

UPnP / DLNA plugin

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Overview

- UPnP (Universal Plug and Play) is a set of protocols which allows discovery of and access to media contents in a home network (connected via router)
- DLNA (Digital Living Network Alliance) is a standard built on the top of UPnP protocols, supported by most modern TVs, pads and phones.

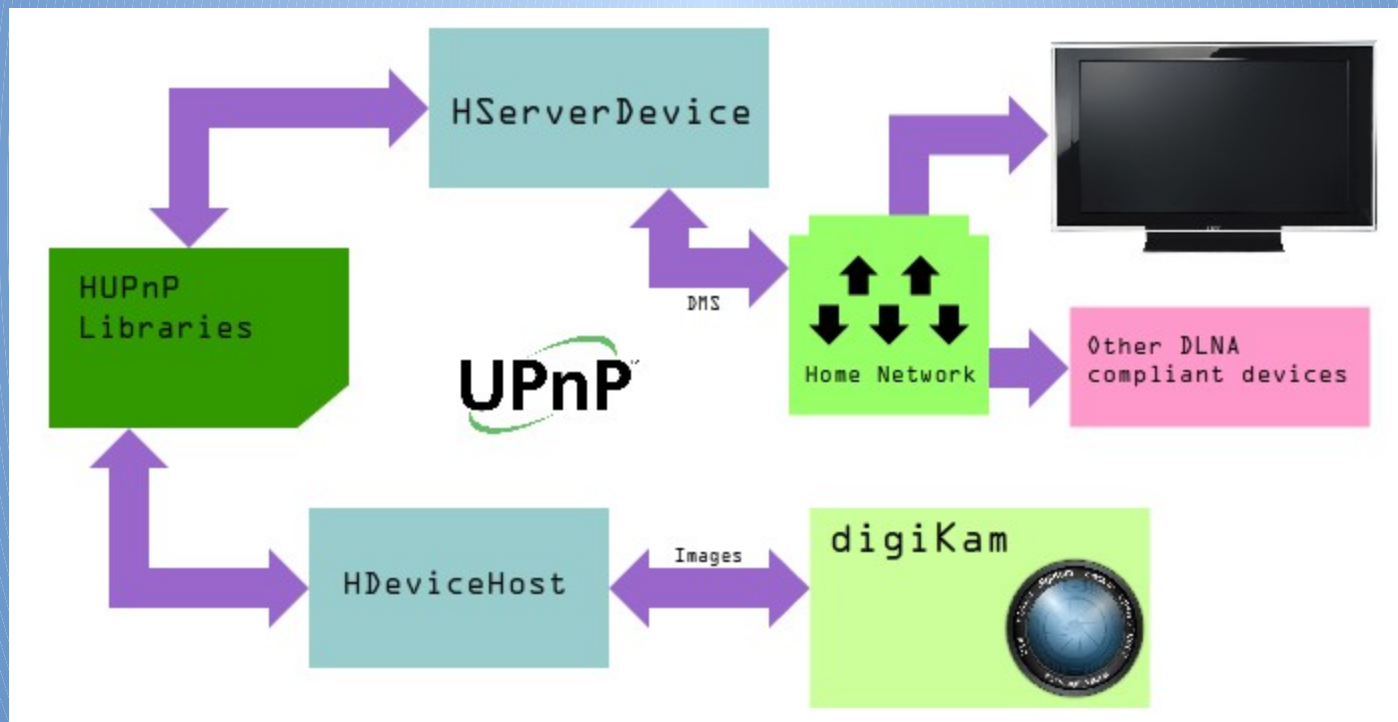
Aim of the project

To develop a UPnP / DLNA plugin for digiKam so that it allows discovery of digiKam's collection over all DLNA compliant devices in a home network

Motivation / Use-case / Importance

- Will give you the ability to share your images on all the devices without duplicating them.
- Will support digiKam's virtual albums based on searches / tags / etc.
- Will make digiKam the only open source application to have an inbuilt UPnP plugin (AFAIK)

Implementation



Key implementation ideas

- Use of HUPnP libraries.
- Support for digiKam's virtual albums
- Support maximum image formats by on-the-fly transcoding
- Multi-threading and preloading to make things faster

Current Progress

- Most basic skeleton / model ready
- Working on pads and phones. Debugging is going to make it work on TVs

My background

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Thank you