

xAPI Profiles in the DoD: The Mix of the Ideal and Reality

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xAPI Profiles in the DoD

The Mix of the Ideal and Reality



Presenters

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LRS

LMS

LRS

Course Catalog

Metadata
Registry

Other LRPs

LMS

LRS

Learner Record

Competency
System

Course Catalog

Metadata Registry

Other LRPs

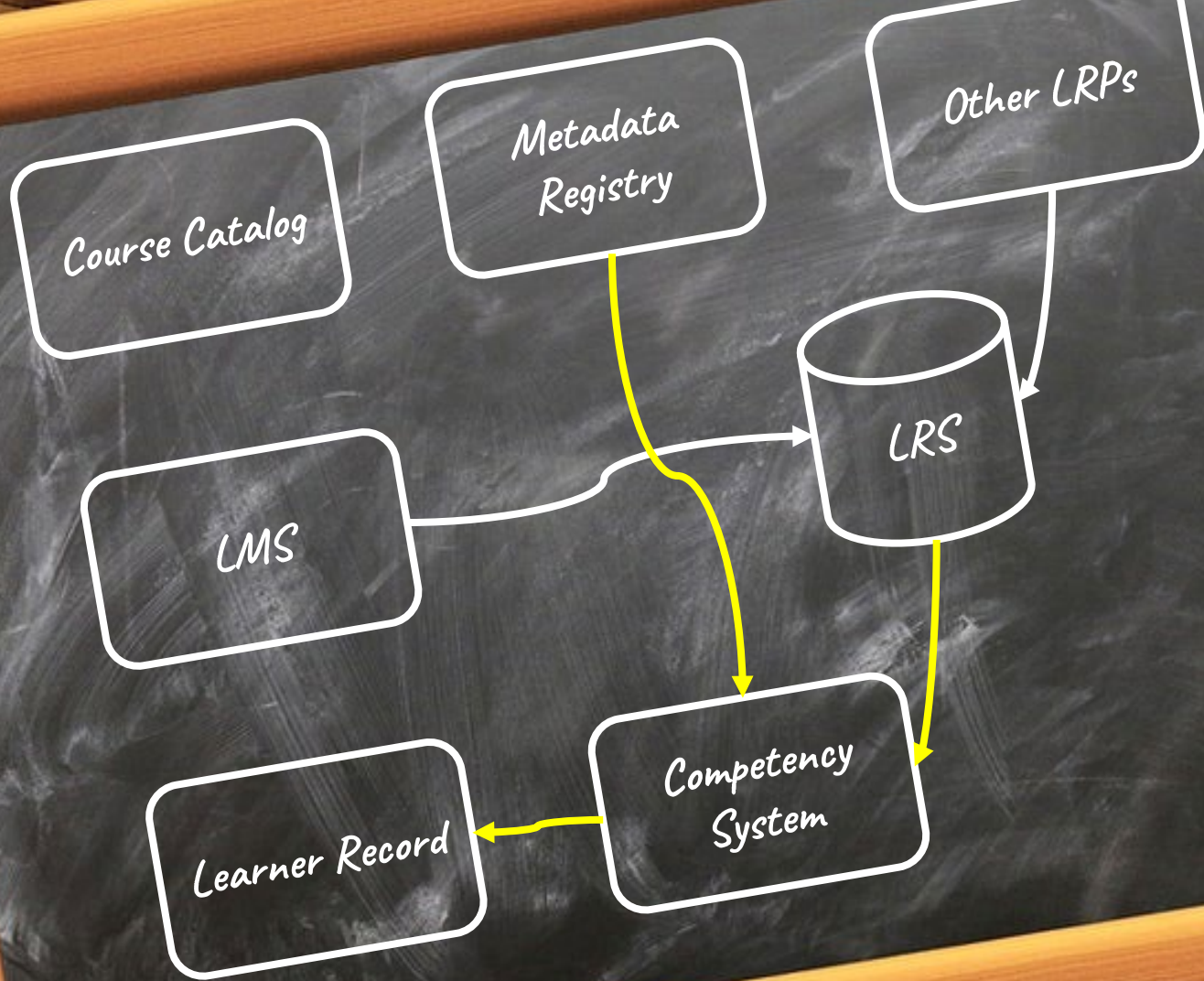
LMS

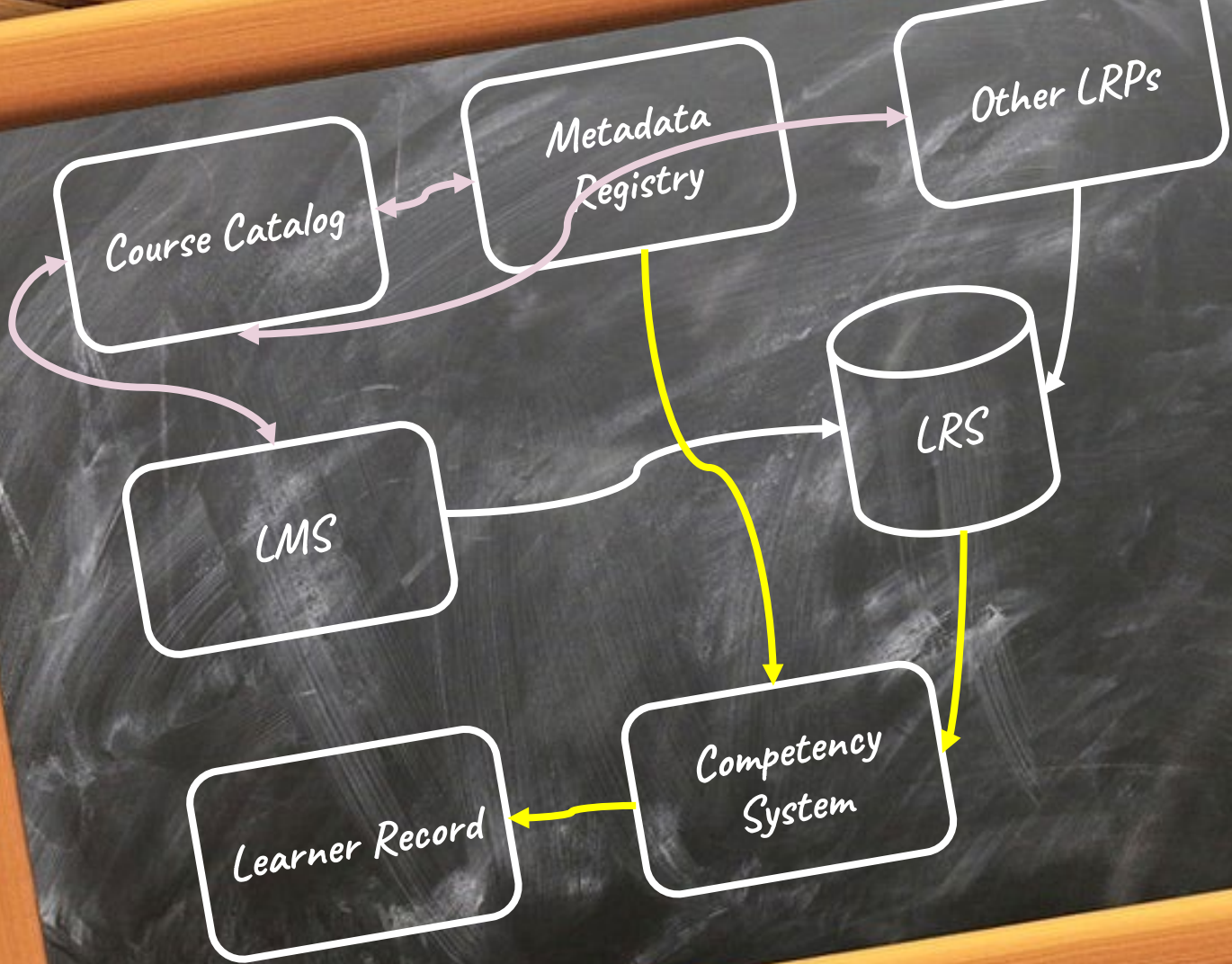
LRS

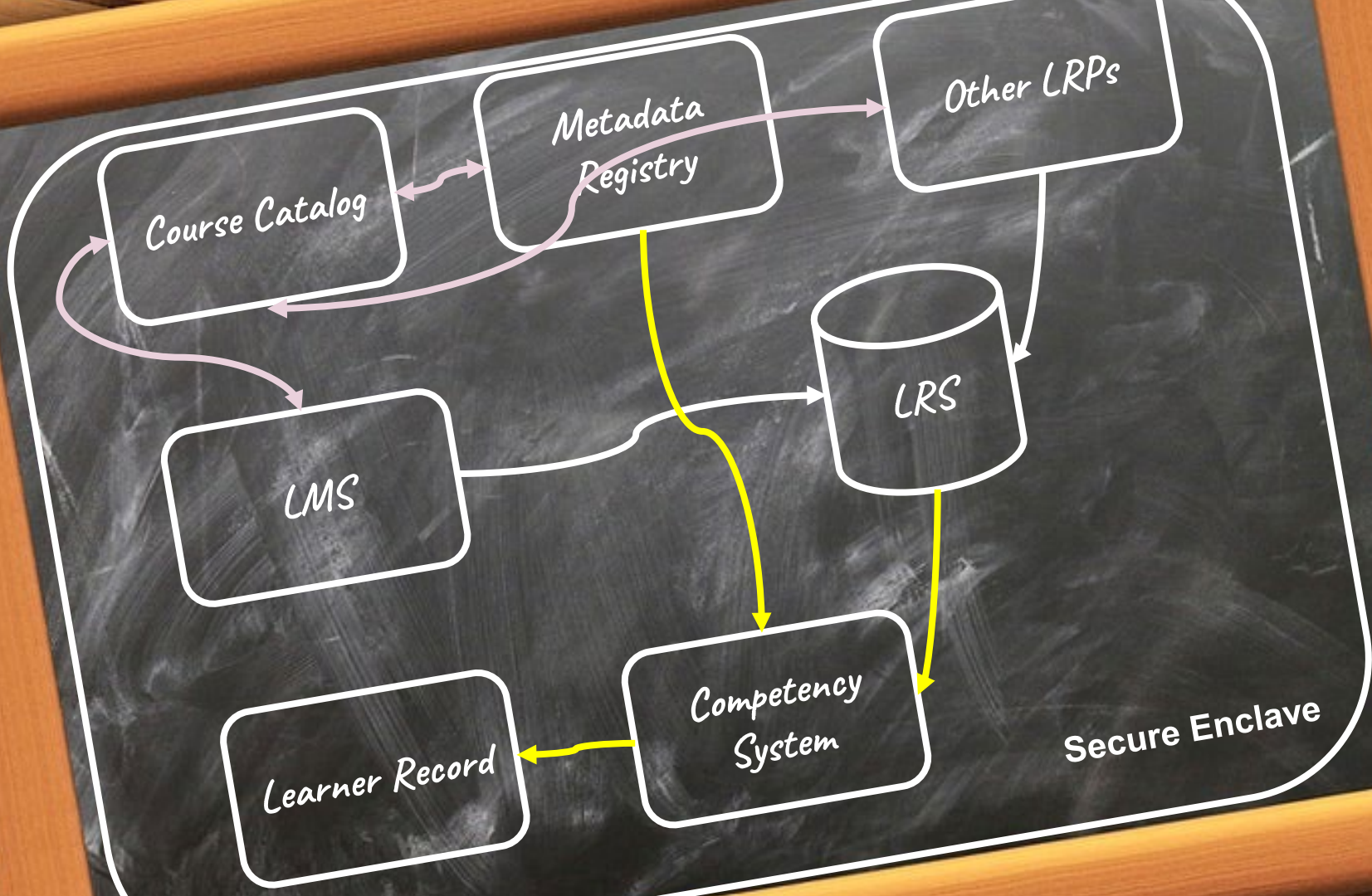
Learner Record

Competency System











And... DONE!

OK. So, it's not so easy.

Your environment probably looks
more like...



Composica



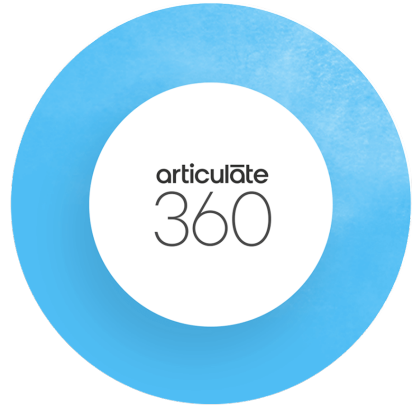
Litmos



Composica



SABA[®]



Litmos

dominKnow|:::

connect the thoughts



Composica



connect the thought





connect the thought





Sakai

docebo®



Fulcrum

meridian

KNOWLEDGE SOLUTIONS



SABA®

articulōte
360



noodle

EBIT

CORM® 20

Learn Management Sys

LUMOS

cmi5 XAPI

dominKnow|:::

EXPERIENCE



CANVAS

connect the thought



cornerstone



Composica

Need to Think About...

Blank Slate



Existing Environment



What does this have to do with
xAPI Profiles?

Analytics - Top Down

Tracing learners' activities inside packages

- Time on task within and across asset sub-components
- Patterns of choice for branching options

Activity across platforms

- Typical consumer pattern
- Who are returning consumers, how many, and what is their profile?
- Predictions on users to intervene early

Analytics - Bottom Up

The Environment

- Have LRPs using different account homePages
- Not tracking timestamp
- Products using non-standard (even incorrect) verbs

Finding the lowest common denominator

- What if there isn't one?

Just update everything so it
works! Easy!

Just update everything so it
works! ~~Easy!~~

Not always easy. Not always possible.

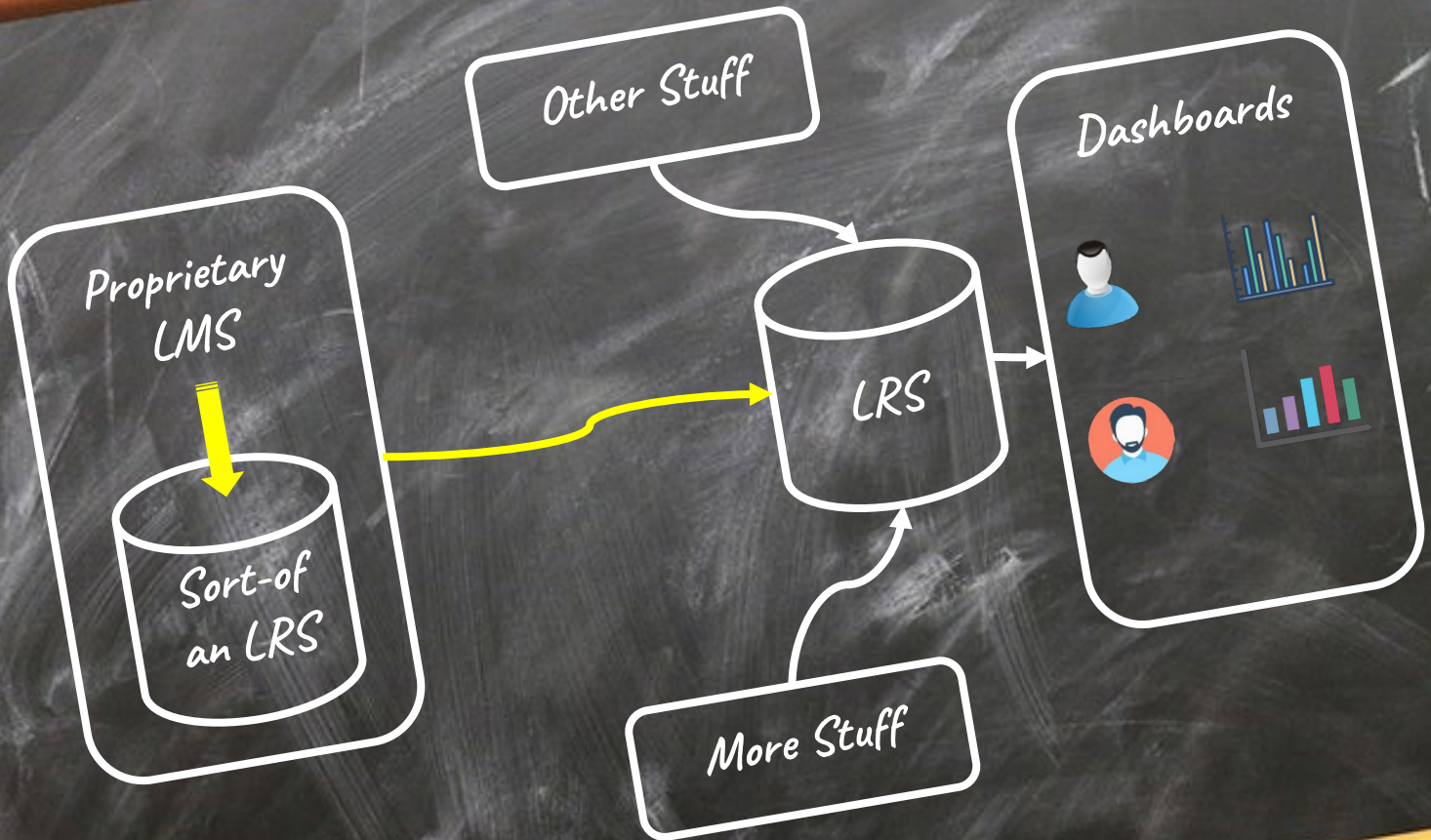
Meeting in the Middle

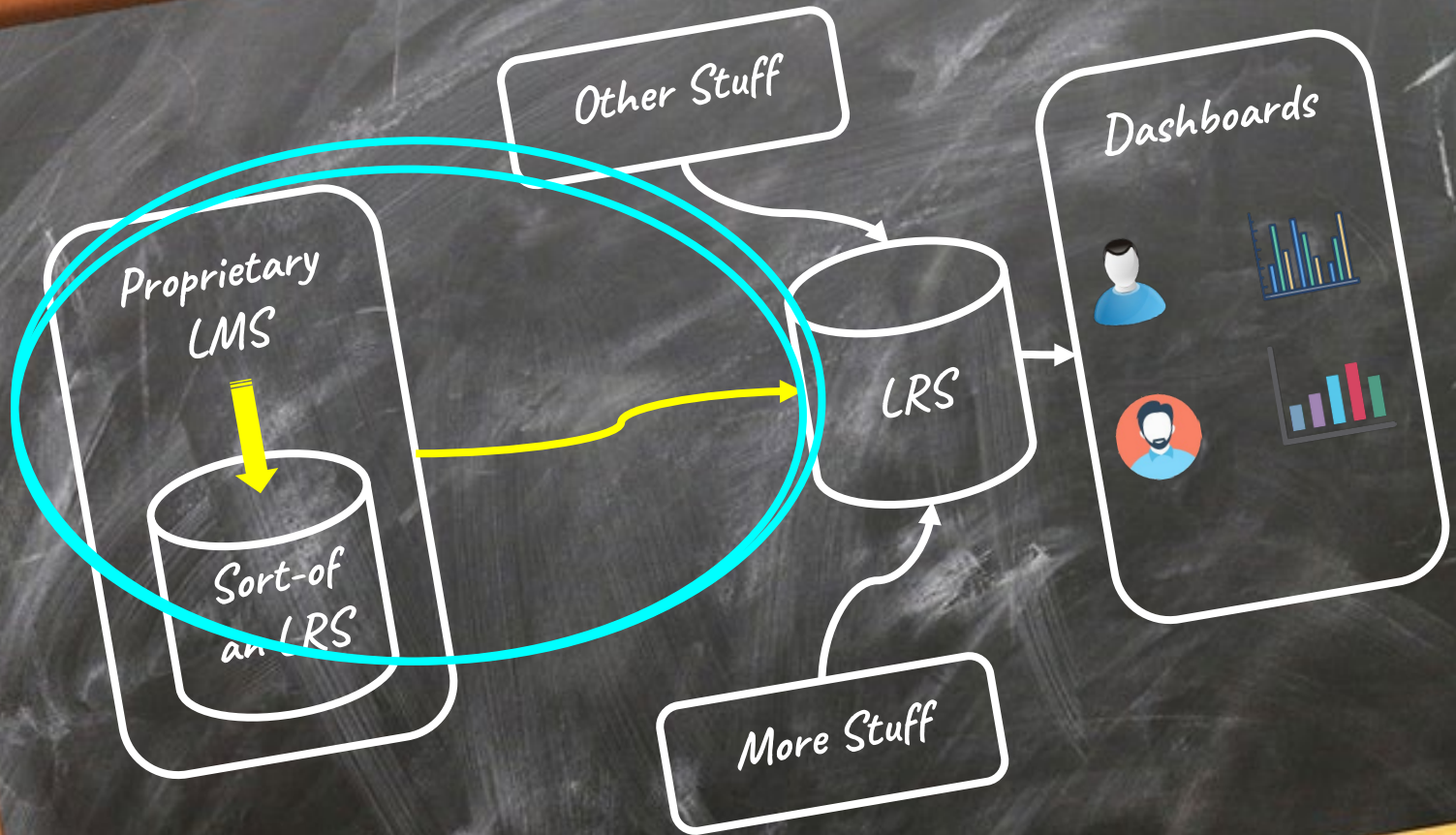
Some DAU-Specific Examples

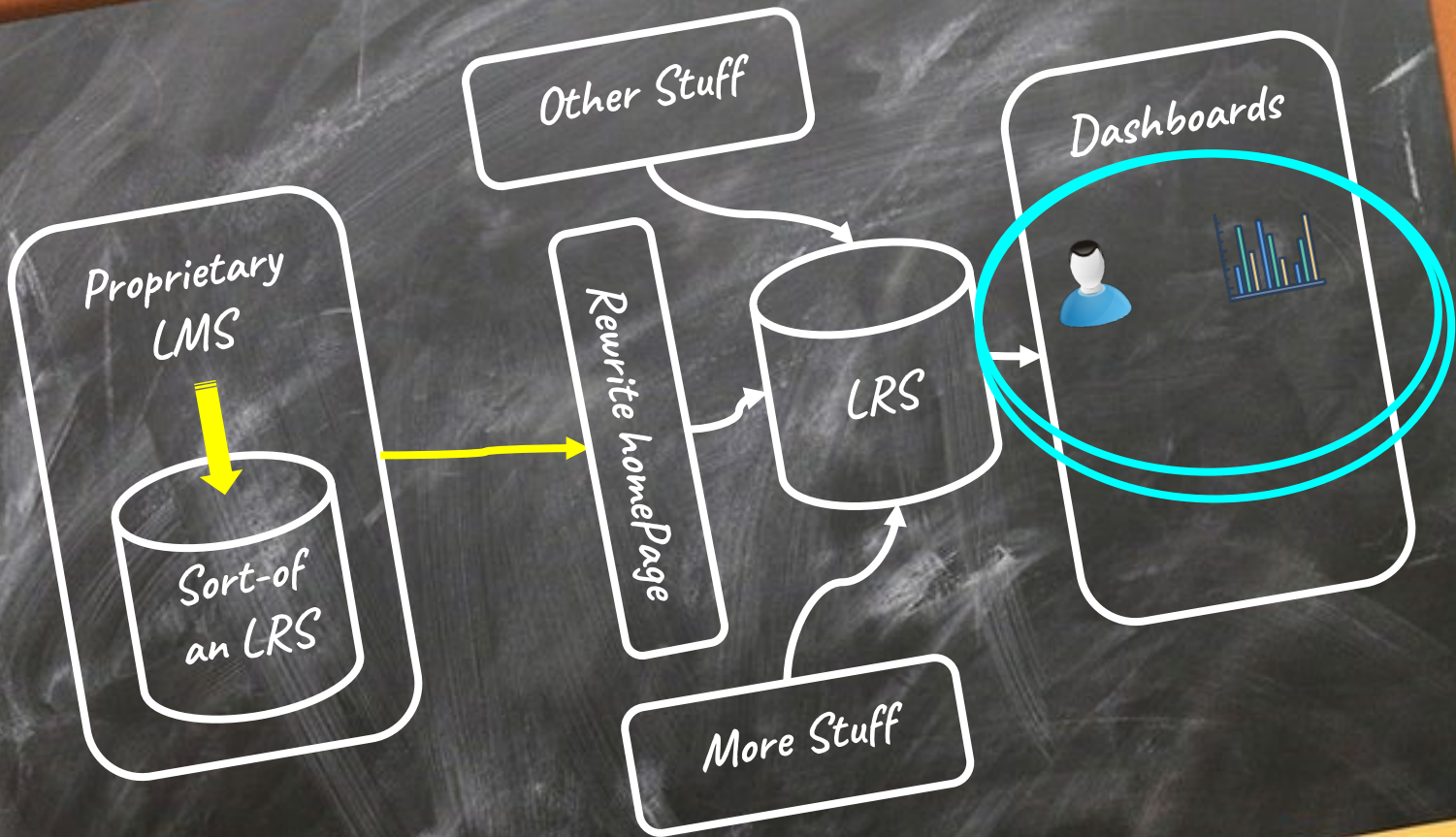
Misaligned Actors

```
{  
  "name": "Bob Doe",  
  "objectType": "Agent",  
  "account": {  
    "name": "012345678910",  
    "homePage": "https://id.dau.edu"  
  }  
}
```

```
{  
  "name": "Bob Doe",  
  "objectType": "Agent",  
  "account": {  
    "name": "012345678910",  
    "homePage": "https://proprietarylms.dau.edu"  
  }  
}
```







Lots of Verbs

```
"verb" : {  
  "id": "http://adlnet.gov/expapi/verbs/completed",  
  "display": {  
    "en-US": "completed"  
  }  
}
```

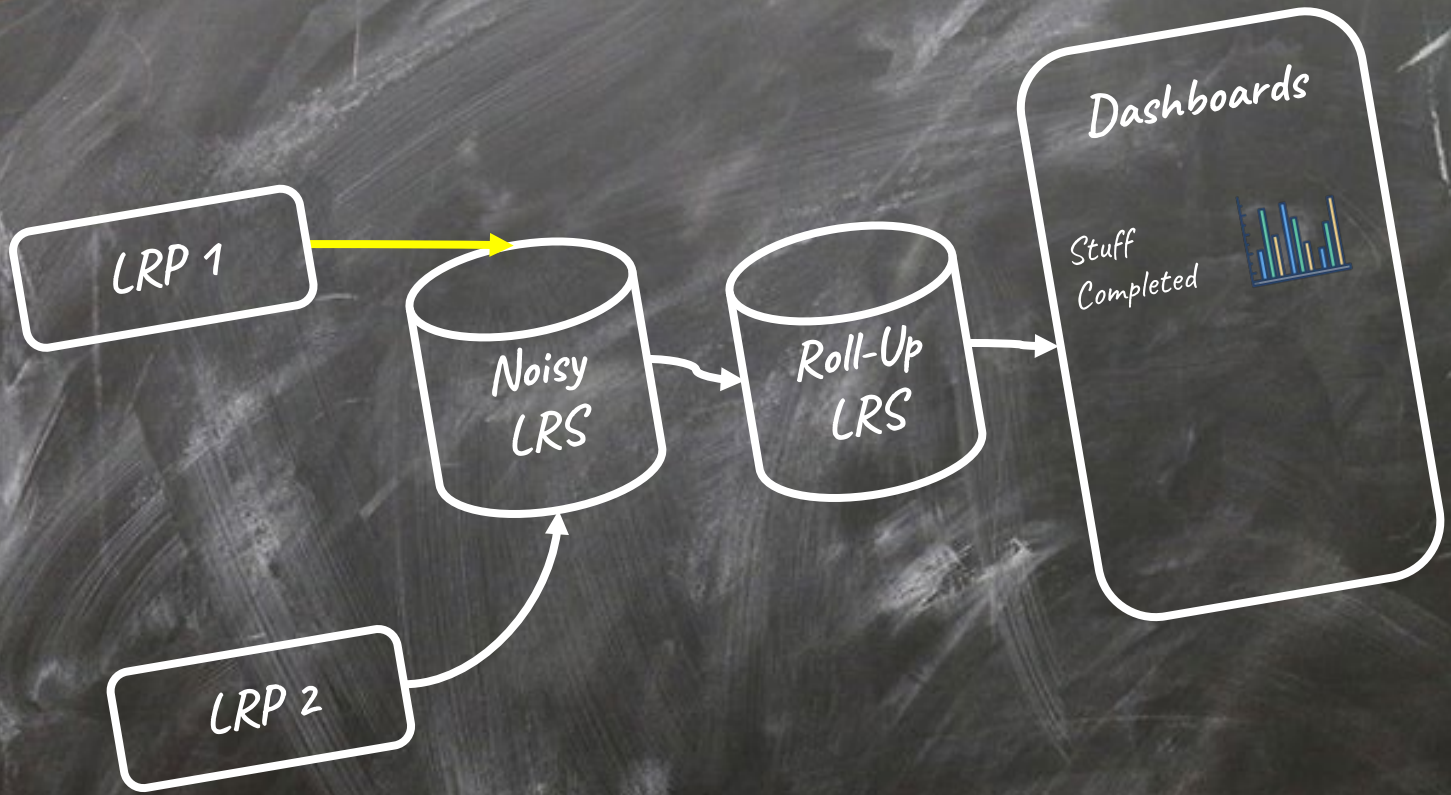
```
"verb" : {  
  "id": "https://adlnet.gov/expapi/terminated",  
  "display": {  
    "en-US": "terminated"  
  }  
}  
...  
"result" : {  
  "completion": true  
}  
}
```

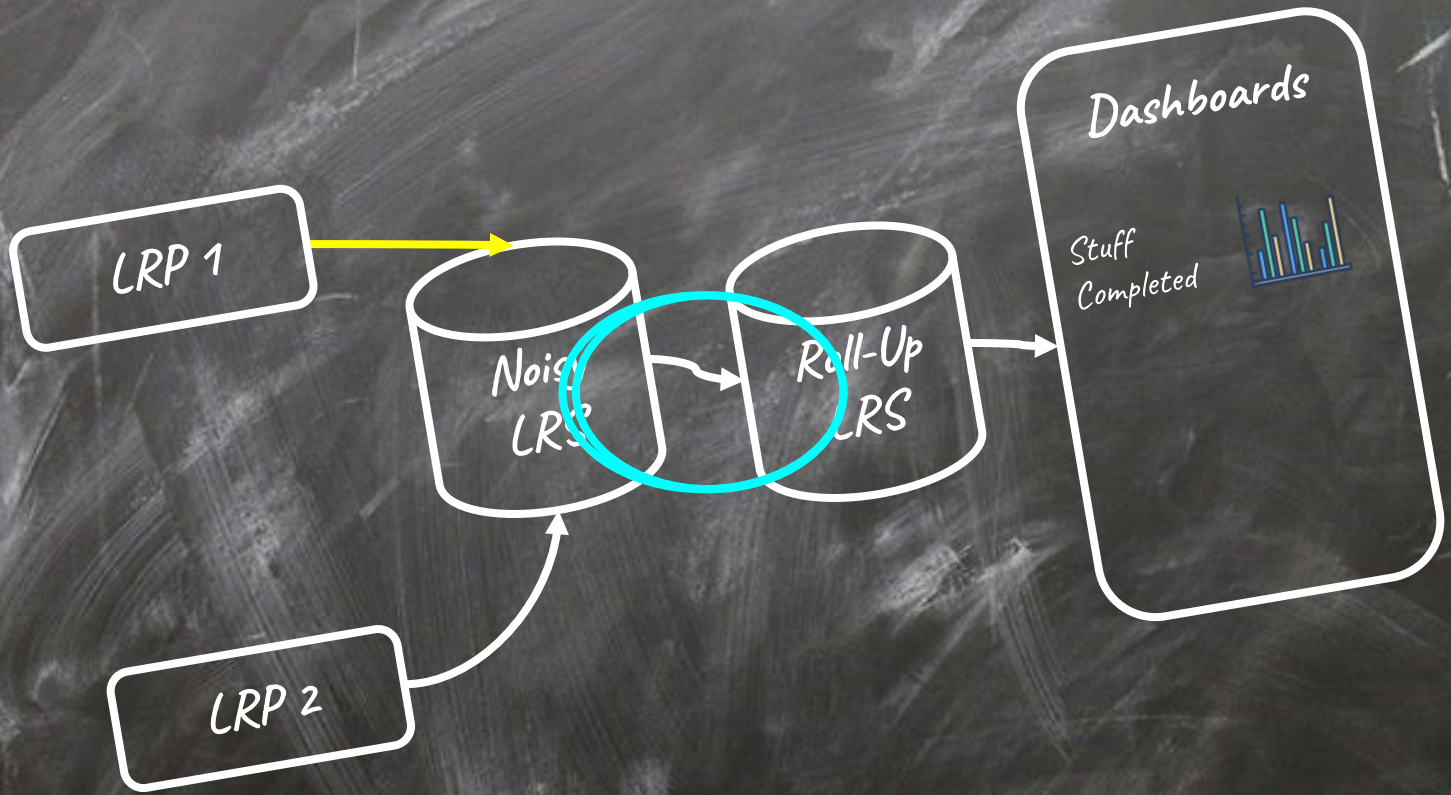

LRP 1



LRP 2







And those are the easy ones

For example:

- Sending data to two endpoints (hard coded and launched credentials) with some duplicate data, but different actors
- No context for organization or usability
- Limited verbs accepted/allowed
- Different users account IDs and anonymized data
- Different semantics, same verb
- Missing events and statements from some, but not all, LRPs
- Existing, non-xAPI-enabled content (and lots of it)
- Cohesive user experience even though “stuff is everywhere”
- Building meaning into IRIs
- etc.

And those are the easy ones

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- Cohesive user experience even though “stuff is everywhere”
- Building meaning into IRIs (**Please don't do this! Makes dealing with big data hard!**)
- etc.

Don't get stuck!

- The 85% “good enough” solution can be very useful and is a good starting point.
- Striving for perfection, can get you nowhere quickly
- Plan ahead
 - Data strategy and profiles
 - Analysis of existing components
- ... and meet in the middle



Questions
