



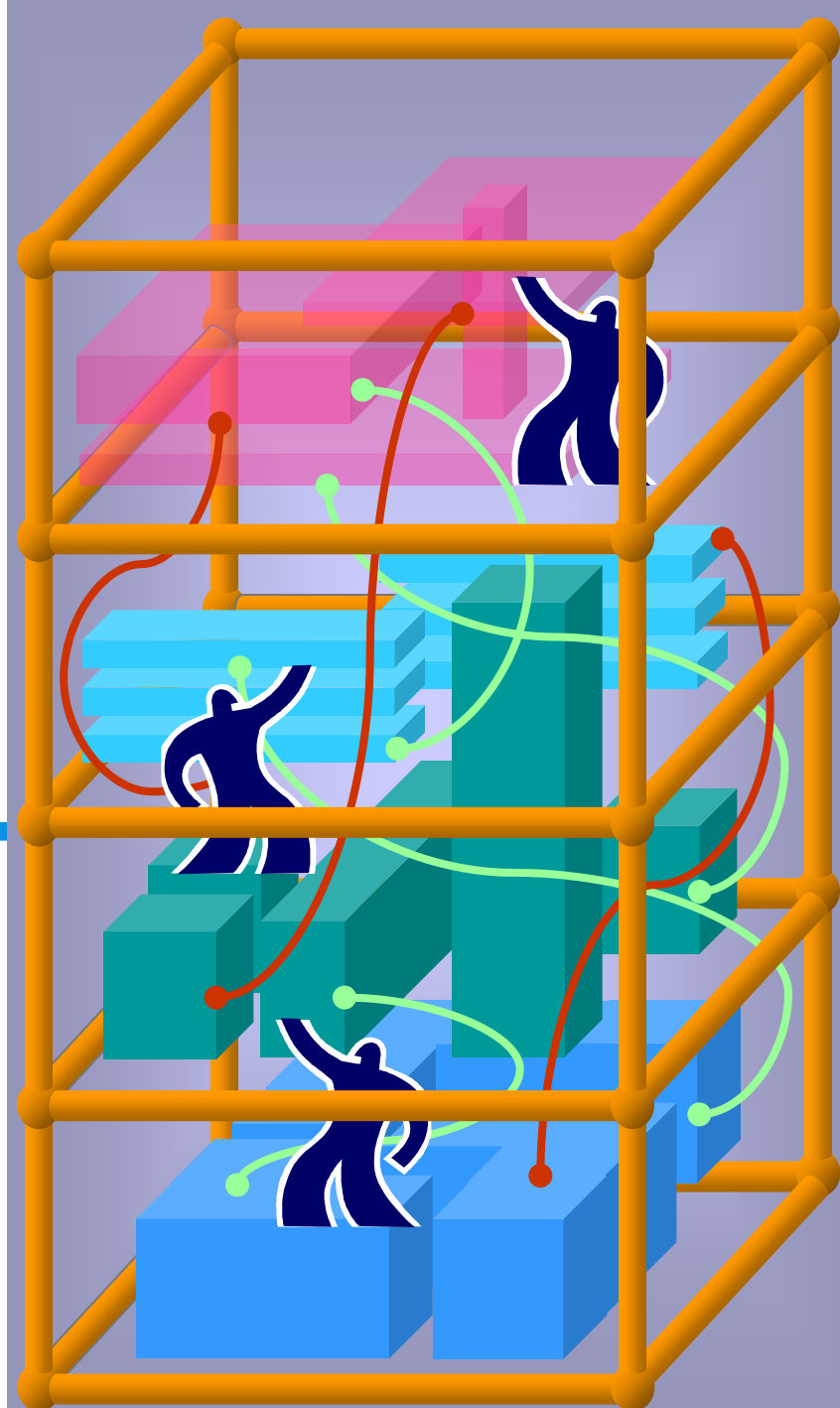
Specialists in Service Oriented
Application Modernization

A Recent NIEM Success

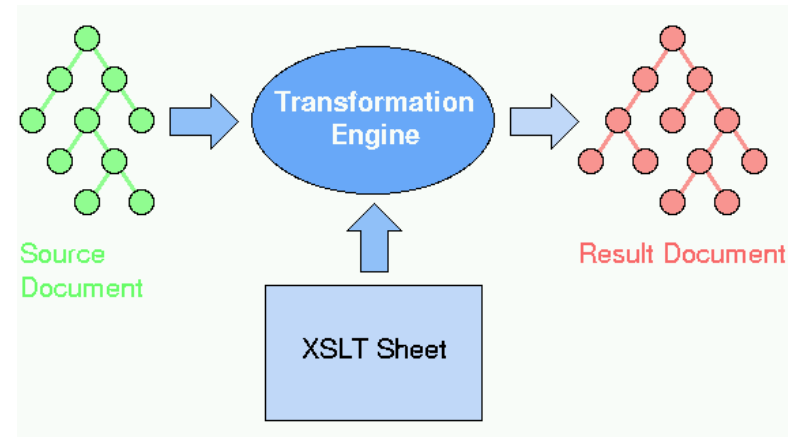
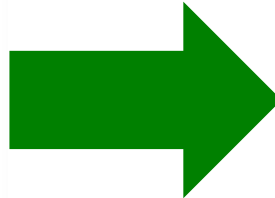
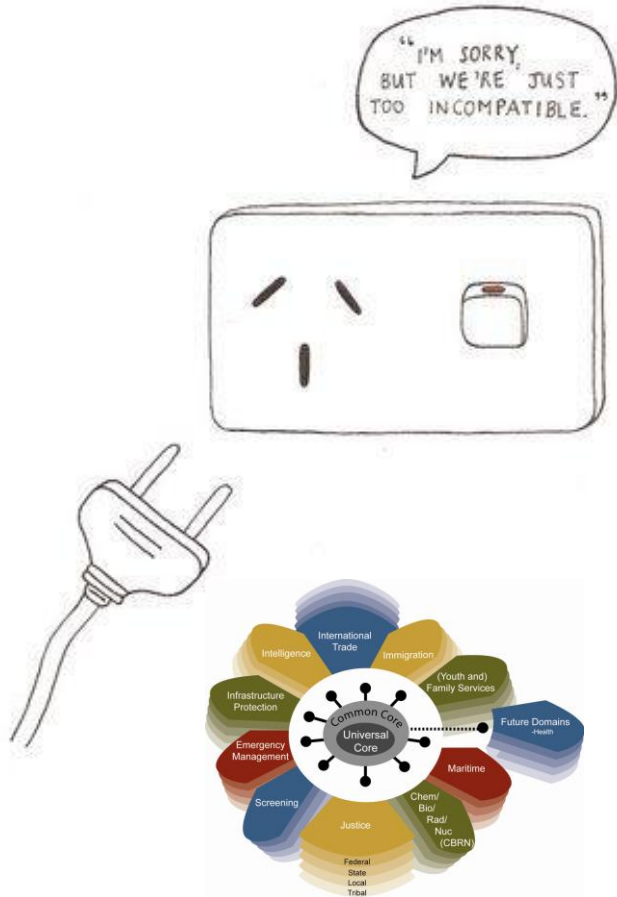
Cloud: SOA, Semantics, & Data Science
September 10th, 2013

Jim Logan

www.everware-cbdi.com



Bridging Existing Systems to NIEM

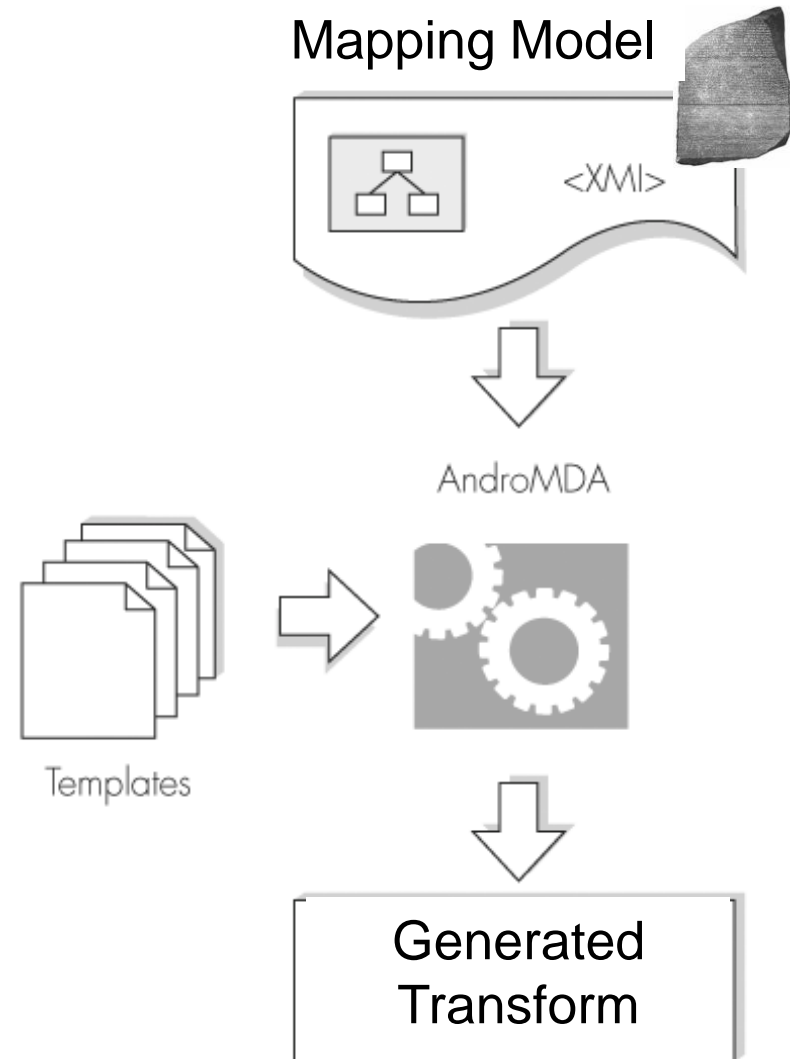


From this situation...

To this...

Using MDA to Generate Transformations

- ❑ Large project, no XML expertise
- ❑ Used a mapping model as a “Rosetta Stone”
- ❑ Generated 90% of the transformations
- ❑ Bolted onto the side of a system being developed using an agile approach
- ❑ Allowed system to change independent of information exchanges



- **Reduces the NIEM burden:**
 - No need for an army of NIEM or XSLT experts
 - Operational systems need no changes
 - Insulates operational systems from information exchanges
- **Enhances flexibility:**
 - Change is easier to accommodate
 - Allows the transformation technology to be changed (e.g., from XSLT to XQuery)
- **Allows stakeholder validation**
- **Supports reporting on traceability and impact analysis**