SIM-TBASSCO – Semantic Interoperability Measures: Template-based Assurance of Semantic Interoperability in Software Composition

Robert Neches, Ke-Thia Yao, In-Young Ko
USC Information Sciences Institute

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Component-based Software Development

How do I make a new component interoperable?

How do I best configure this application for my local environment?

How can I build an correct application with these components?
Design-time Semantic Gauges

Application Scripting

Evaluate options for adding a service into an existing flow of connected component services.

Graph-Based Metric returns semantic interoperability levels of the candidate services.

Dial Gauges show the overall interoperability levels.

Bar Gauges show the I/O semantic interoperability levels for each input of a service.
Design-time Semantic Gauges

Application Scripting

List view shows the sorted list of the services based on the gauge results.

Compound Gauge shows the detail sub-gauges for I/O interoperability and data input/conversion penalty.