A Recent NIEM Success

Cloud: SOA, Semantics, & Data Science
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Bridging Existing Systems to NIEM

From this situation…

To this…
A Recent Success

**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
Business Value

- 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