



# JBoss Teiid / Enterprise Data Services

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# Quick Survey



# Agenda

Talk

Look at some 'code'

Ask / Answer some questions



# The Business Inflexibility Trap

***Inflexibility:*** The essential Business Problem

**With flexibility all problems are solvable**





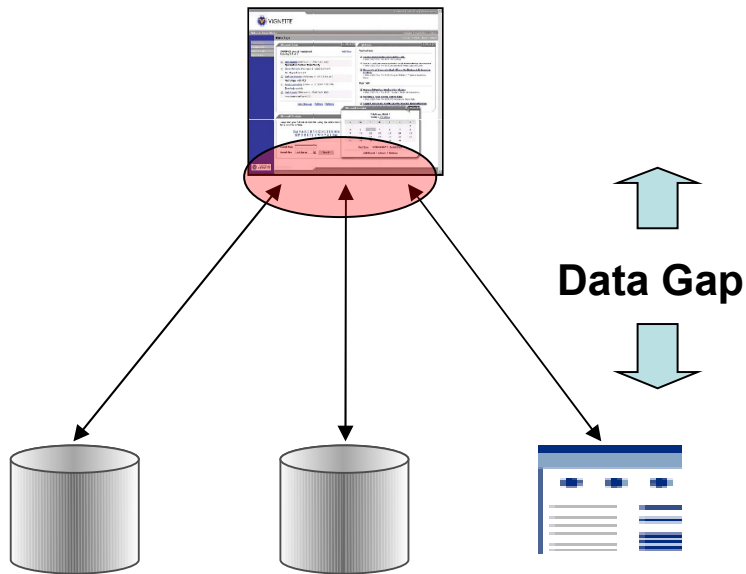
# Data Challenges

*Tremendous value in existing information assets, but...*  
*Time consuming and costly to implement new applications  
that leverage this information*



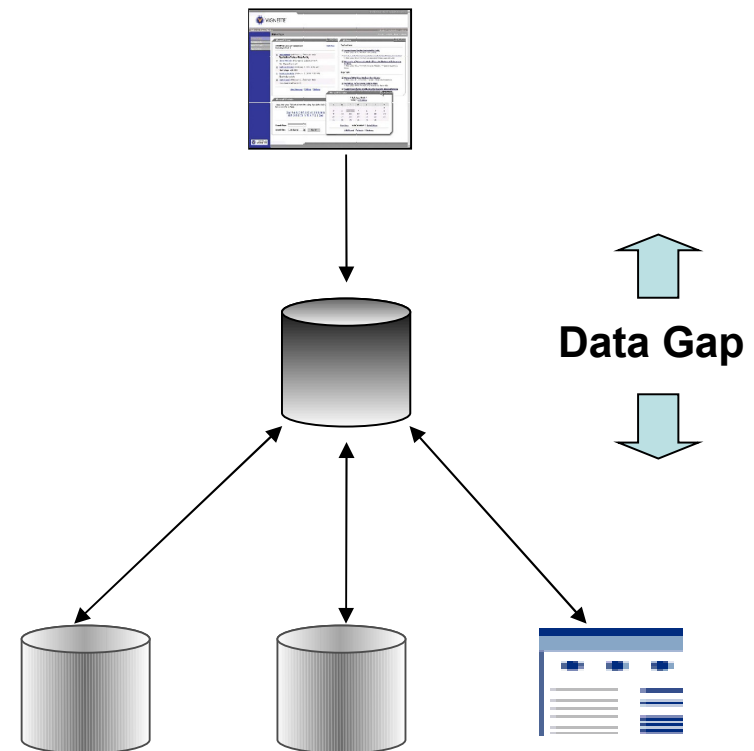
# Data Challenges – Alternatives

## Hard Code



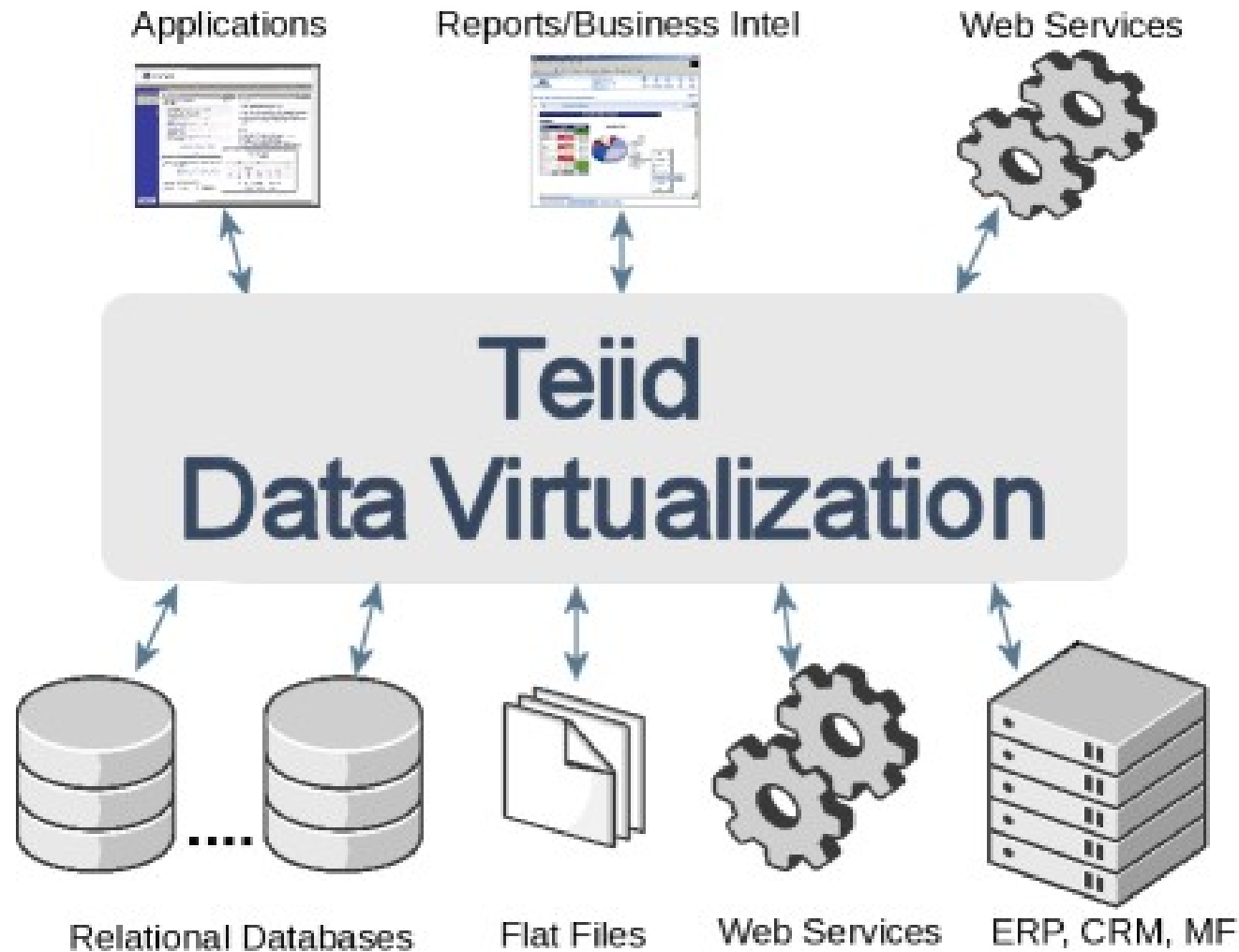
- Time consuming – difficult/costly
- No re-use of data logic
- Any changes break the application

## Replicate/Data Mart

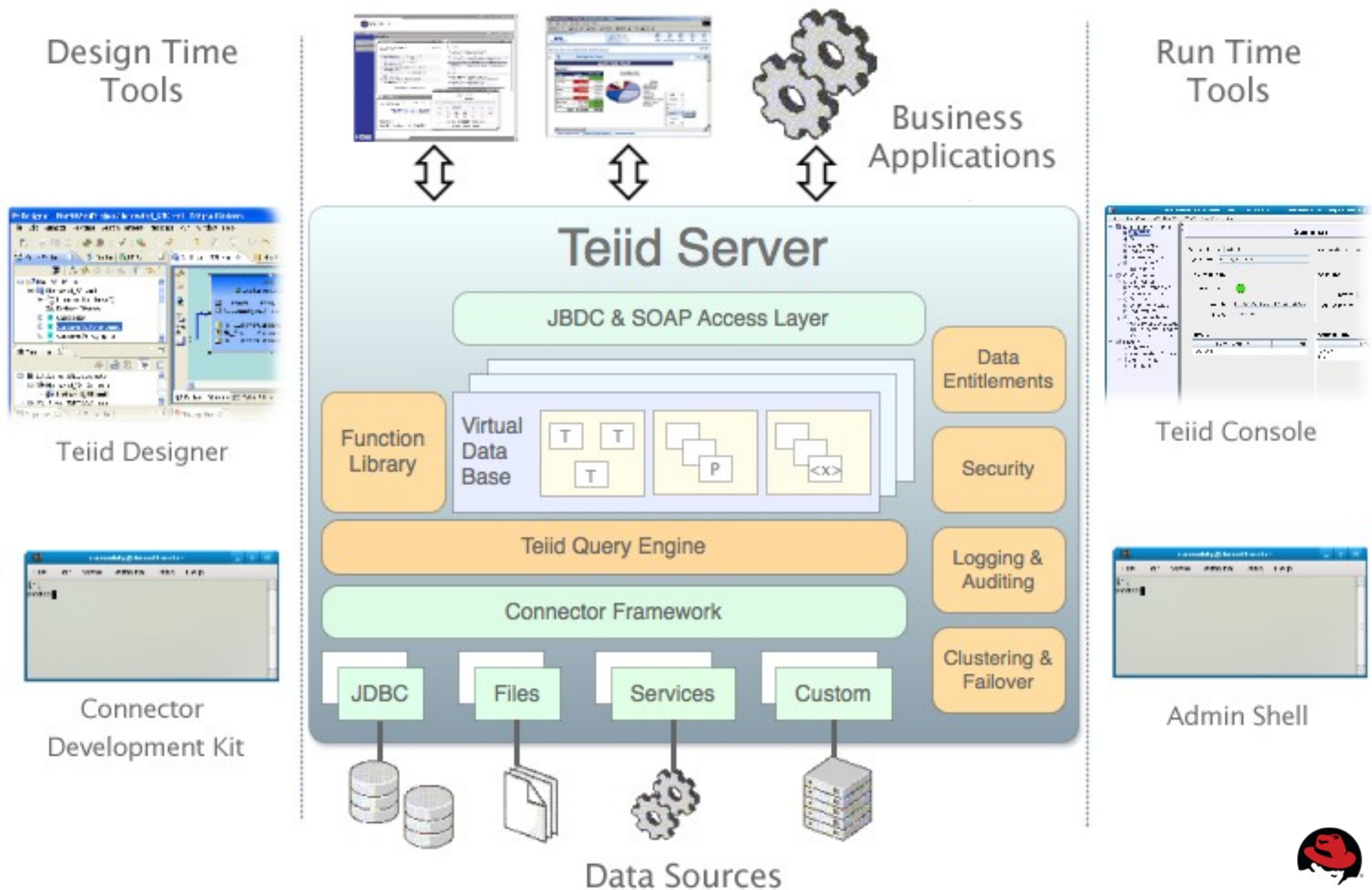


- Data not fresh
- Costly – additional licenses
- More copies of data = more silos
- Lack of agility





# Data Services Platform Architecture





A person is running on a trail, with their torso and legs visible. They are wearing a dark long-sleeved shirt and dark shorts. The background shows a clear blue sky and a range of mountains.

## PERFORMANCE OPTIMIZATION

- ▶ PLAY BETTER, HARDER AND STRONGER
- ▶ EXTEND YOUR CAREER
- ▶ PREVENT INJURIES

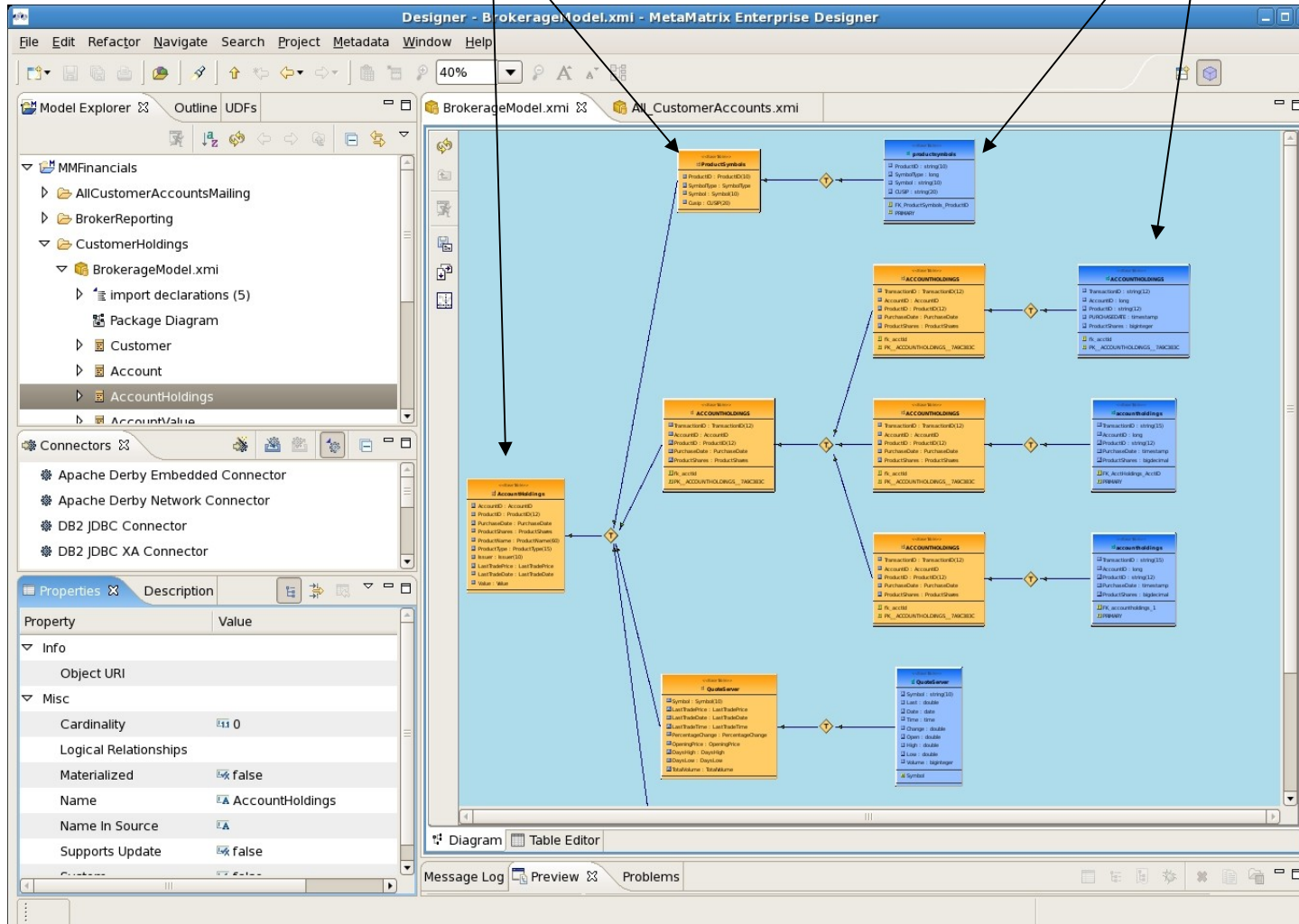


# Designer Tooling

## Physical Models representing

actual data sources

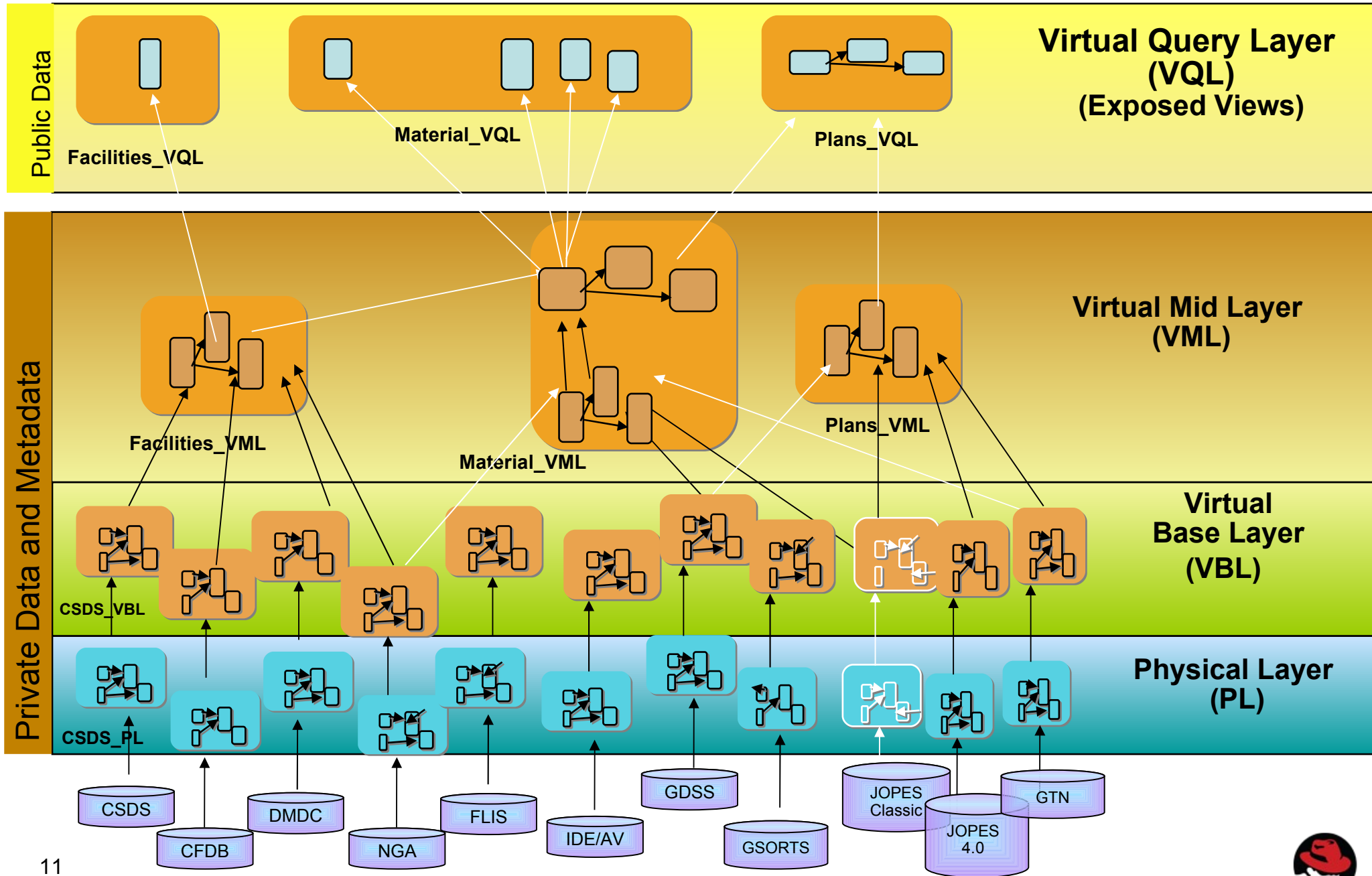
# Logical Models



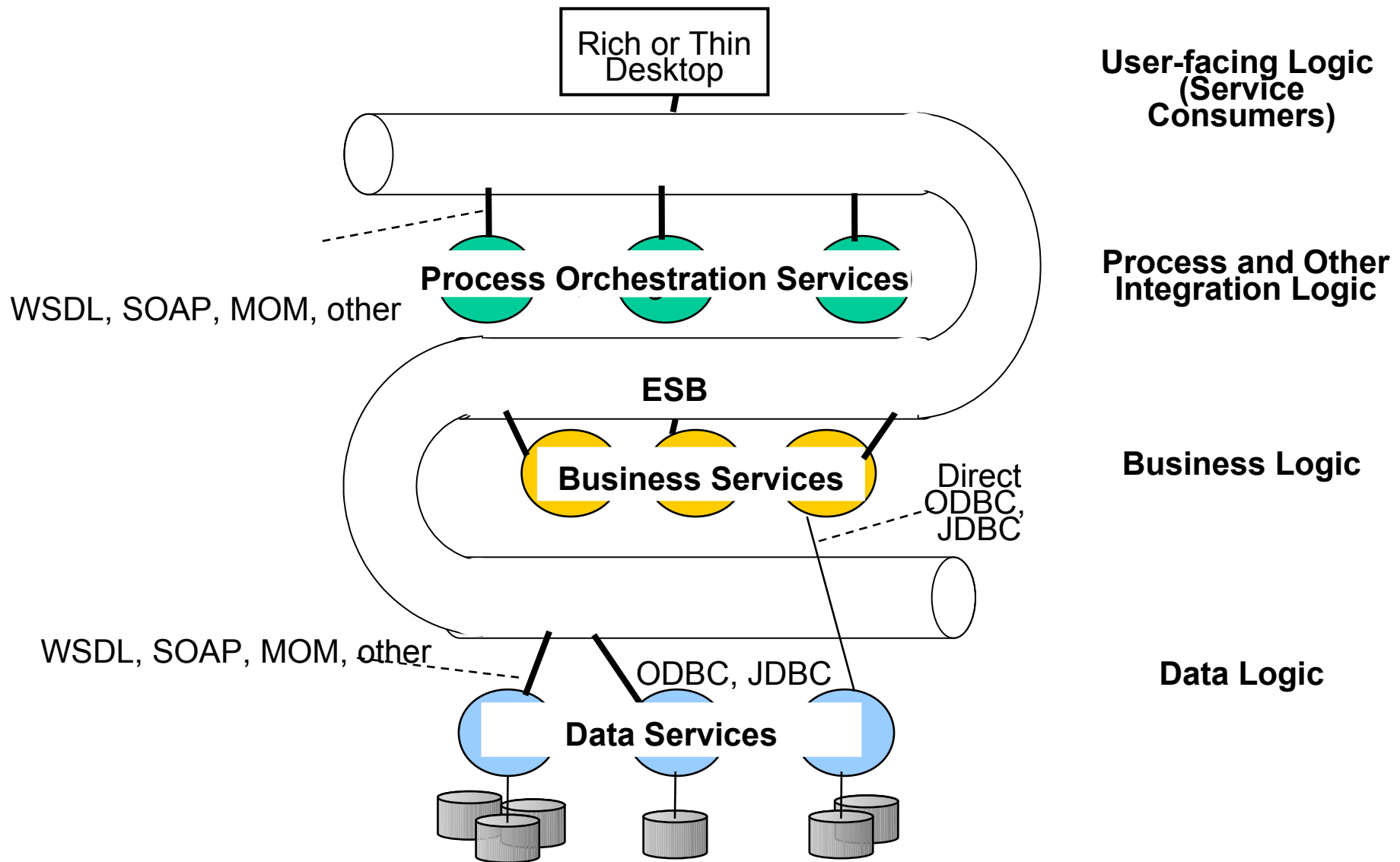
- **Shows structural transformations**
- **Defines transformations with**
  - **Selects**
  - **Joins**
  - **Criteria**
  - **Functions**
  - **Unions**
  - **User Defined**



# Structured Data Services



# Data Services and the ESB



# Teiid Common Use Cases

## Service Oriented Architecture

- Federate/transform data efficiently use by higher-level services
- Insulate business processes from data access details

## Business Intelligence, Operational Analytics, Reporting

- Consolidated financial reports/dashboards/KPIs
- Virtual data marts

## Information Consolidation, Reference Data Management

- Single/360 view of Customer
- Single/360 view of Supplier
- Single/360 view of Employee

## Regulatory Compliance

- Provide common security, central access and auditing of data
- VISA PCI, Sarbanes Oxley, Basel II, HIPAA





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**Questions?**

**On to designer...**

# Give it a try – easy ways to start

Replace a data source with Teiid, update Hibernate / JDBC connection

Add another datasource, do a join and maybe set some defaults

Apply some security

Add a different datasource (file, web service)

Start interacting with Teiid through different interfaces – Services, ODBC

Explore, learn, give feedback!



# Thanks!

Check it out:

<http://www.jboss.org/teiid>

