

# SCHEMA COMPOSER

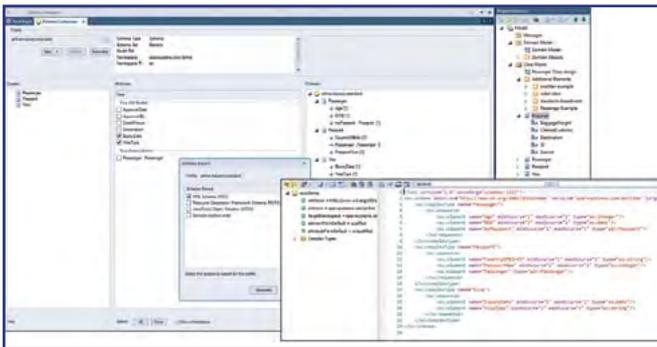
A standards based approach for data definition and interoperability.

# Enterprise Architect Schema Composer

As the challenge of digital innovation forces market participants to review their situation and look hard at the business they are in, formerly siloed key industries are being forced to collaborate.

Enterprise Architect Schema Composer is a powerful, toolset that enables seamless semantic interoperability and enables propagation of data between different organizations with large and dynamic ecosystems such as Construction, Geospatial, Aviation, Smartgrid, Health and Retail etc.

Standards and frameworks such as NIEM provide the grammar to communicate between organizations and at low level, this requires a common information model. The Schema Composer is essential to defining various interchanges that support communication of details from sub-sections of the broader schema.



XML Schema Definition (XSD)

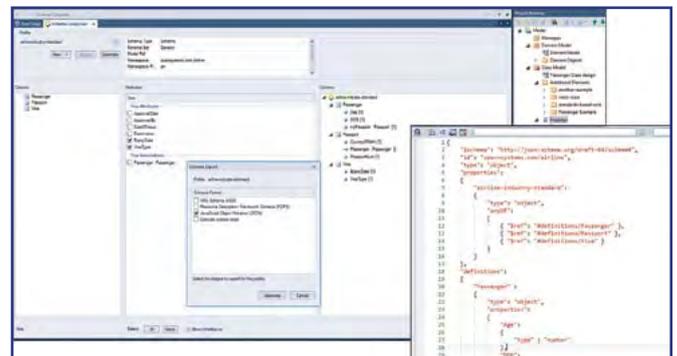
It is a key enabling technology for networking partners concerned with cross-organizational processes and the need for close coordination.

Targeting key industry standards including UN/CEFACT, CIM and NIEM and generates data definition messages into XSD, RDF, OWL, JSON and Augmented RDF from within the model.

Rapid and simple creation of XML files in XSD which specifies how to formally describe the elements in an XML document.

Use these descriptions to verify that each item of content in a document adheres to the description of the element in which the content is to be placed.

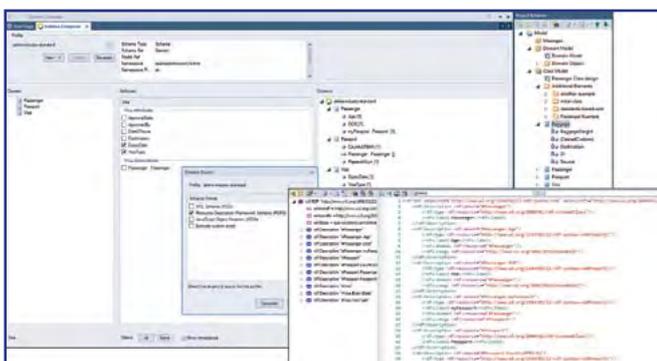
The Schema Composer provides a visual "Point and Click" approach to creating schema definitions. Allowing an easy and rapid, design and build process, for XSD and similar data definitions.



JavaScript Object Notation (JSON)

*To collaborate on the exchange of information common to each individual party, agreement on a custom message format, must first be reached with every other party.*

*Based on the documented difficulties associated with hand crafted messages, the interoperability and associated productivity benefits that will result from the Schema Composer are clear.*



Resource Definition Framework Schema (RDFS)