

fedora

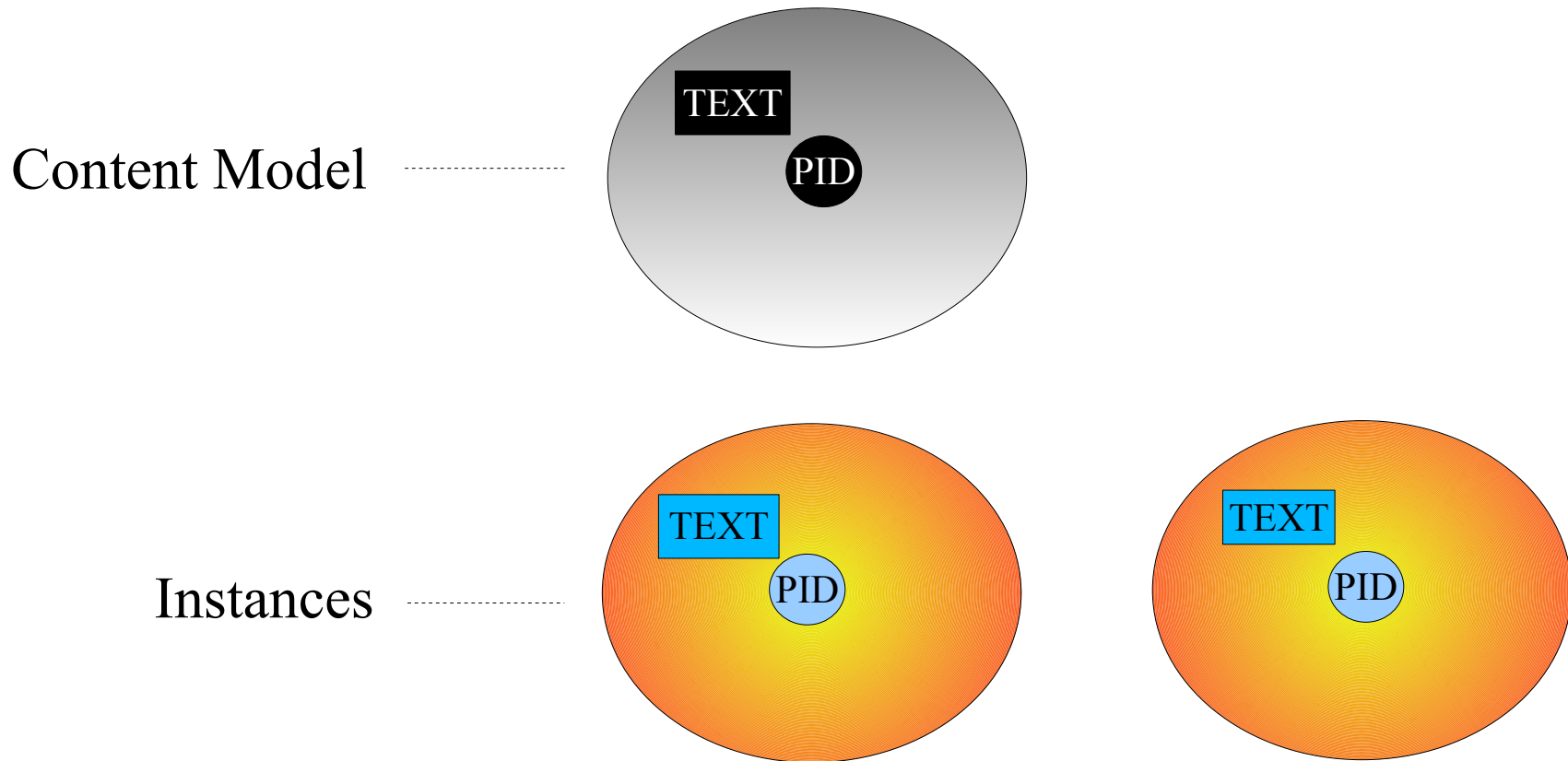


Introduction to Content Models

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Fedora Training @ Yale University
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What Is A Content Model?

A description of the structure of a group of similar objects.



Uses of Content Models

- Construction
 - *As a "template"*
- Validation
 - *Is this thing really an article?*
- Discovery
 - *List all video objects added this week*
- Managability
- Interoperability

Three Emergent Styles

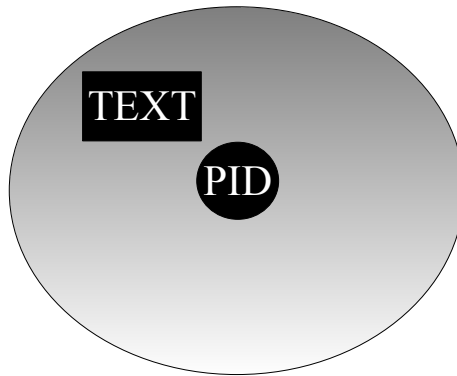
Single-Object

- Simple
- Compound

Multi-Object

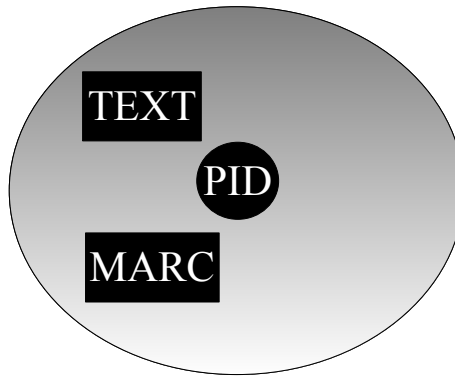
- Atomistic

"Simple" Content Model



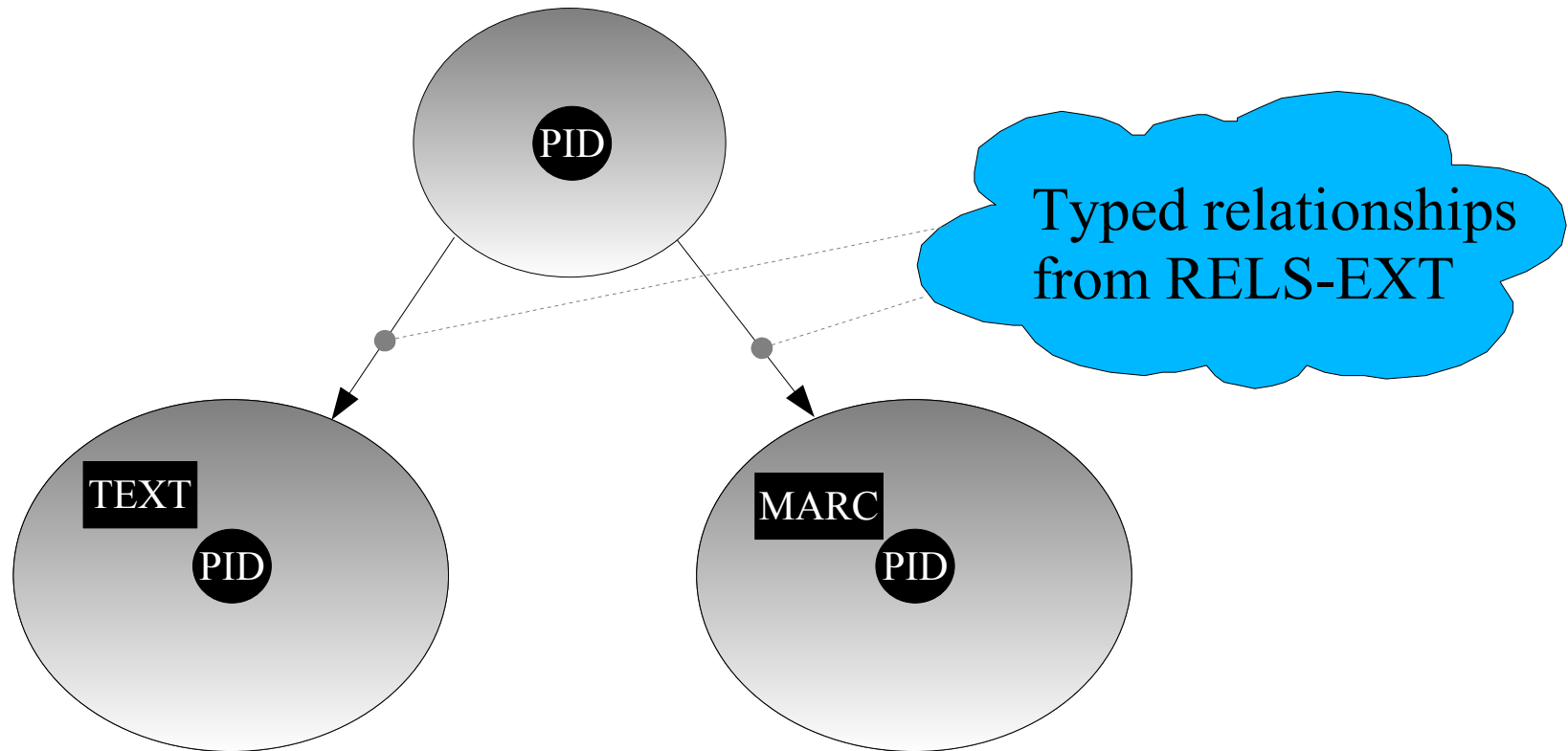
One Object, One Datastream

"Compound" Content Model



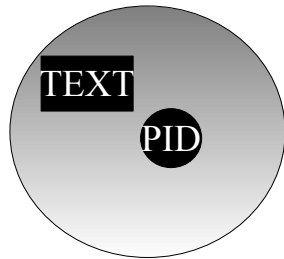
One Object, Multiple Datastreams

"Atomistic" Content Model

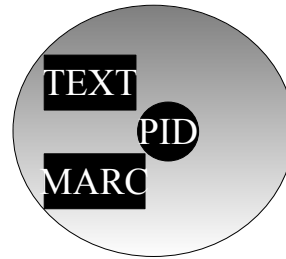


Multiple Objects, Any Datastreams

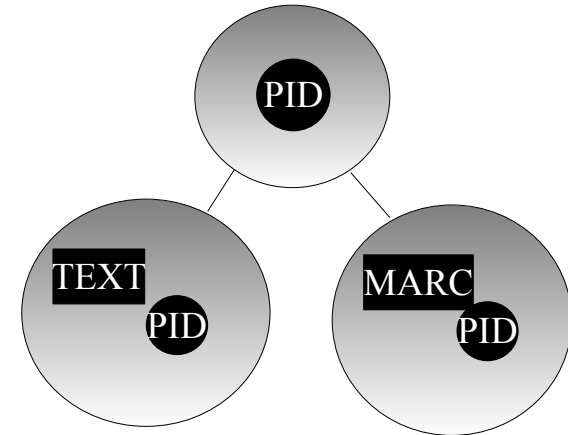
Choosing the Appropriate Style



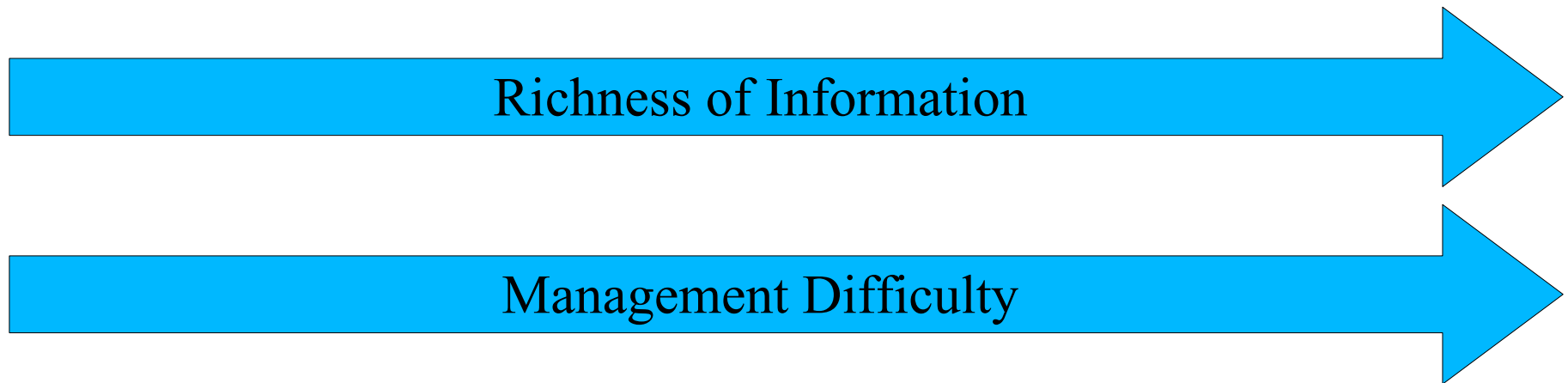
Simple



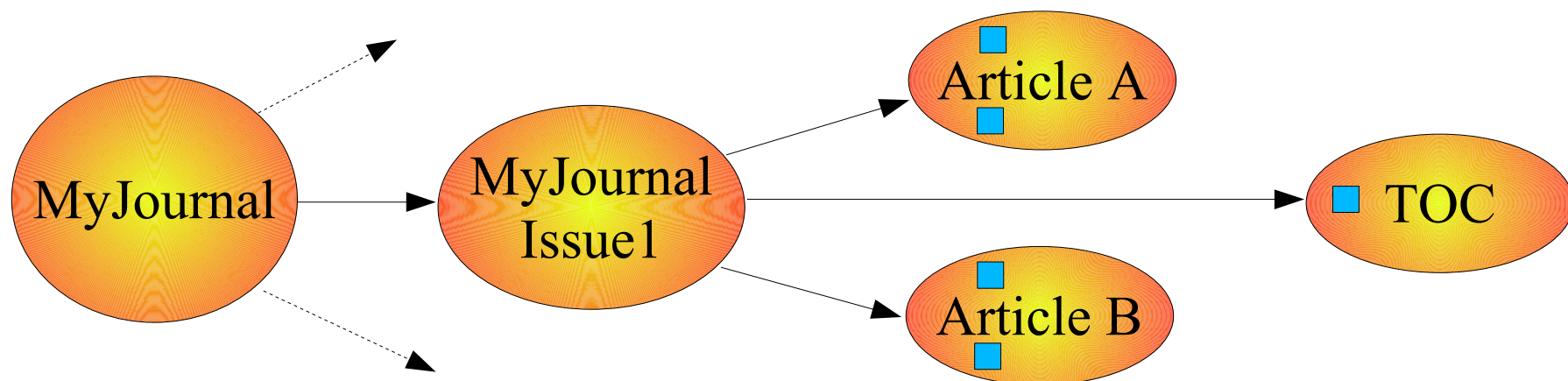
Compound



Atomistic



These Styles Can Work Together...



Journal
(atomistic)

Issue
(atomistic)

Article
(compound)

Table of Contents
(simple)

Pros and Cons

Compound

- + Easier to understand
- + Easier to package
- Relationships implicit
- Objects become less manageable as # of datastreams grows

Atomistic

- Harder to understand
- Harder to package
- + Relationships explicit
- + Adapts well to increased number of constituent objects
- + Promotes re-use of components