Common Metadata 2.7 Updates

DRAFT (9-August-2018)

Summary of changes

- ‘noforced’ subtitle Type
- ‘Production’ ReleaseType
- CountryOfOrigin 0..1 → 0..n
- Added People/Job/CharacterInfo for localization, IDs and nonfictional
- Parent (esp. for regional episode ordering)
- “ContentRelatedTo”
  - Includes ‘based on *x*’, and Universe, Brand and Franchise
- New WorkType enumerations
- Compliance (e.g., Photosensitive Epilepsy testing status)
- Gender encoding improvements

‘noforced’

- Problem
  - Some video comes with open forced subtitles
  - Need to flag subtitle tracks without forced subtitles (i.e., gaps where forced subtitles would be)
- Solution
  - Add ‘noforced’ as subtitle Type
    - Used in conjunction with other Type values such as ‘normal’ or ‘SDH’
    - Can’t be used with ‘forced’

‘Production’ ReleaseType

- Problem
  - No way to express Production year or date (could be different from ReleaseDate)
- Solution
  - Add ‘Production’ ReleaseType
  - Date can be found in RelaseHistory/Date when ReleaseHistory/ReleaseType=“Production”

CountryOfOrigin 0..n

- Problem
  - Can be more than one Country of Origin
- Examples
  - Ireland and Canada
    - https://www.fr.universcine.be/films/maudie
  - Canada, Sweden and UK:
    - https://www.fr.universcine.be/films/the-killer-inside-me
- Solution
  - Change cardinality of CountryOfOrigin to 0..n

‘Character’ not localized; no character IDs

- Problem
  - Cannot localize People/Job/Character
    - For example “Chewbaka” in Korean “츄바카”
  - Characters cannot be assigned IDs
  - No way to know if character is nonfictional
- Solution
  - Add CharacterInfo object to include localization (including original) and optional IDs
  - Add NonFictional (boolean) and @context (string)
    - @context is currently undefined, but can include information like “cameo” or “combination” (combination of multiple people)
  - Note that this is redundant with Character
  - Why not put in LocalizedInfo?
    - LocalizedInfo/PeopleLocal use for dubbing actors
    - No linkage between LocalizedInfo/PeopleLocal and Basic/People.
    - Actors would be handled differently than other cast and crew.
    - Doesn’t solve ID problem.

Parent Sequence

- Problem
  - Can’t have different parents for different regions.
  - Can’t have different ordering (especially episodes) for different parents/regions
- Solution
  - Add SequenceInfo to Basic/Parent object
    - This allows different sequencing for different parents
    - Note that this is not backwards compatible with Basic/SequenceInfo (now expressed in two locations). When there’s only one Parent/Sequence, both Basic/SequenceInfo and Basic/Parent/SequenceInfo should be populated
  - Add Region and ExcludedRegion to Parent
    - This mirrors MMC and has the same functionality
  - Note that MMC and MEC now have the same structure
    - ExperienceChild + SequenceInfo in MMC
    - Parent + SequenceInfo in MEC

Universe, Brand and Franchise

- Problem
  - No way to express
    - **“Universe”** e.g., MCU, Star Trek, Fantastic 4, X-Men, DCEU, Arrowverse, Middle Earth
    - **“Brand”** e.g., Marvel, Universal, Pixar, Disney, Lego, ABC, "Marvel Netflix“
    - **“Franchise”,** Wolverine, Wonder Woman, Thor, Captain America, Deadpool, Star Trek TOS, Star Trek TNG, Star Wars Original Trilogy, Star Wars, Prequel Trilogy, Star Wars Legends, Superman, Batman Nolan, Godfather, Ant-Man, Bond Moore, Bond Craig, Bond Brosnan, Minions, Cars, LOTR, Avenger
- Solution
  - Add GroupingEntity with Type = “Universe”, “Brand” or “Franchise”
  - Will need best practices

Related To

- Issue
  - Content is often based on another work (e.g., a book series)
  - No way to express
    - **“Universe”** e.g., MCU, Star Trek, Fantastic 4, X-Men, DCEU, Arrowverse, Middle Earth
    - **“Brand”** e.g., Marvel, Universal, Pixar, Disney, Lego, ABC, "Marvel Netflix“
    - **“Franchise”,** Wolverine, Wonder Woman, Thor, Captain America, Deadpool, Star Trek TOS, Star Trek TNG, Star Wars Original Trilogy, Star Wars, Prequel Trilogy, Star Wars Legends, Superman, Batman Nolan, Godfather, Ant-Man, Bond Moore, Bond Craig, Bond Brosnan, Minions, Cars, LOTR, Avenger

Related To

- Relations
  - Work: Content can be *based-on* a work (e.g., a book series)
  - Places: *is-about-place*, *performed/filmed-at*, *take-place-at*
  - People: *is-about* (primarily, also)
  - Periods or events: *is-about-event, takes-place-during*
- Objects can be real, fictional or fictionalized
- Degree to which content relates something can range from loose (e.g., fictionalized) to strong (accurate)
  - Modifications can include combining characters, inventing dialog, etc.

Based on structure

- Initial
  - Relationship
  - Work – reference to a work (anything in WorkType)
    - See new WorkType enumerations
  - Description – consumer facing descrption (localized)
  - GroupingEntity – covers franchise, universe and brand (same used to group for retail)
- Future
  - People
  - Place
  - Period
  - Event

WorkType enumerations

- Problem
  - Some material needs to be described for functions such as bonus/interactivity or a relationship (e.g., based on this book)
  - No WorkType enumerations for ‘cards’
  - Current WorkType don’t cover these areas
- Approach
  - Add WorkType values that are general enough to cover broad areas.
  - Use WorkTypeDetail to provide additional information when necessary
  - WorkTypeDetail change from 0..1 to 0..n
- New Values
  - Written Work – novels, comic strips, graphic novels, etc.
  - Visual Art – painting, sculpture, photograph
  - Performance Art – Play, musical, opera, ballet. Music is covered elsewhere
  - Amusement – Games (video, board), toys, amusement park rides
  - For cards: “Dub Card”, “Rating” and “Antipiracy”

Compliance

- Problem
  - Need to specify whether track complies with various standards
- Solution
  - Add “Compliance” to every track type
    - Category – what is the category (e.g., “PSE” for photosensitive epilepsy)
    - Standard – against which compliance is determined
    - Disposition – pass/fail/pending/other
    - CompetentAuthority – Who issues certification
    - Certificate – ‘Image’ of cert (e.g., PDF in xs:base64Binary)
    - TestingOrganization – either self-test or 3rd party
    - TestingMethod
    - Comments

Gender (scope)

- "Gender" element is intended to encode gender identity. That is, how a person publicly identifies, not necessarily how some in society might view them
  - Sexual orientation or preference is not included/encoded
  - Gender expression (e.g., gender-specific clothing choice) is not included/encoded
  - Sexual reassignment status is not included/encoded

Gender

- Problem
  - Gender object does not represent diversity of genders
  - Terms:
    - ‘Other’ is missing
    - ‘Plural’ isn’t a good category
  - No gender in Character
- Solution
  - Define new Gender-type
    - Add @transgender xs:boolean
    - Add @specificGender for more specific self-identified gender
    - Remove enumeration in type definition, assign to xs:string-Gender
    - Deprecate ‘plural’ gender
  - Define People/Gender as md:Gender-type
  - Add Character/Gender of md:Gender-type

Media Manifest 2.8 Updates

DRAFT (26-June-2018)

Summary of changes

- Drafted
  - Reference CM v2.7
  - Added Source to MediaManifestEdit
  - Add equivalent to ALIDExperienceMap for things that aren't ALIDs (e.g., seasons, universes, franchises, etc.)
  - Regional Clips for cards
  - Add descriptive info to Presentation/TrackMetadata to make it easier to sort out what the grouping is for (e.g., commentary).
- Deferred
  - Should we allow timecode in hh:mm:ss:FF (frame). Currently, we only support fractional seconds (for encoding independence)

Regional clips

- Problem
  - Cards are played selectively by territory
  - Need a mechanism to select cards without having to make unique regionals Presentation and Experience for each territory
    - Solution should mirror what's done for dub cards (with language)
  - Solution
    - Add Region to Clip and ImageClip
    - Only clips that match region are played
    - No "Region" implies worldwide
    - "Within a set of Clips in a Playable Sequence with the same Sequence value, if any Clips have Region set, at most one Clip may have Region absent."
      - This should work better than RegionExcluded.

MediaManifestEdit/Source

- Problem
  - Source information needed for MediaManifestEdit (just like MediaManifest)
  - MediaInventory needs attributes and Source
- Solution
  - Add MediaManifestEdit/Source
  - Added attributes and Source to MediaInventory

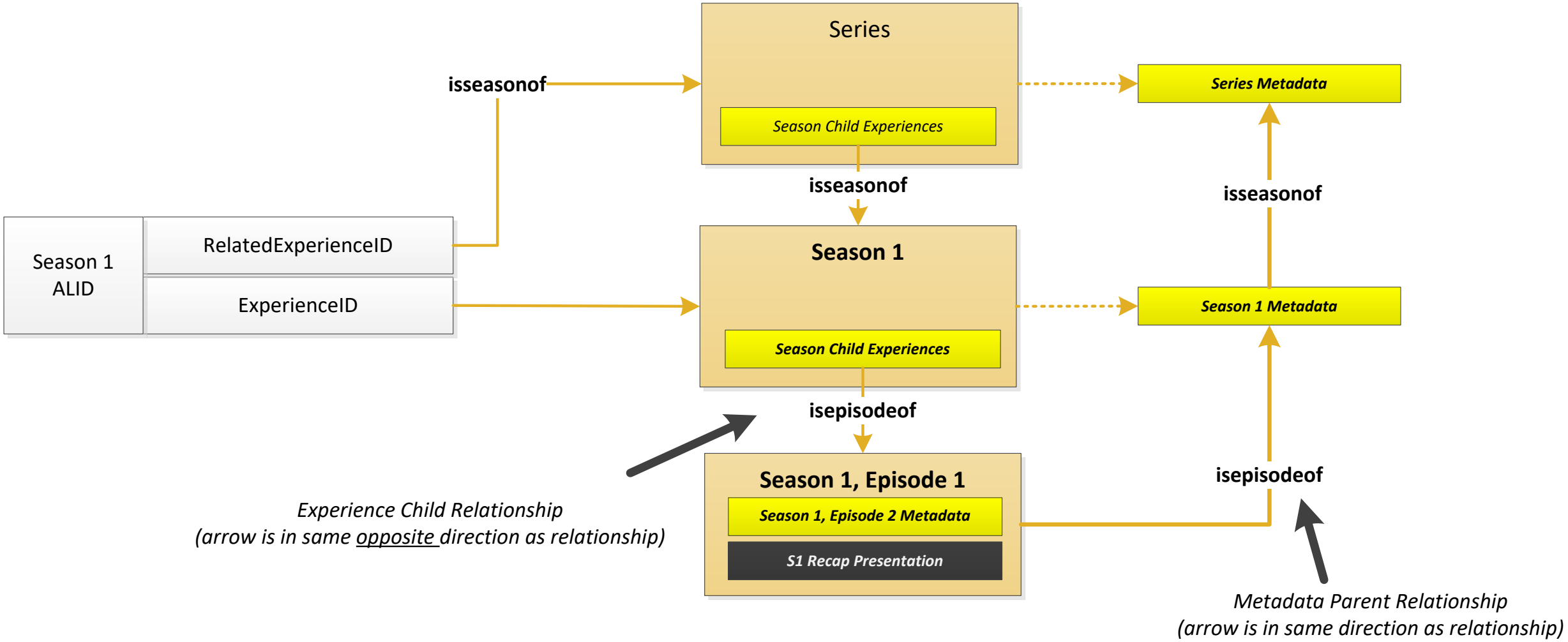
Presentation/TrackMetadata metadata

- Currently
  - TrackMetadata contains TrackSelectionNumber and references to tracks
  - TrackSelectionNumber can group tracks for reasons such as commentary (e.g., commentary audio grouped with commentary subtitles)
  - One must infer what the grouping is about by looking at tracks in Inventory
  - Some assets like cards are provided without MEC metadata, so we need a way to identify them.
- Solution
  - For content Add WorkType and WorkTypeDetail from Common Metadata
    - Note that this depends on additional card WorkTypes (‘Dub’, ‘Rating’, and ‘Antipiracy’)
  - For encoding groupings (e.g., premium tracks) Add EncodingIntent (xs:string)
    - Not controlled vocabulary, but maybe later.

Mapping other things to Experience

- Problem
  - Things that aren't "Availed" don't have ALIDs. Can't map in ALIDExperienceMap
  - Examples: Seasons, Universe, Franchise, logical collections of things
- Solution
  - Add RelatedExperienceID to ALIDExperienceMap
  - Use same relationships as Parent and GroupingEntity

Series/Season example



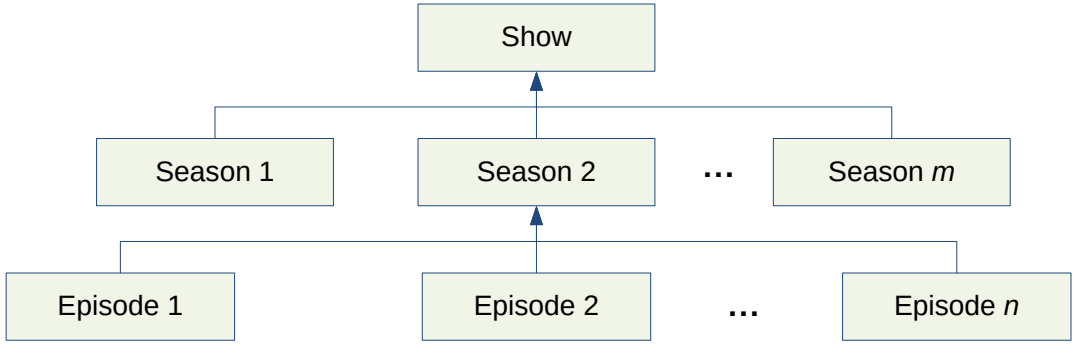
Timecode (deferred)

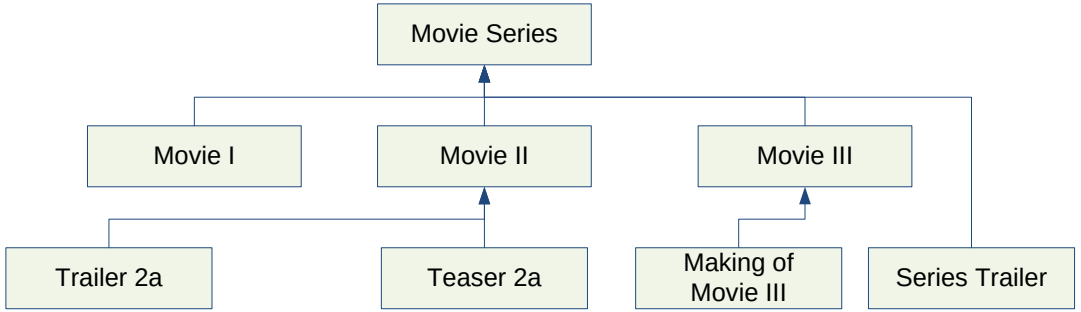
- Currently
  - Timecode is hh:mm:ss.ss – fractional seconds used rather than frames. Includes @dropframe.
  - Sufficient to distinguish individual frames
  - This works independently of framerate transcoding (e.g., HFR)
- Discussion
  - Should we also allow hh:mm:ss:FF(FF=frame)?
  - This would obviate the need for conversion in some circumstances

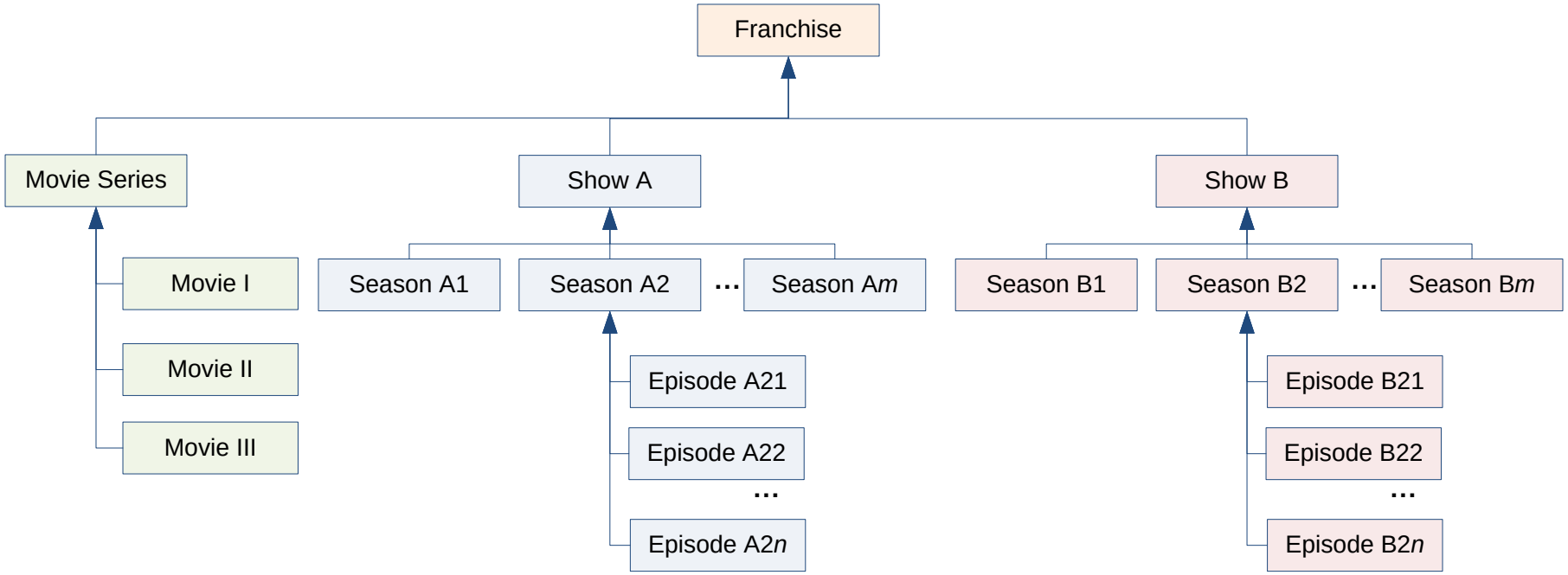
Backup

Use cases for Related Experience

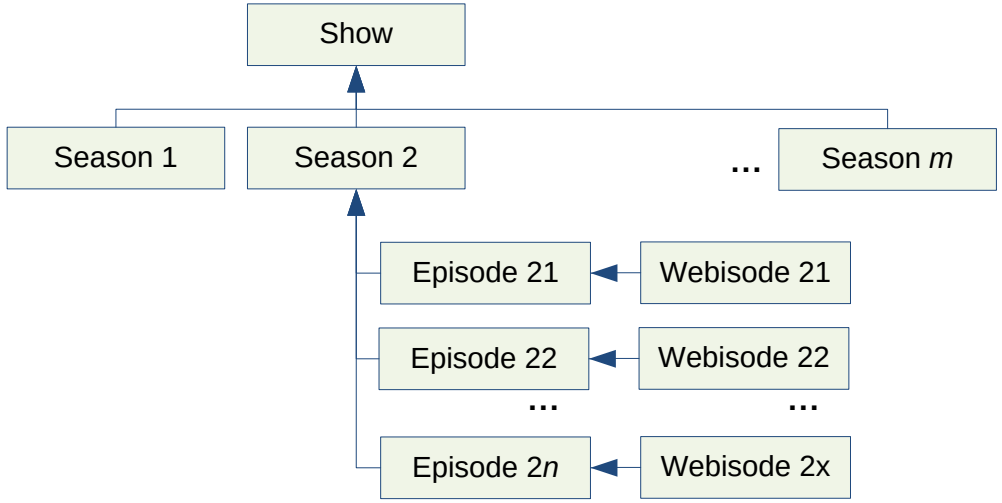
CM Parent object (points up)

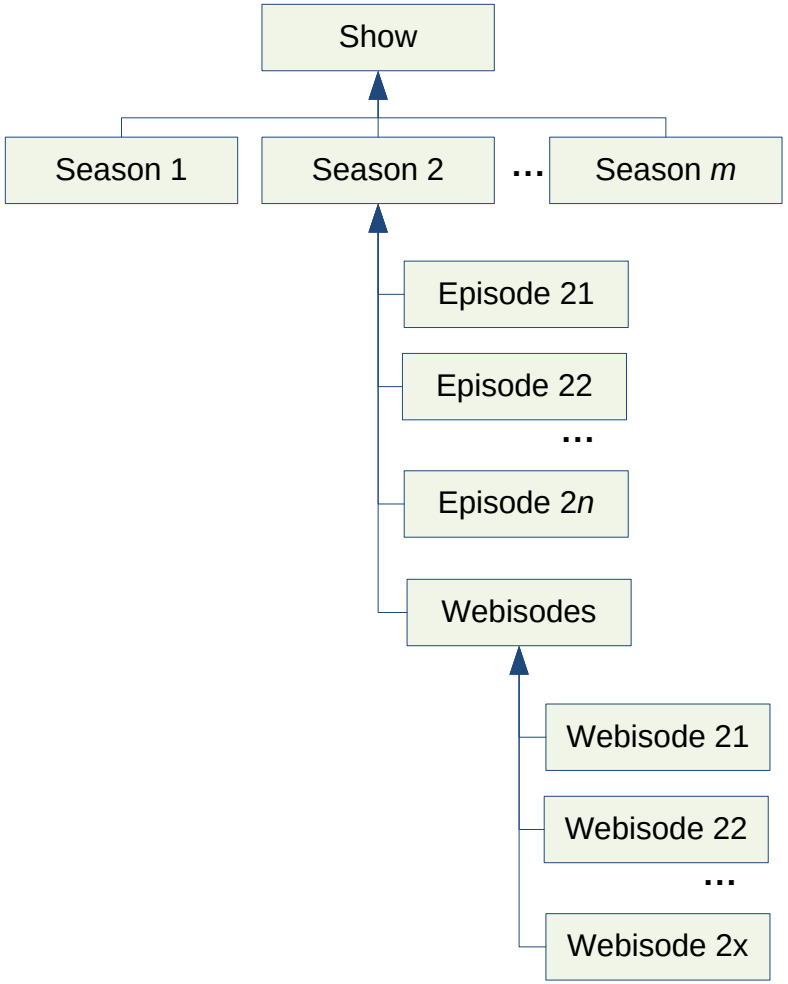


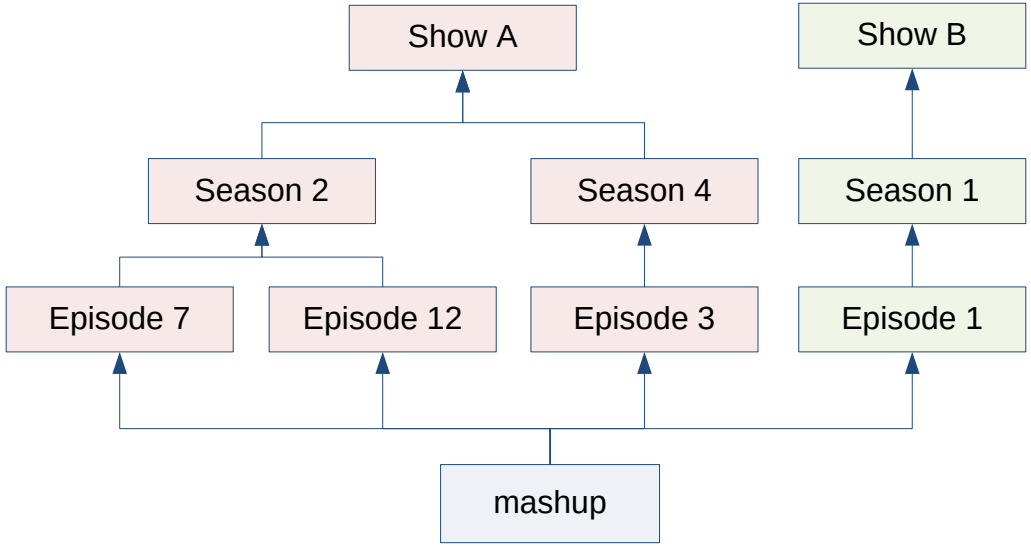




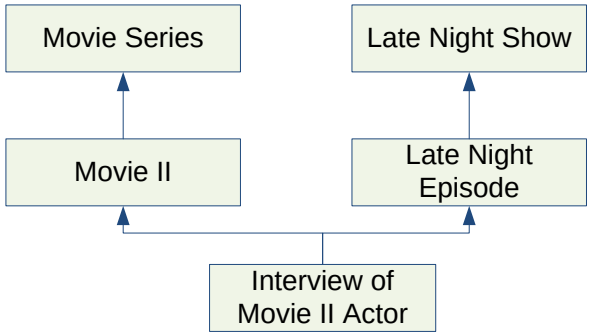
Parent


Show
Season 1
Season 2
...
Season *m*
Episode 21
Webisode 21
Episode 22
Webisode 22
...
...
Episode 2*n*
Webisode 2x

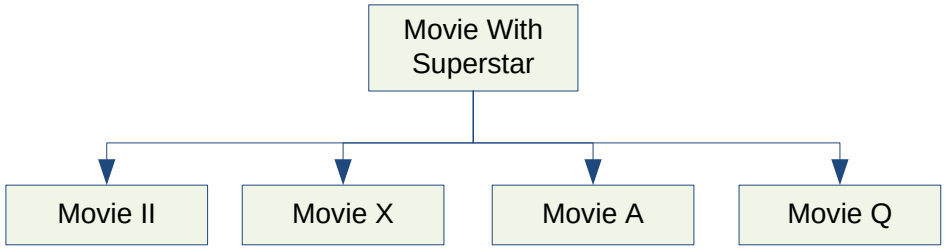

Show
Season 1
Season 2
...
Season *m*
Episode 21
Episode 22
...
Episode 2*n*
Webisodes
Webisode 21
Webisode 22
...
Webisode 2x

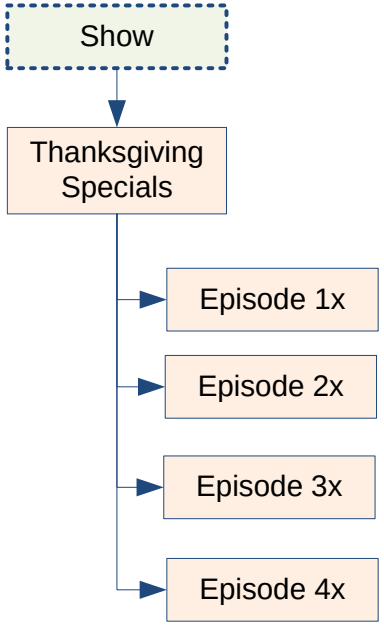

Show A
Show B
Season 2
Season 4
Season 1
Episode 7
Episode 12
Episode 3
Episode 1
mashup

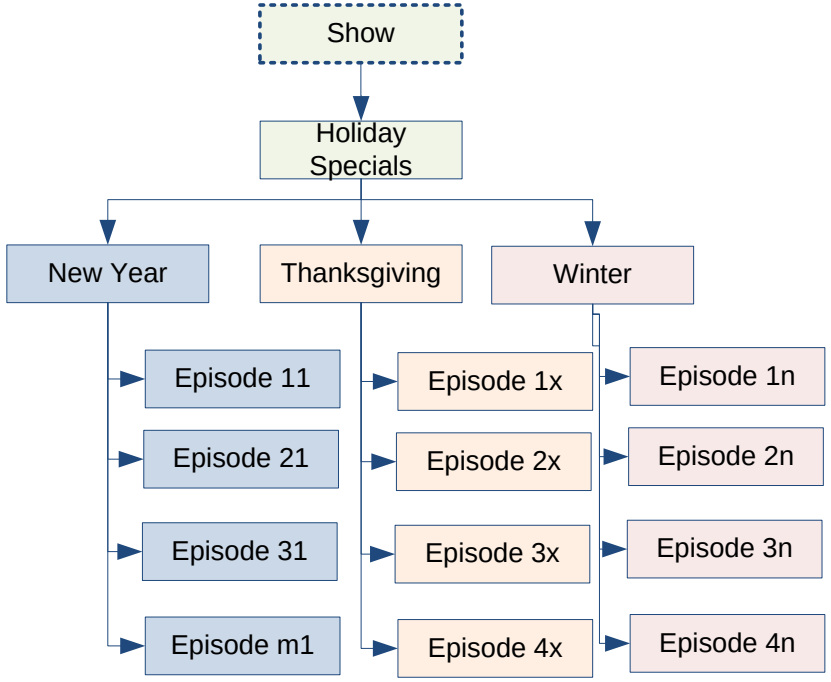
Parent


Movie Series
Late Night Show
Movie II
Late Night Episode
Interview of Movie II Actor

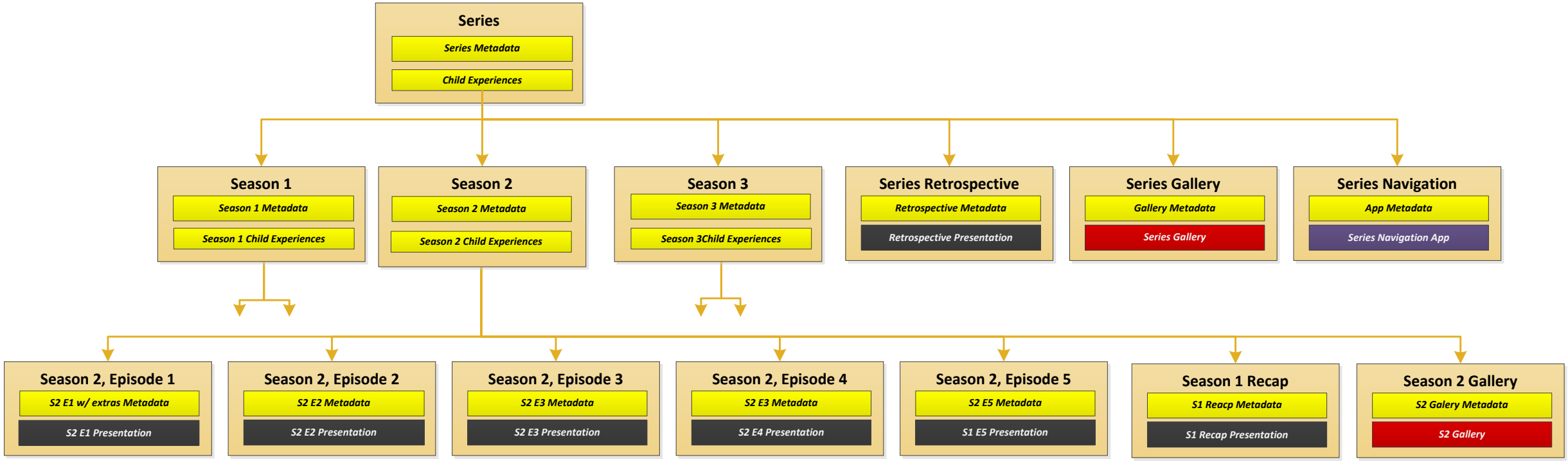
Bundle


Movie With Superstar
Movie II
Movie X
Movie A
Movie Q

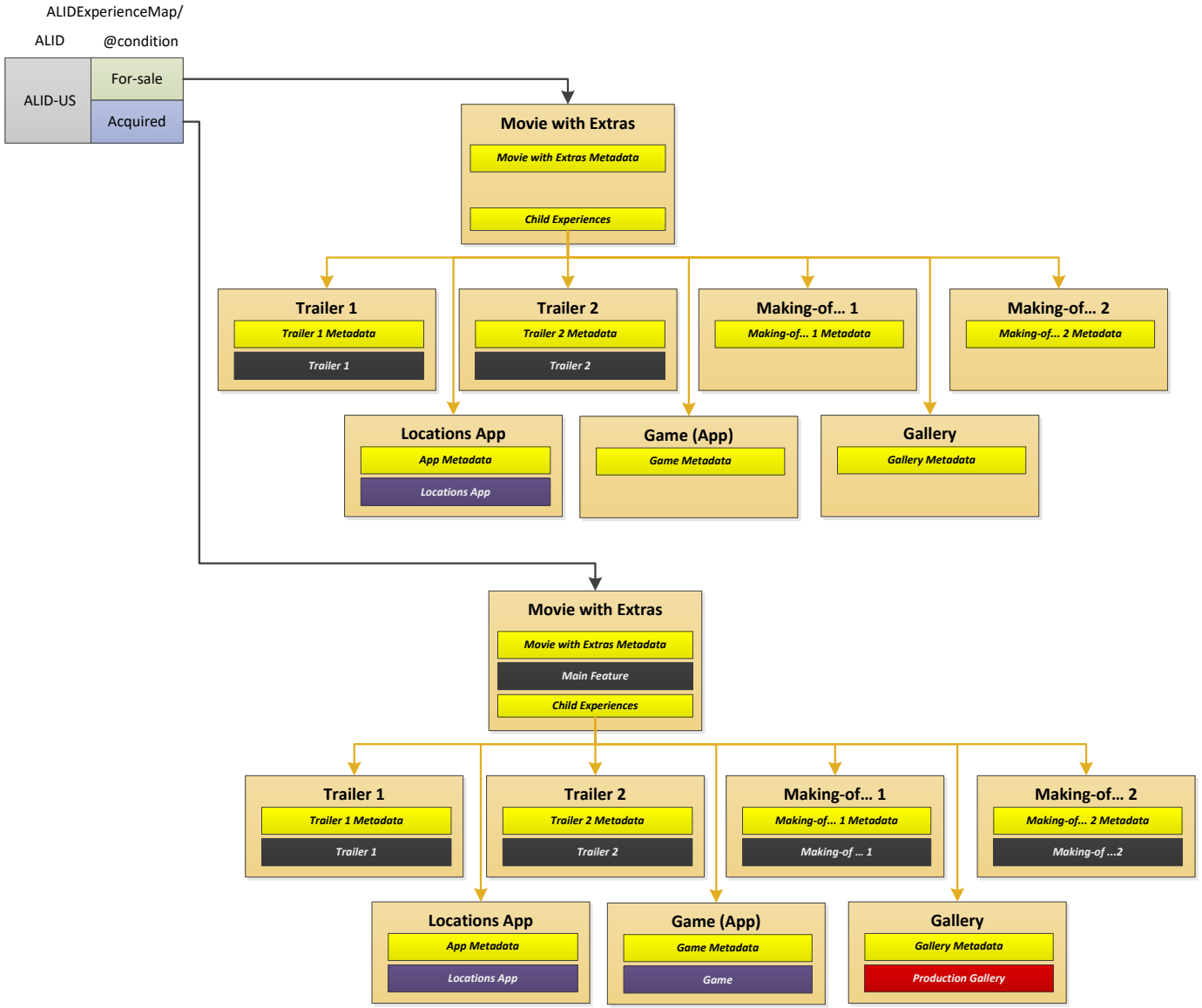

Show
Thanksgiving Specials
Episode 1x
Episode 2x
Episode 3x
Episode 4x


Show
Holiday Specials
New Year
Thanksgiving
Winter
Episode 11
Episode 21
Episode 31
Episode m1
Episode 1x
Episode 2x
Episode 3x
Episode 4x
Episode 1n
Episode 2n
Episode 3n
Episode 4n

Series structure



@condition


ALIDExperienceMap/
ALID
@condition
ALID-US
For-sale
Acquired
Movie with Extras
Movie with Extras Metadata
Child Experiences
Trailer 1
Trailer 1 Metadata
Trailer 1
Trailer 2
Trailer 2 Metadata
Trailer 2
Making-of… 1
Making-of… 1 Metadata
Making-of… 2
Making-of… 2 Metadata
Locations App
App Metadata
Locations App
Game (App)
Game Metadata
Gallery
Gallery Metadata
Movie with Extras
Movie with Extras Metadata
Main Feature
Child Experiences
Trailer 1
Trailer 1 Metadata
Trailer 1
Trailer 2
Trailer 2 Metadata
Trailer 2
Making-of… 1
Making-of… 1 Metadata
Making-of … 1
Making-of… 2
Making-of… 2 Metadata
Making-of …2
Locations App
App Metadata
Locations App
Game (App)
Game Metadata
Game
Gallery
Gallery Metadata
Production Gallery