P3330™/D4  
Draft Standard for Shape Expression Schemas

Developed by the

of the

IEEE Computer Society

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IEEE SA Standards Board

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Abstract: This standard defines the syntax of Shape Expression schemas represented in JavaScript Object Notation (JSON), Resource Description Framework (RDF) and plain text. This standard includes formal semantics for validation of RDF knowledge graphs using Shape Expressions. This validation process includes the definition of ShapeMaps to associate nodes in RDF graphs with labeled Shape Expressions. A test suite covers all aspects of syntax and validation.

Keywords: RDF, Schema, Shape Expressions, Structure Definition, Structural Validation

[[1]](#footnote-1)•

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