

Keyboard_blue



E-prints 4cc

The complex nature of documents



▶ .doc

▶ .docx



▶ .pdf

▶ .pdf(a)



▶ .tex

The complex nature of images

- ▶ TIFF
- ▶ JPEG
- ▶ JPEG2000
- ▶ PNG
- ▶ BMP?
- ▶ GIF

- ▶ (images don't have icons)

The complex nature of video



▲ flash



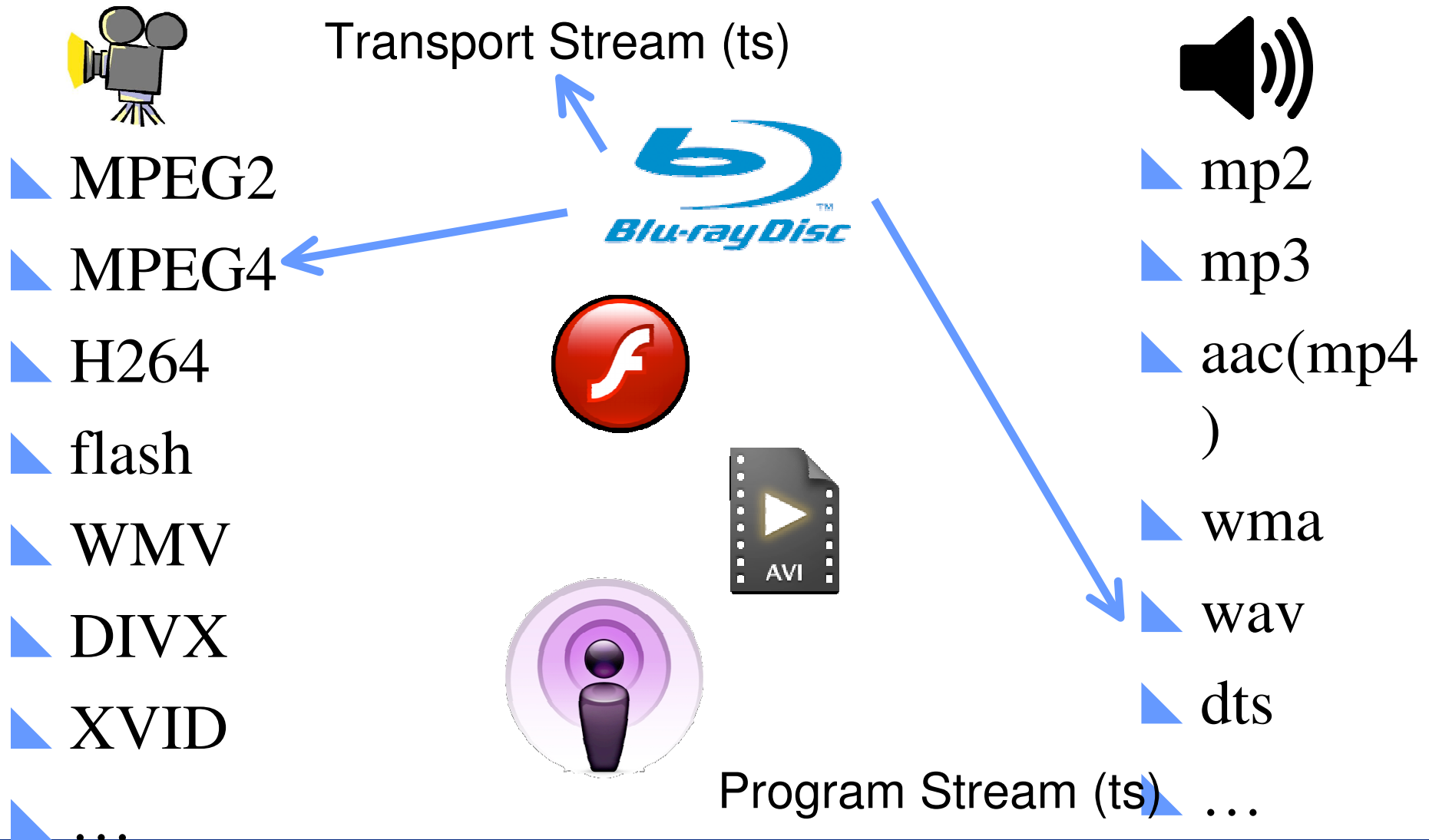
▲ podcast



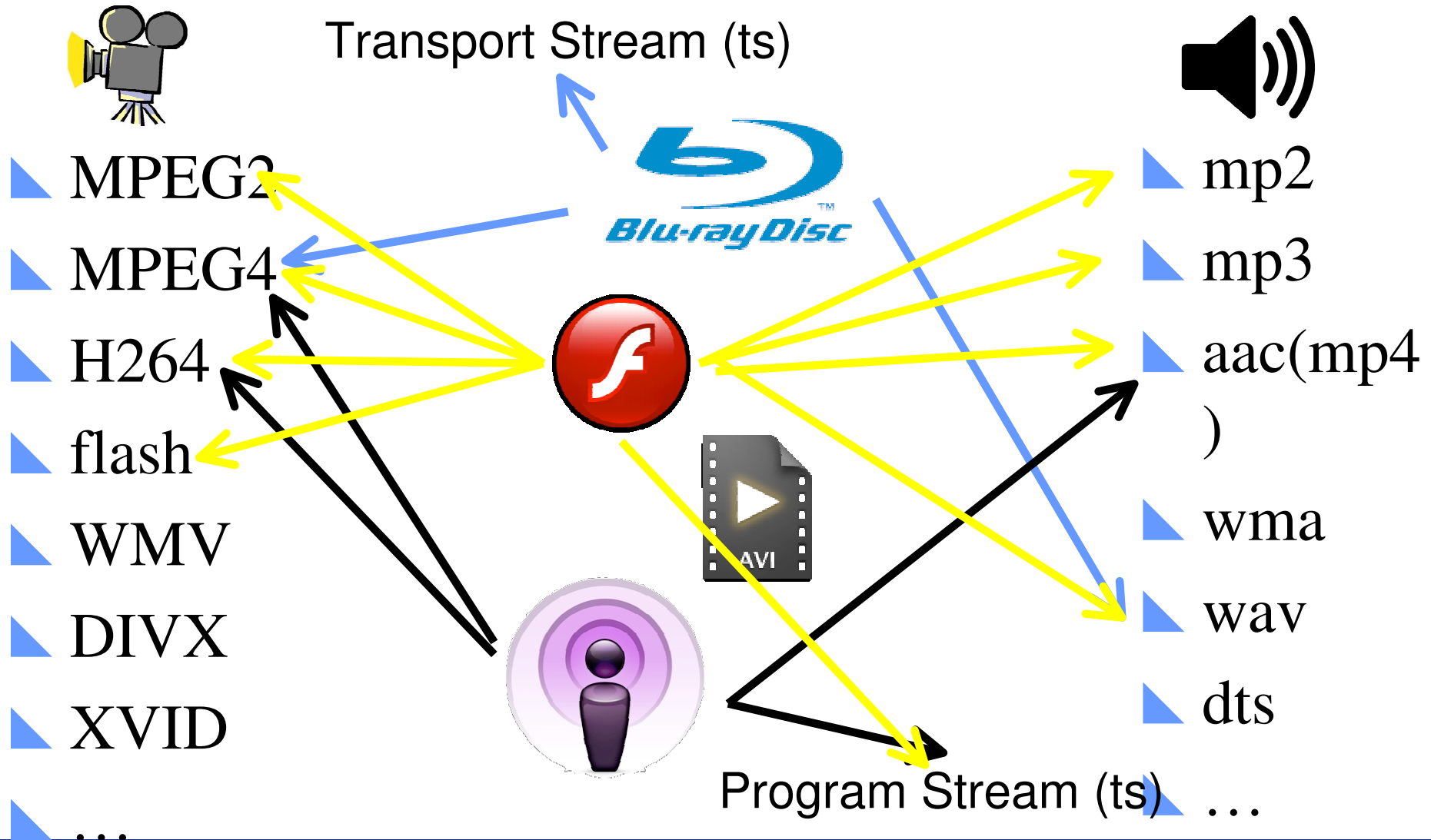
▲ DVD

▲ blu-ray

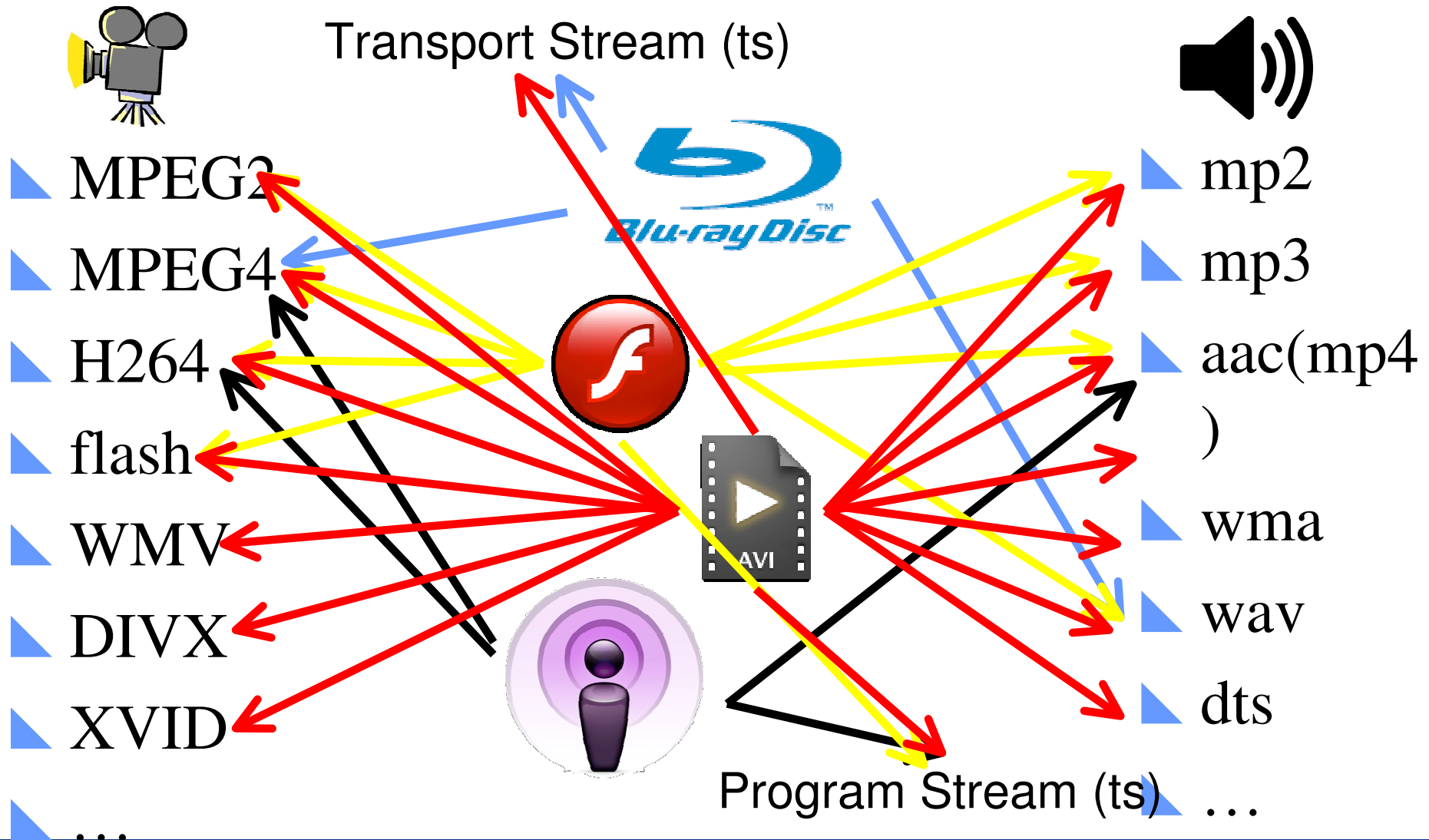
The complex nature of video



The complex nature of video



The complex nature of video



- ▶ iPod/iPhone only support certain types of mp4/mov/m4v file.
 - ▶ No flash support even though most flash is now the same video/audio as the mp4 file, just different wrapper.
- ▶ Zune is altogether different.
- ▶ As are most of the rest

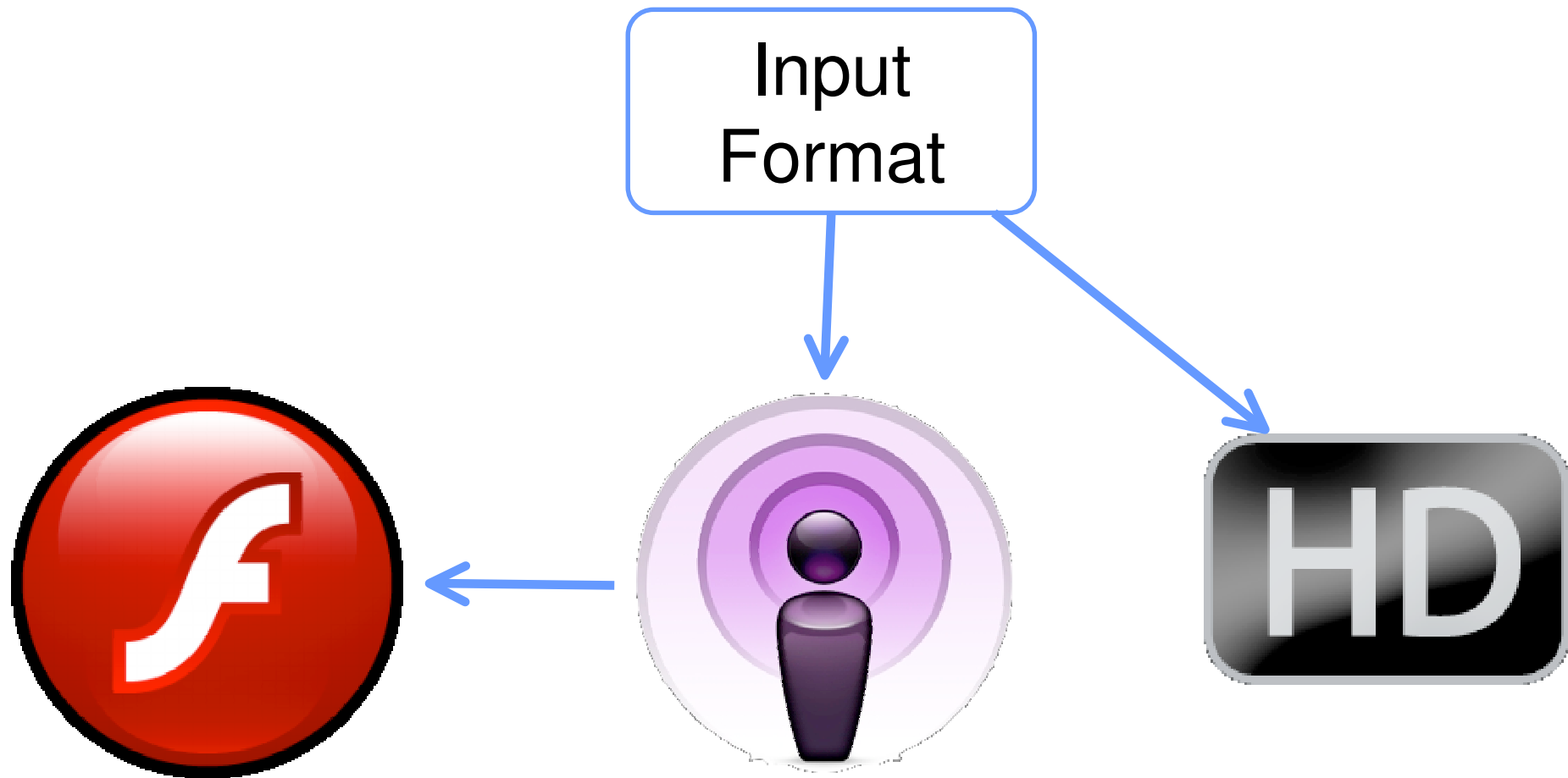
Source Formats

- ▶ AVC/HD (2.5Gb an hour)
- ▶ mp4 – iPhone 4
- ▶ WMV – flipcam (windows)
- ▶ AVI – flipcam (linux/OS X)

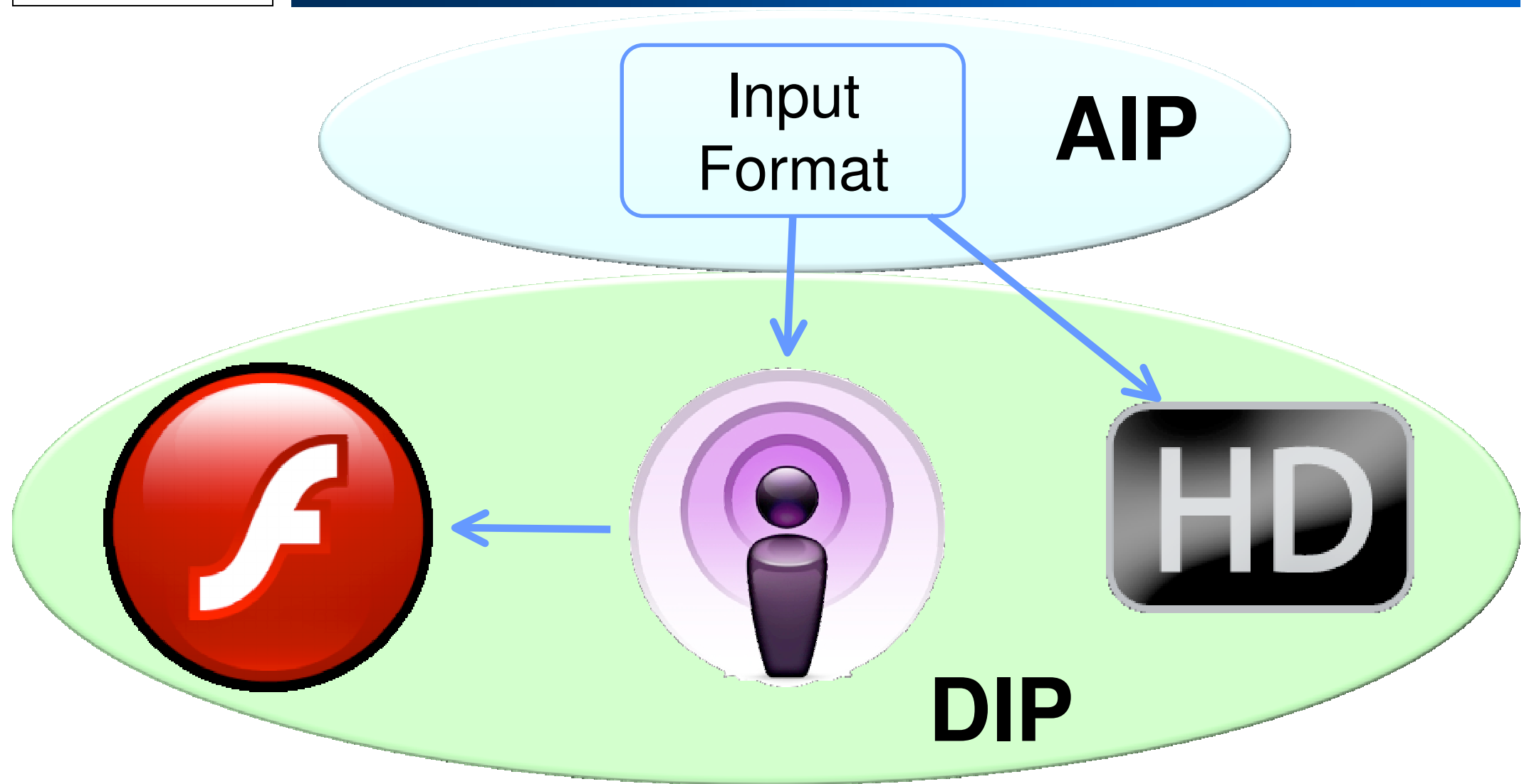
ffmpeg

- ▶ Fantastic open source library which can transcode (migrate) pretty much any format to any other.
 - ▶ A community effort, so half the time you have to hope.
- ▶ Used in the culture plug-in.
 - ▶ Supported in core by EPrints 3.3
- ▶ AVC/HD to mp4 takes over 12 hours for 1 hour of content.

vidEPrints @ Southampton



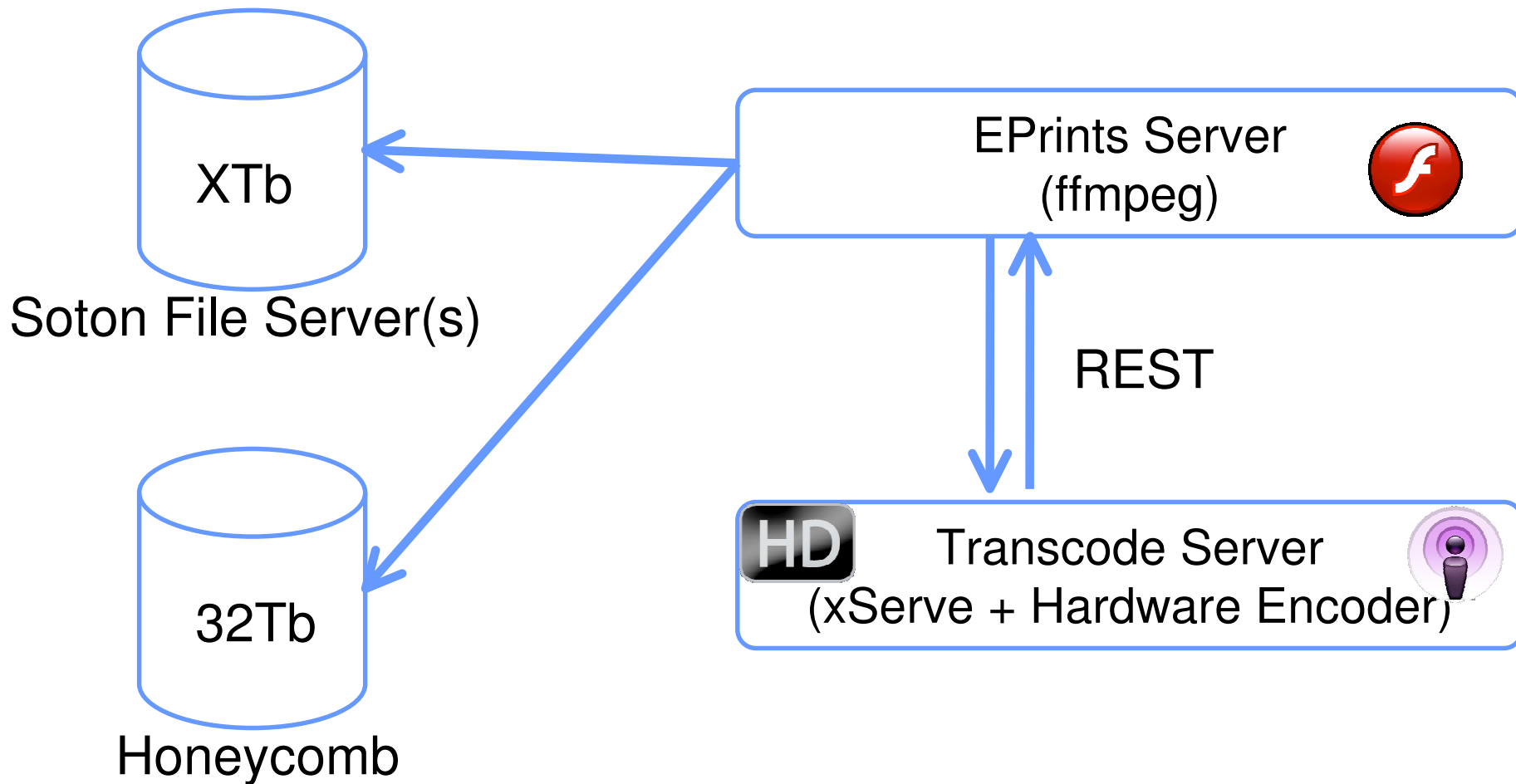
vidEPrints @ Southampton



2 Problems

▲ Storage / Preservation / Provision

▲ Transcoding for your clients



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E-prints 4col