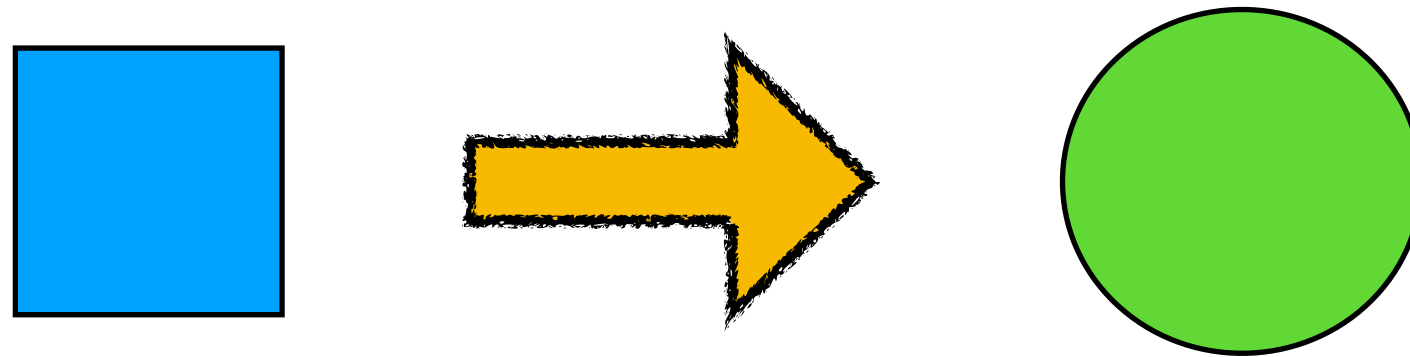


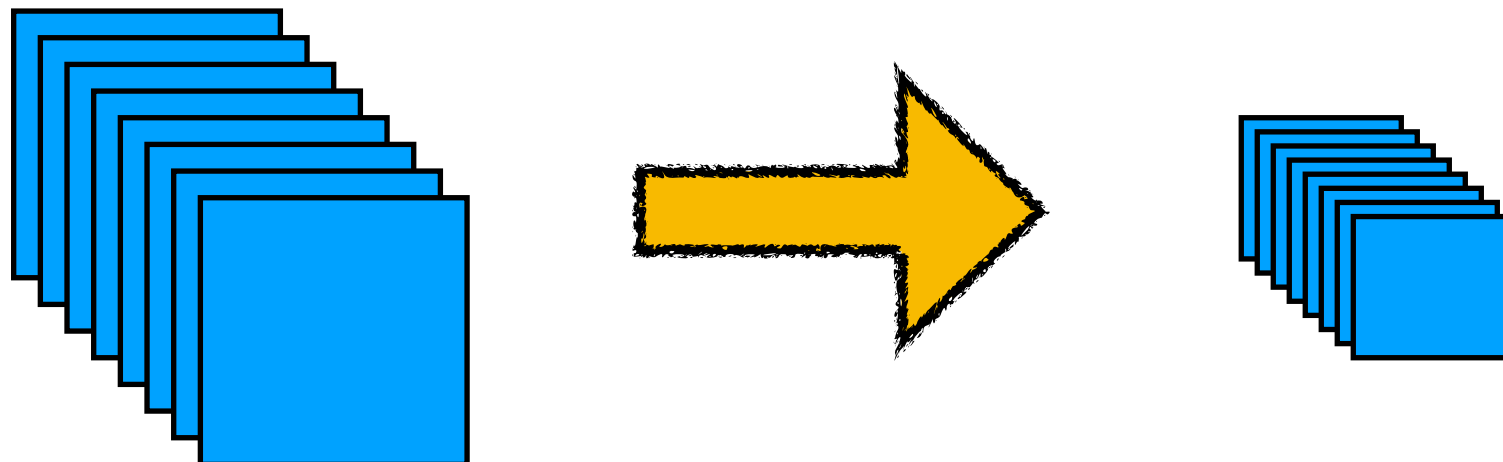
DSpace 7 Projections

Where they fit and what's been done.
From DSpace 7 WG meeting, Oct 17, 2019

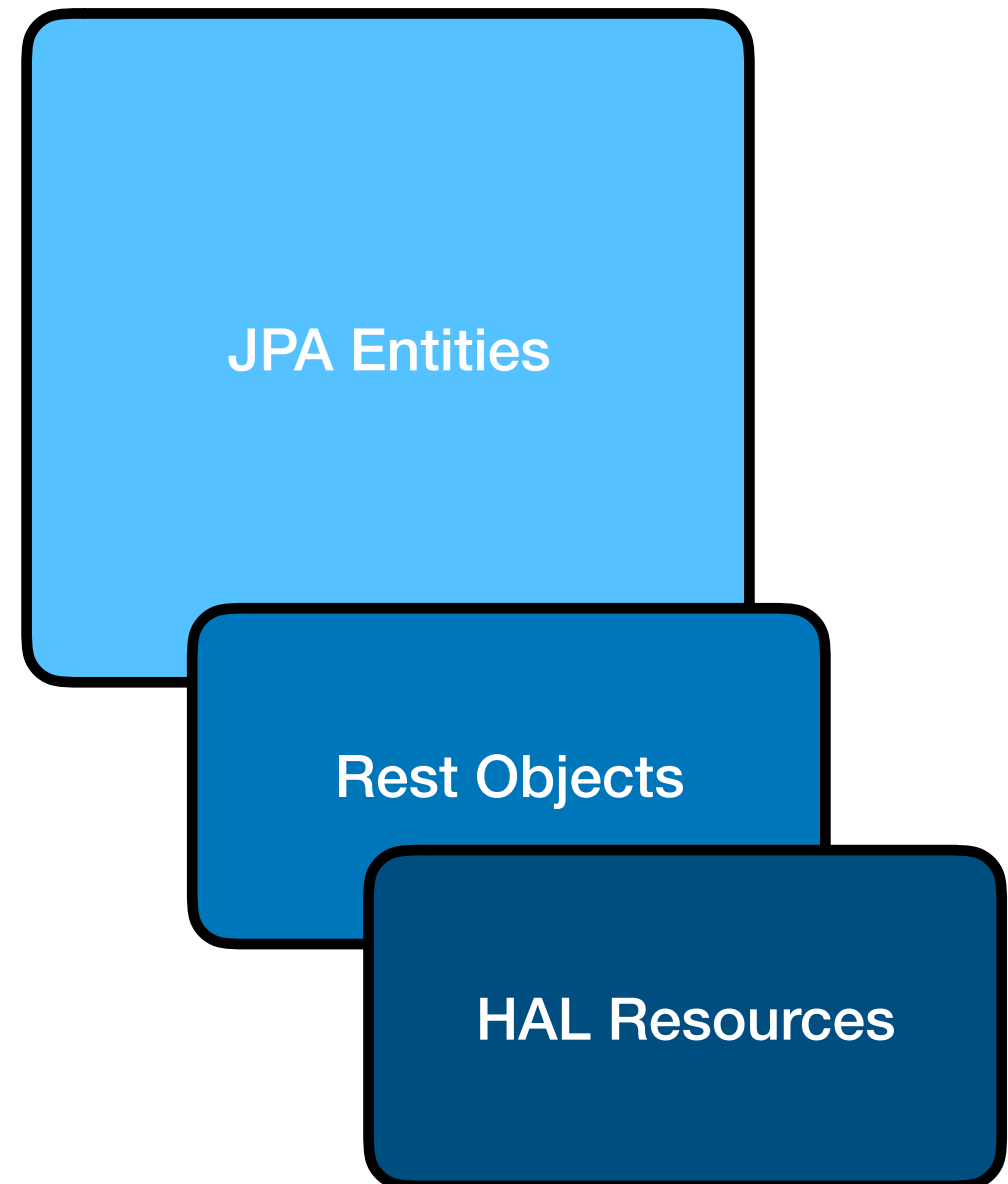
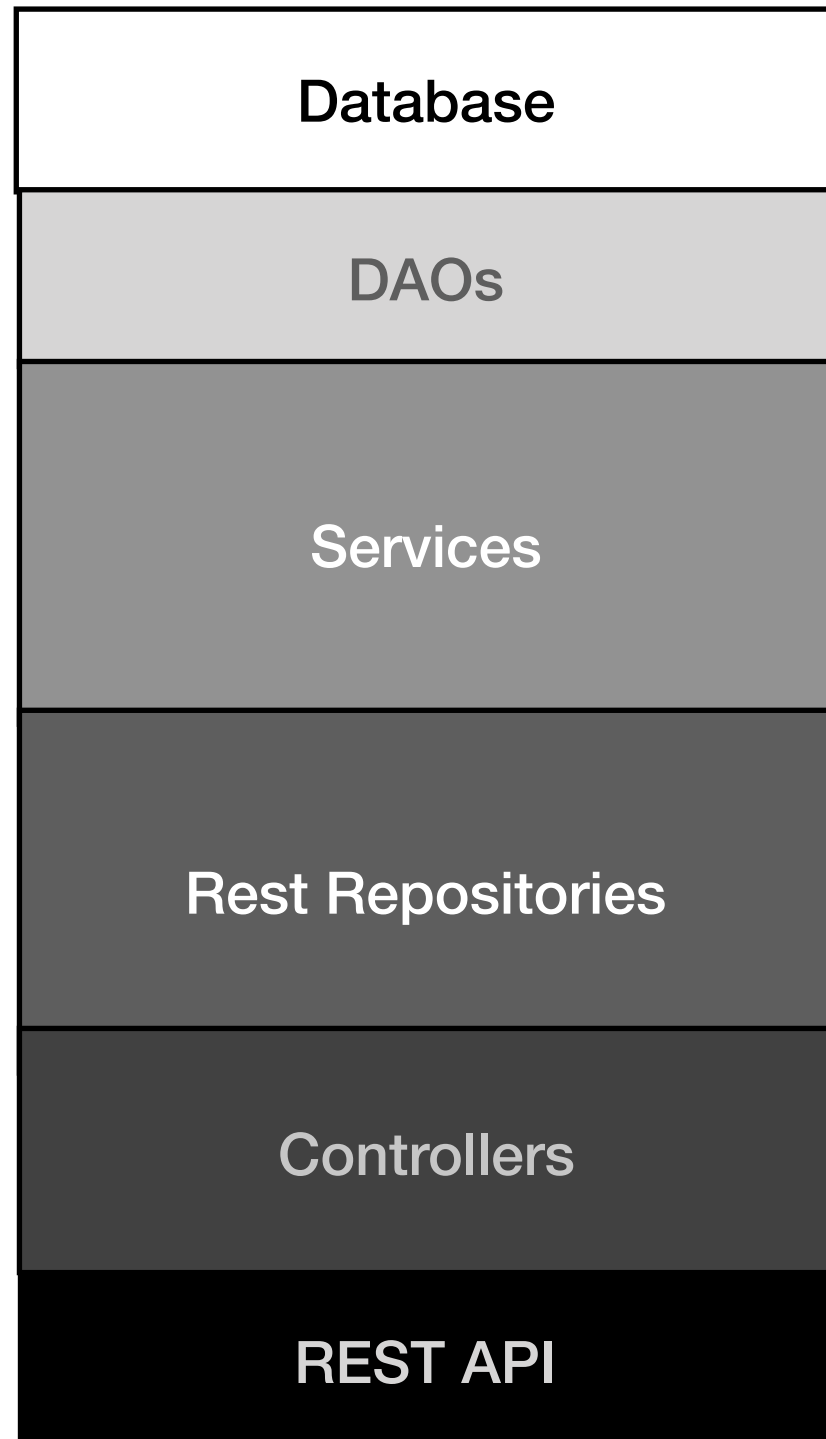
Projections vs Excerpts



- **Projection:** An altered view of the domain model
- **Excerpt:** An automatic projection applied to a collection



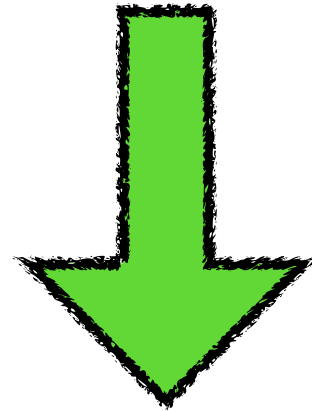
Object scope



Object lifecycle

JPA Entity

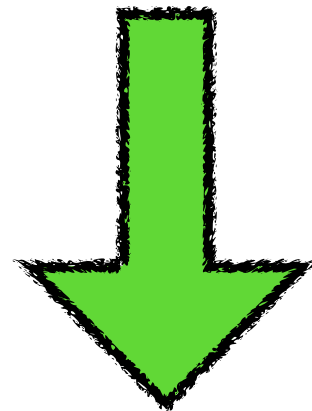
Model Conversion
- *converts properties*



- Type-specific Converters
- Mostly from Repositories
- Sometimes from Converters

Rest Object

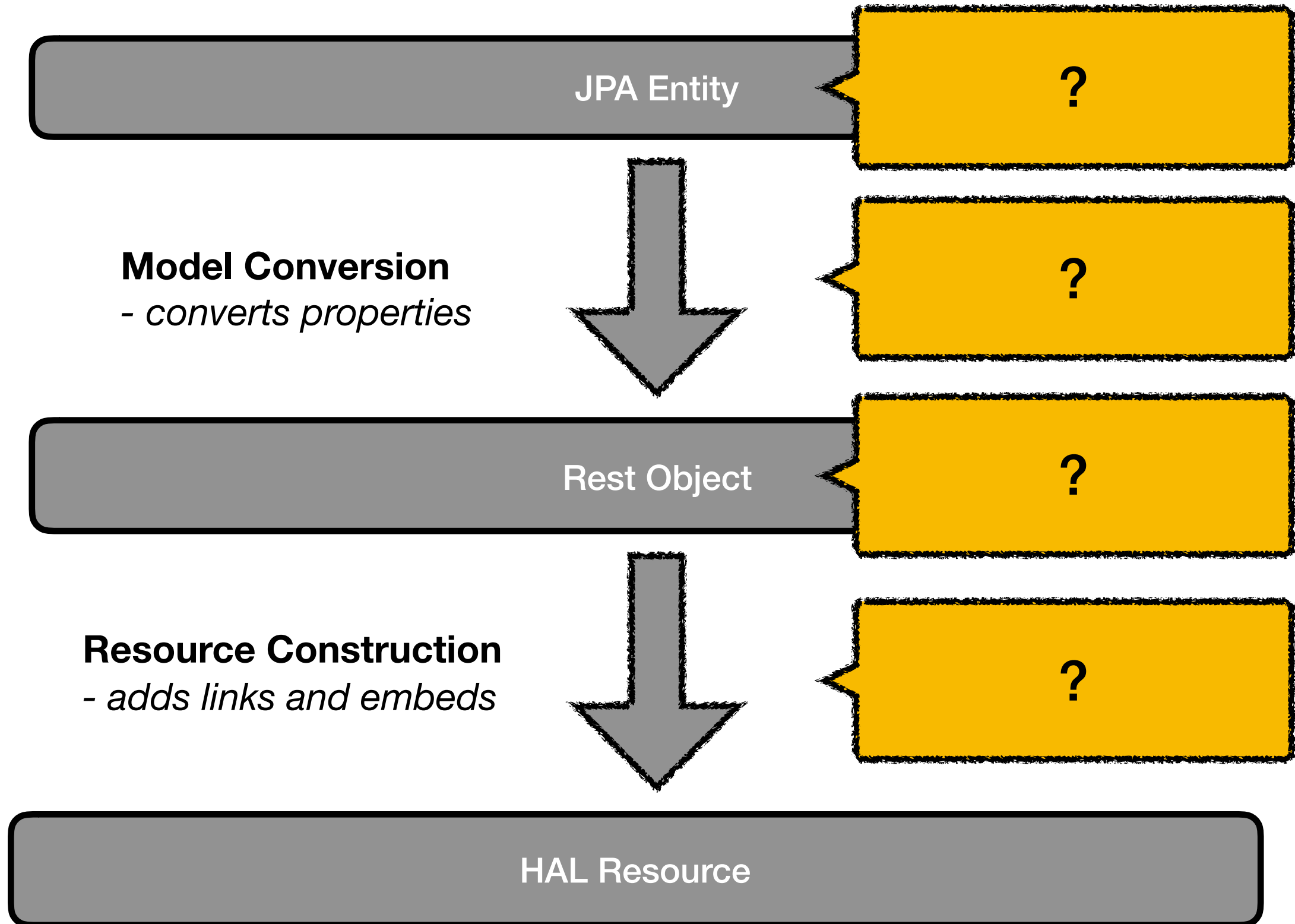
Resource Construction
- *adds links and embeds*



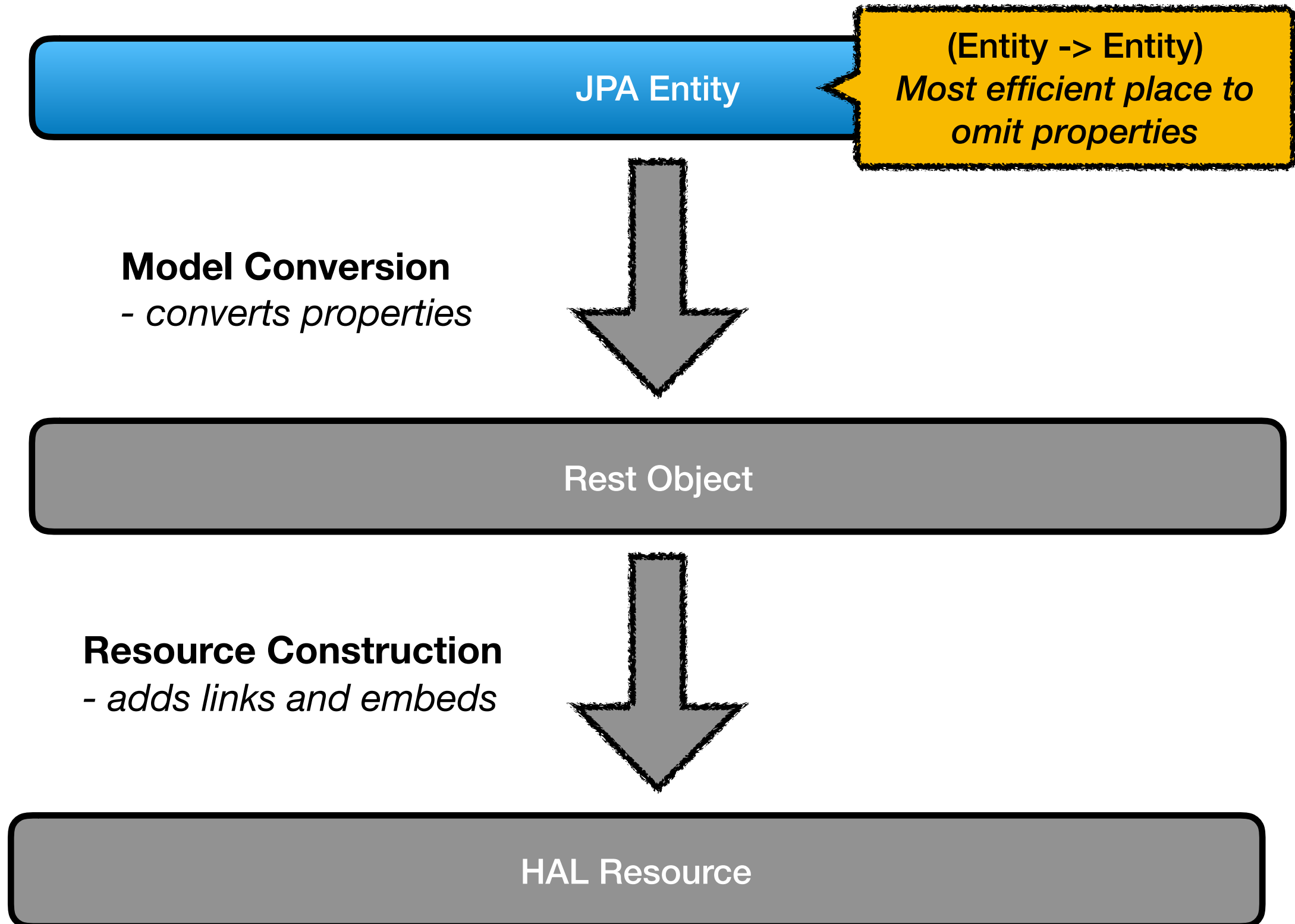
- Type-specific Resources
- Mostly from Repositories
- Sometimes from Controllers

HAL Resource

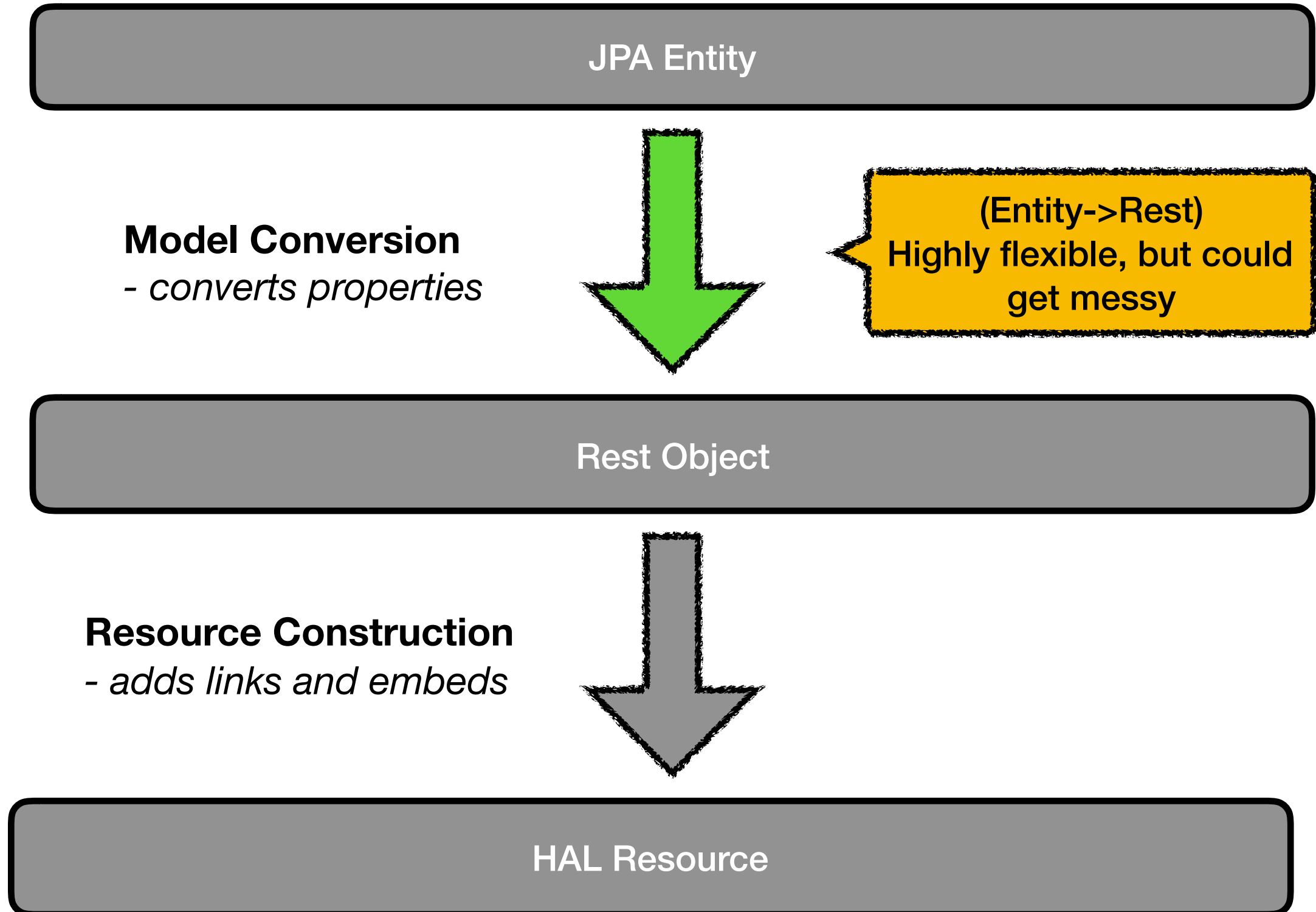
Where do projections fit?



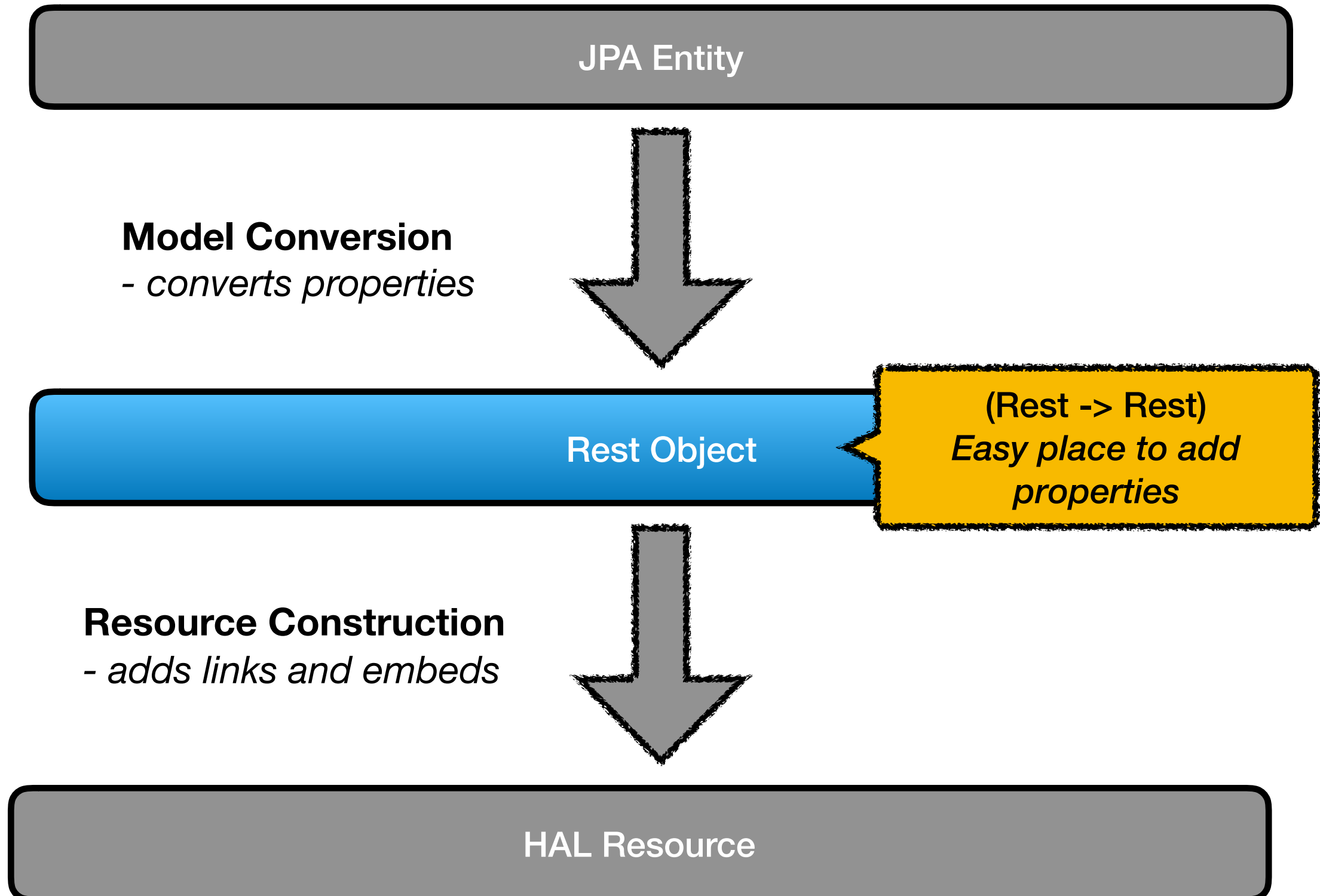
1. Before conversion



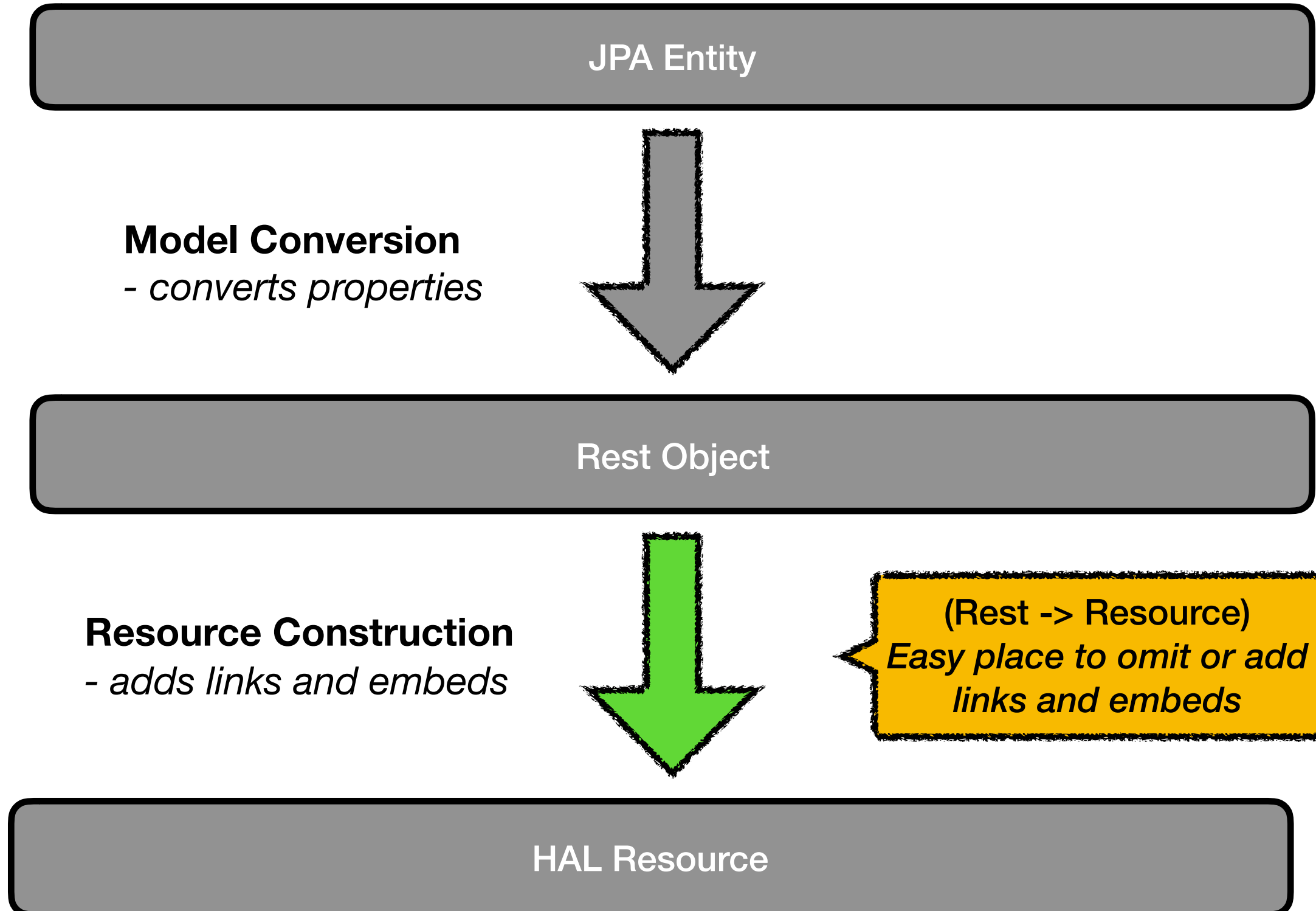
2. During conversion



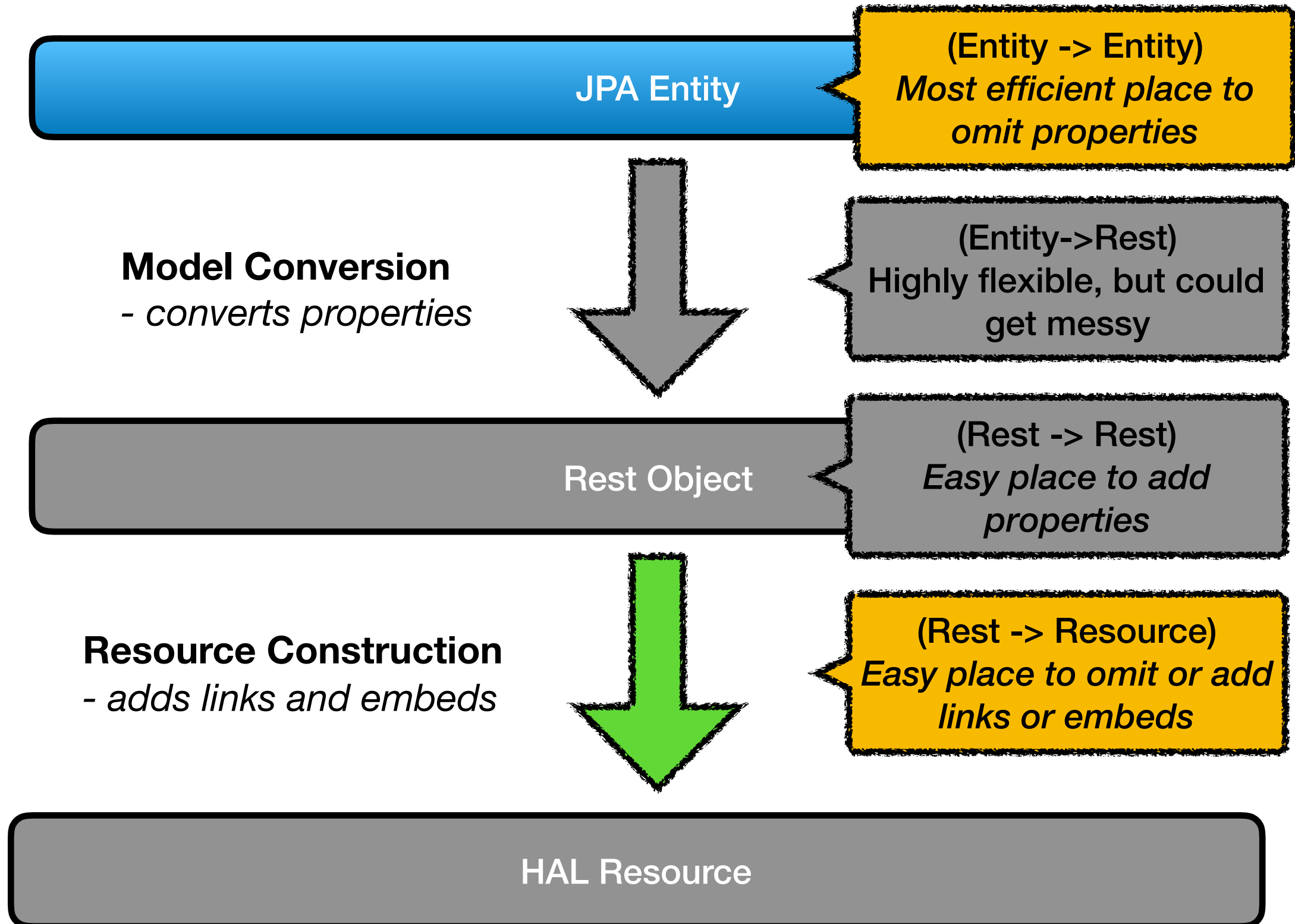
3. After conversion



4. During resource construction



What's been done



Recommendation: Use Link Repositories for anything that returns a list

- More efficient than using a property on the Rest class
 - see notes in `RestController.findRelInternal`
- Allows for late embedding
- Will make it easy to opt-out of including that data in certain projections (the "list" excerpt projection).

Feedback Wanted:

<https://wiki.duraspace.org/pages/viewpage.action?pageId=164724742>

