

A community effort to improve metadata

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How do we find TV?

- Just watch what's on

OR

- Dereference a pointer (yuck!)

This is what I would like

- Permanent URL representing each single program and series
- Links to program locations:
 - Comprehensive
 - Well described
 - ‘Fetchable’ without my help
- Flexibility to improve the information using features of the web
 - augment a URL with extra information (e.g., alternative versions)
 - permanently redirect to a better URL
- Simplicity (web, not EBU)

That's funny...

...I guess we're on our own here, for a while

A practical approach

- Simple but extensible webby data (based on current standards)
- Reference implementation
 - API-based
 - Data licensed liberally
 - Possibly at uriPlay.org
- Crowd sourcing
 - Community effort to convert and scrape data
 - Lobbying of content owners to take over

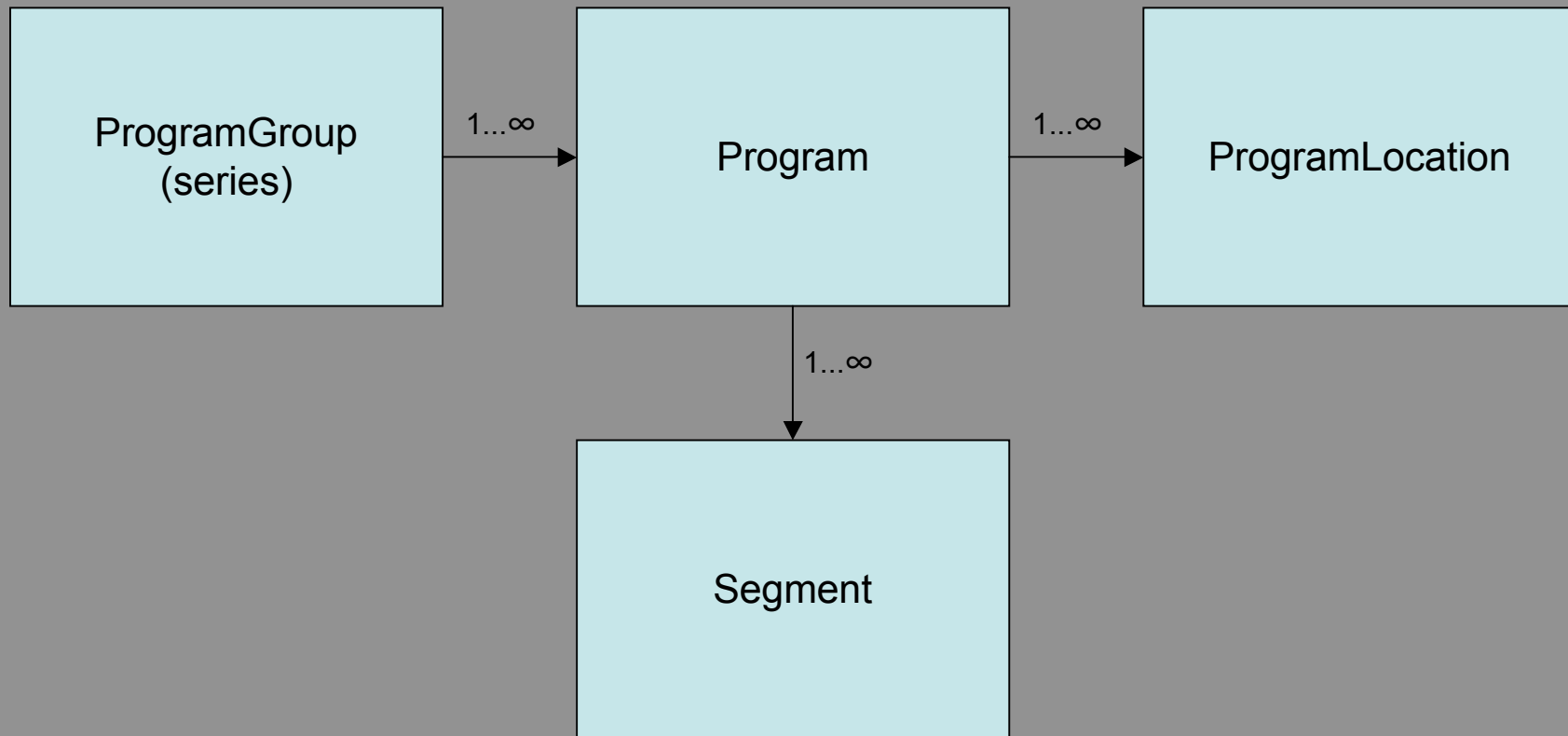
What about existing standards?

- TV anytime:
 - Complex (many to many relationships EVERYWHERE)
 - No notion of information spread across multiple URLs
 - No notion of permanent redirection
 - Limited representation of current formats/protocols
- XMLTV:
 - Schedule-based
 - Broadcast channel is **REQUIRED**

Proposed data format

- *Simplify*: Defined minimal (simple) subset of TV Anytime
- *Update*: define how bittorrent, flash, iPlayer, etc etc are represented
- *Webify*: use of HTTP redirection status codes
 - 300 multiple choices
 - 301 moved permanently
 - 303 see other

A subset of TVA relationships



Reference implementation - GET methods

getAllLocations(program-info-url)

returns list(location-uri)

getBestLocation(program-info-url, preferences)

returns location-uri (*possibly via content negotiation*)

getProgram(location-uri)

returns program-info-url

getProgram(broadcast-channel, broadcast-time)

returns program-info-url

getPrograms(program-group-info-url)

returns list(program-info-url)

Reference implementation - POST methods

```
addProgram(program-info-url, description)
addProgramGroup(program-group-info-url,
  list(program-info-url, description)
addLocation(location-uri, program-info-url,
  description)
```

```
addExtension(local-info-url,remote-info-url)
redirect(local-info-url, remote-info-url)
```

Reference implementation - DELETE methods

`deleteLocation(location-uri)`

`deleteExtension(remote-info-url)`

HELP!