libraries
 - Simple, Portable => Perl script

Msc: Subscribe

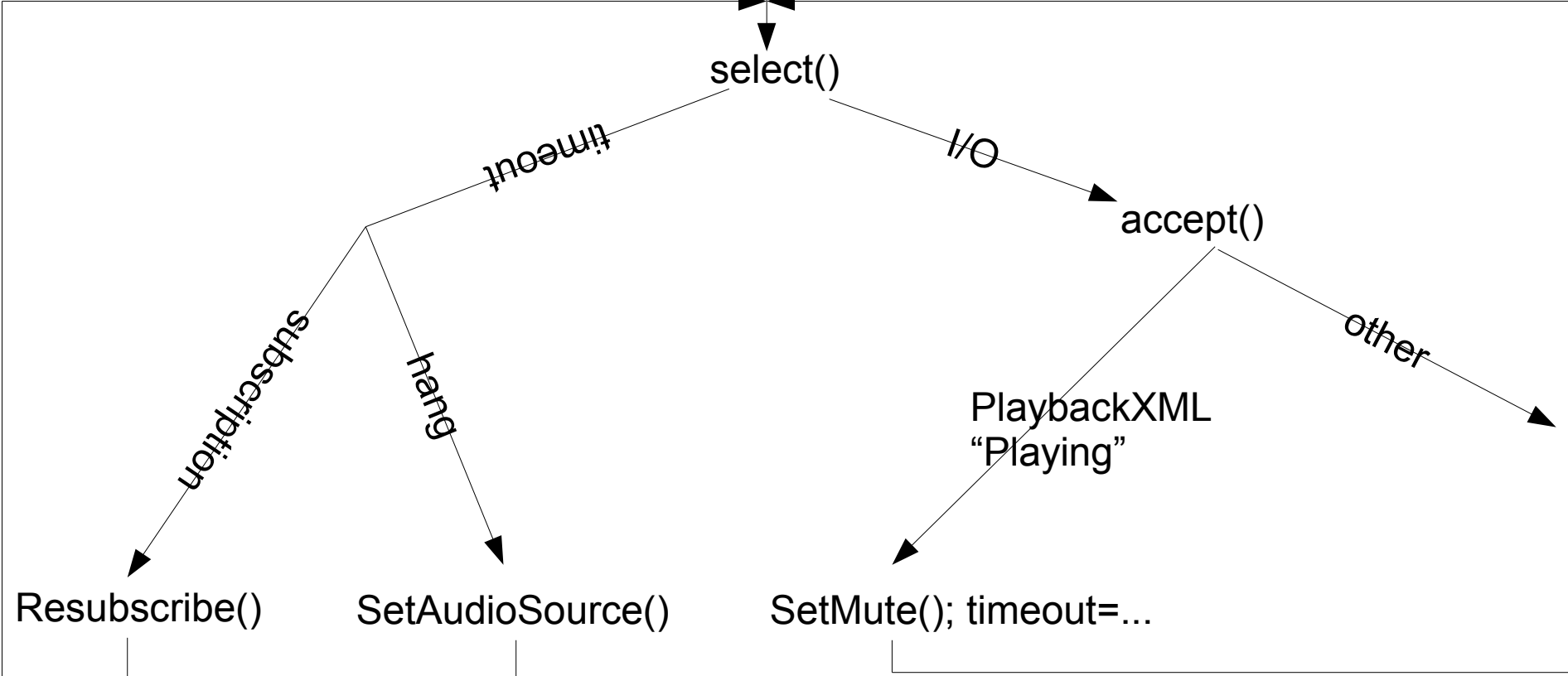


Msc: Notify



Single Threaded Design:

socket(), bind(), listen()
Subscribe()



Status

Working:

- Playlist logging
- Blacklisting

Almost working:

- Watchdog timeout
- Http daemon for Album Art