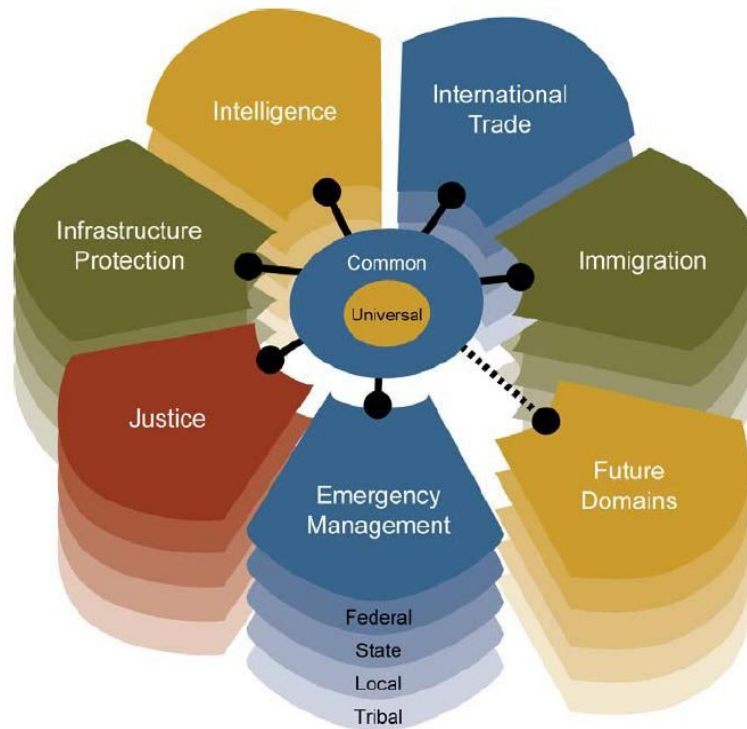


## Canonical Model Management- Getting more from NIEM

For larger organizations that wish to base their canonical model on the NIEM standard there is a common view that NIEM needs to be a component of their model and not the entire model itself. NIEM provides a fast track to a canonical based approach, especially if there is a strong need to exchange information with the NEIM standard. However, there remains the need to tailor NIEM to the specific organization or department in which it is being adopted. This is true both in terms of aligning it to the logical business models and processes that already exist and in terms of opening NIEM up to existing systems and other canonical standards.

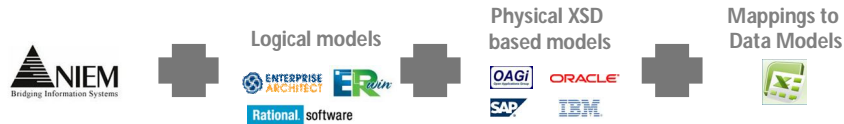


While there is the ability to extend NIEM natively this is difficult to do, especially on a collaborative basis. With igniteXML, NIEM is easily imported and broken down into our patented (USPO 11/258,416) object model in a way that can easily manage future updates from NIEM.

These components can be easily combined with other imported components from Logical Models (e.g. from Rational, Enterprise Architect or Erwin) as well as from other physical industry standard models. This capability is supported by a rich set of collaborative lifecycle management capabilities including role-based approval process, version control and impact analysis. In addition, metadata such as mappings to existing data models, can also be overlaid onto

the objects to create a semantic relationship between objects while making the model more consumable by downstream users.

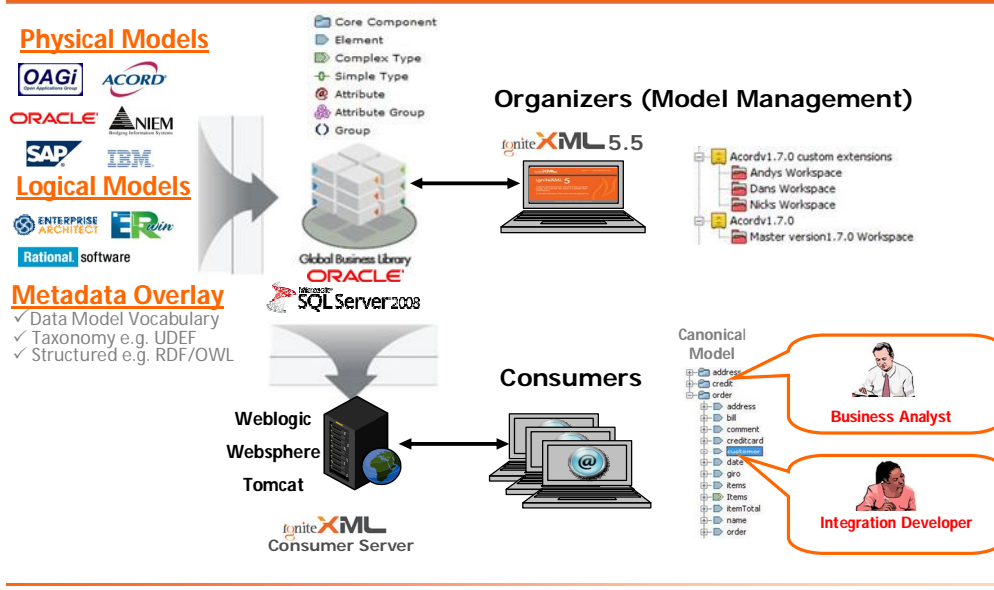
## Requirement



## Customer Specific Messages and IEPD's

Having combined all these elements into an enterprise specific canonical model (or a set of domain models) there is the need for the consumers of this model (Business Analysts and Integration Developers) to easily generate small subset messages and IEPD's. This is achieved using the igniteXML Consumer Server (ICS). This is a web environment which is specifically aimed at the consumers of the canonical model. Using ICS, analysts can easily specify what parts of the model to be used for the XML messages and integration developers can easily build runtime messages and mappings from the model.

## Import , Organize, Publish, Consume



415.373.0300 | www.igniteXML.com

igniteXML

The output of igniteXML, a model derived XML message with documentation and the vocabulary map specification report, are all 100% conformant to the NIEM standard and are “trimmed down” for maximum efficiency in the runtime environment. This approach is governed, controlled and fits neatly into the IPED lifecycle as illustrated by NIEM.

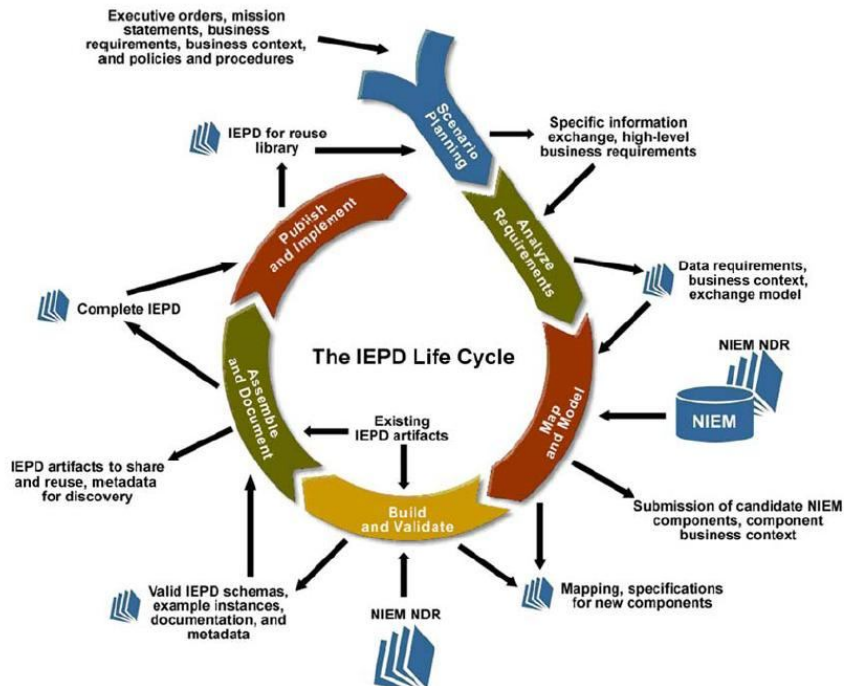
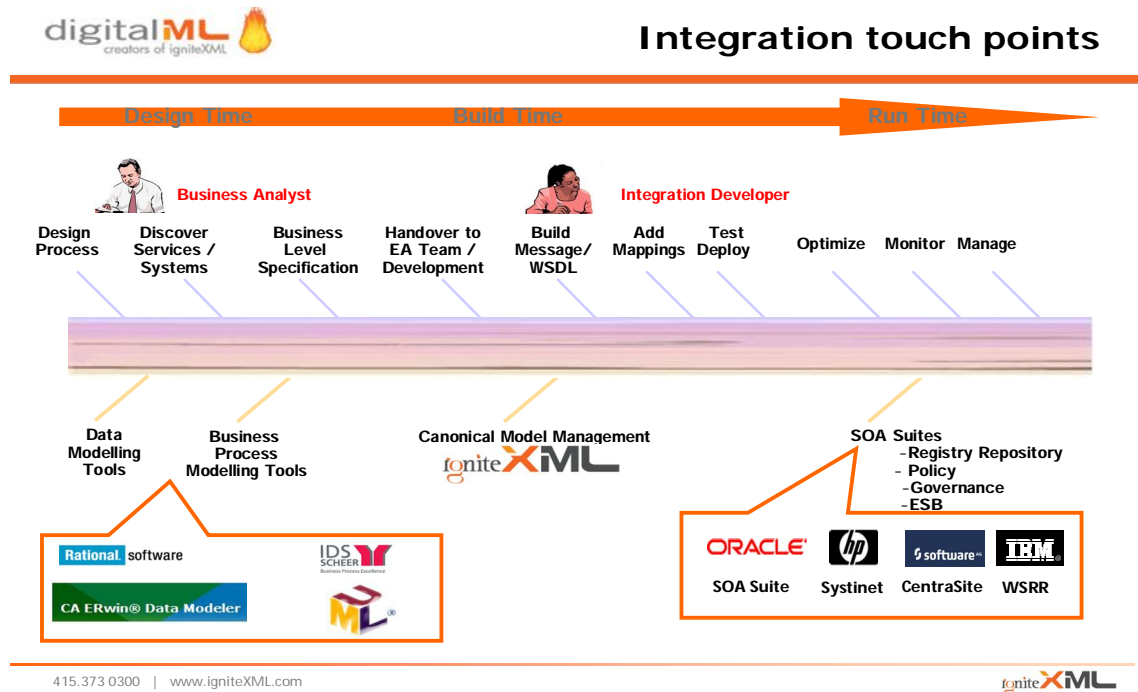


Figure 4: IEPD Life Cycle

igniteXML also enhances existing investments in modelling tools and SOA suites as it serves to bridge a vital gap between modelling and runtime management ensuring governance and data alignment.



digitalML, the makers of igniteXML, is the enterprise Canonical Model Management company. igniteXML is used by Integration and Service Oriented Architecture (SOA) teams in Fortune 2000 and large Government organizations. Through patented technology, igniteXML has changed the ways that customers manage and ensure adoption of their Canonical Model.

**North America Corporate Headquarters:**

digitalML-USA Inc.  
580 California Street, Suite 1600  
San Francisco, CA 94104  
Tel: 1.415.373.0302 Fax: 1.415.373.0307  
Email: jbogard@digitalml.com and support@digitalml.com

**EMEA Corporate Headquarters:**

digitalML Ltd.  
Atrium Court  
The Ring  
Bracknell, Berkshire, RG12 IBW  
Tel: 44 1344 390542  
Email: jsindall@digitalml.com and support@digitalml.com