
**Information technology — Database
languages — SQL Technical Reports —**

**Part 6:
SQL support for JavaScript Object
Notation (JSON)**

*Technologies de l'information — Langages de base de données — SQL
rapport techniques —*

Partie 6: Support de SQL pour JavaScript Object Notation (JSON)



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Contents

Page

Foreword.....	ix
Introduction.....	x
1 Scope.....	1
2 Normative references.....	3
2.1 ISO and IEC standards.....	3
2.2 Other international standards.....	3
3 JavaScript Object Notation (JSON).....	5
3.1 What is JSON?.....	5
3.2 Representations of JSON data.....	6
3.2.1 Avro.....	6
3.2.2 BSON.....	7
3.3 Schemas.....	7
3.3.1 JSON schemata and validity.....	7
3.3.2 Avro schemata.....	8
3.3.3 BSON schemata.....	8
3.4 Why does JSON matter in the context of SQL? What is JSON's relationship to NoSQL?.....	9
3.5 JSON terminology.....	10
3.6 Use cases for JSON support in SQL.....	11
3.6.1 JSON data ingestion and storage.....	11
3.6.2 JSON data generation from relational data.....	12
3.6.3 Querying JSON as persistent semi-structured data model instances.....	12
3.7 What features address those use cases?.....	12
3.7.1 Storing JSON data in an SQL table.....	12
3.7.2 Generating JSON in an SQL query.....	13
3.7.3 Querying JSON data in SQL tables using SQL.....	13
4 The SQL/JSON data model.....	15
4.1 SQL/JSON items.....	16
4.1.1 Atomic values.....	17
4.1.2 SQL/JSON arrays.....	18
4.1.3 SQL/JSON objects.....	18
4.2 SQL/JSON sequences.....	19
4.3 Parsing JSON.....	19
4.4 Serializing JSON.....	19
5 SQL/JSON functions.....	21
5.1 Handle JSON using built-in functions.....	21

5.2	JSON API common syntax.	21
5.2.1	JSON value expression.	22
5.2.2	Path expression.	22
5.2.3	PASSING clause.	22
5.2.4	JSON output clause.	23
5.2.5	ON ERROR and ON EMPTY syntax.	23
5.3	Query functions.	24
5.3.1	JSON_EXISTS.	24
5.3.2	JSON_VALUE.	27
5.3.3	JSON_QUERY.	32
5.3.4	JSON_TABLE.	35
5.3.4.1	COLUMNS clause that is not nested.	36
5.3.4.2	Nested COLUMNS clause.	39
5.3.4.3	PLAN clause.	40
5.3.5	Conformance features for query operators.	44
5.4	Constructor functions and IS JSON predicate.	46
5.4.1	JSON_OBJECT.	47
5.4.2	JSON_OBJECTAGG.	48
5.4.3	JSON_ARRAY.	50
5.4.4	JSON_ARRAYAGG.	50
5.4.5	IS JSON predicate.	52
5.4.6	Handling of JSON nulls and SQL nulls.	53
5.4.7	Conformance features for constructor functions.	53
6	SQL/JSON path language.	55
6.1	Overview of SQL/JSON path language.	55
6.2	Objectives for the SQL/JSON path language.	57
6.3	Modes.	58
6.3.1	Example of strict vs lax.	59
6.4	Lexical issues.	61
6.5	Syntax summary.	62
6.6	Formal semantics.	63
6.6.1	Notational conventions.	63
6.7	Primitive operations.	64
6.7.1	Concatenation.	64
6.7.2	unwrap().	64
6.7.3	wrap().	65
6.8	Mode declaration.	65
6.9	<JSON path primary>.	66
6.9.1	Literals.	66
6.9.2	Variables.	67
6.9.3	Parentheses.	68
6.10	Accessors.	68
6.10.1	Member accessor.	69

6.10.2	Member wildcard accessor.	72
6.10.3	Element accessor.	73
6.10.4	Element wildcard accessor.	75
6.10.5	Sequence semantics of the accessors.	76
6.11	Item methods.	77
6.11.1	type().	77
6.11.2	size().	78
6.11.3	Numeric item methods (double, ceiling, floor, abs).	78
6.11.4	datetime().	78
6.11.5	keyvalue().	79
6.12	Arithmetic expressions.	80
6.12.1	Unary plus and minus.	81
6.12.2	Binary operations.	82
6.13	Filter expression.	82
6.13.1	true/false and <u>True/False</u>	83
6.13.2	null and <u>Unknown</u>	83
6.13.3	Error handling in filters.	83
6.13.4	Truth tables.	86
6.13.5	Comparison predicates.	87
6.13.6	like_regex predicate.	89
6.13.7	starts with predicate.	90
6.13.8	exists predicate.	90
6.13.9	is unknown predicate.	92
6.14	Conformance features for SQL/JSON path language.	93
Bibliography.		95
Index.		97

Tables

Table	Page
1 Terms and definitions.	10
2 JSON, SQL/JSON, and SQL (other than SQL/JSON values and counterparts).	15
3 Parallels between JSON text and SQL/JSON data model.	19
4 JSON_EXISTS sample data.	24
5 Result of the sample query.	25
6 Accessor example.	26
7 Result 1.	28
8 Result 2.	29
9 Result 3.	29
10 Result 4.	30
11 Result 5.	31
12 Result 6.	31
13 Comparison of wrapper options.	35
14 JSON_TABLE sample data in a book recommendation table.	36
15 Query result.	38
16 Query result.	39
17 Query result.	42
18 Query result.	42
19 Query result.	44
20 DEPTS table.	46
21 JOBS table.	47
22 EMPLOYEES table.	47
23 The JSON object returned.	48
24 Returned JSON object with the corresponding job sequence number.	49
25 Query result.	51
26 Query Results.	51
27 Query Results.	52
28 Three aspects of path evaluation governed by modes.	58
29 Example of strict vs lax.	59
30 Features of the SQL/JSON path language.	62
31 Data used by unwrap() example.	64
32 Data used by wrap() example.	65
33 Examples of atomic values in the SQL/JSON path language.	66
34 Examples of the escaping rules.	66
35 Evaluation of '\$.phones.type' in lax mode.	70
36 Intermediate step.	70
37 Evaluation of '\$.phones[*].type'	71
38 Evaluation of '\$.phones[*] ? (exists (@.type)).type'	71
39 Evaluation of '\$.phones.*' in lax mode.	72
40 Evaluation of '\$.phones[*].*'	73
41 Evaluation of 'lax \$.sensors.*[0, last, 2]'	75
42 The step in the evaluation	76
43 Result of the query with the sample data	80

44	Evaluation of <code>lax -\$.readings.floor()</code>	81
45	Evaluation of <code>'lax (-\$.readings).floor()'</code>	81
46	Table T with two rows	84
47	Computation on row K=102	84
48	Modified table T	85
49	Computation on row K=102 in modified table T.....	85
50	Computation of <code>'lax \$? (@.hours > 9)'</code> on row K=102.....	86
51	Computation of <code>'strict \$? (@.hours > 9)'</code> in strict mode.....	86
52	Result of <code>&&</code>	87
53	Result of <code> </code>	87
54	Result of <code>!</code>	87
55	Supported comparisons	88
56	Final result	89
57	A table with JSON column	91
58	Evaluation of <code>'strict \$? (exists (@.name)).name'</code> on row K=201.....	91
59	Evaluation of <code>'strict \$? (exists (@.name)).name'</code> on row K=202.....	91

Figures

Figure	Page
1 Relationships between “JSON” and “SQL/JSON”.....	15
2 The SQL/JSON path language architecture.	55

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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This document was prepared by Technical Committee ISO/IEC JTC 1, Information technology, Subcommittee SC 32, *Data management and interchange*.

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NOTE 1 — The individual parts of multi-part technical reports are not necessarily published together. New editions of one or more parts can be published without publication of new editions of other parts.

Introduction

The organization of this part of ISO/IEC 19075 is as follows:

- 1) **Clause 1, “Scope”**, specifies the scope of this part of ISO/IEC 19075.
- 2) **Clause 2, “Normative references”**, identifies additional standards that, through reference in this part of ISO/IEC 19075, constitute provisions of this part of ISO/IEC 19075.
- 3) **Clause 3, “JavaScript Object Notation (JSON)”**, introduces what is JSON.
- 4) **Clause 4, “The SQL/JSON data model”**, introduces the data model that is used by the SQL/JSON functions and the SQL/JSON path language.
- 5) **Clause 5, “SQL/JSON functions”**, introduces the SQL/JSON functions to query and construct JSON.
- 6) **Clause 6, “SQL/JSON path language”**, introduces the SQL/JSON path language.

Information technology — Database languages — SQL Technical Reports —**Part 6:****SQL support for JavaScript Object Notation (JSON)****1 Scope**

This Technical Report describes the support in SQL for JavaScript Object Notation.

This Technical Report discusses the following features of the SQL language:

- Storing JSON data.
- Publishing JSON data.
- Querying JSON data.
- SQL/JSON data model and path language.

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2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

2.1 ISO and IEC standards

[ISO9075-2] ISO/IEC 9075-2:2016, *Information technology — Database languages — SQL — Part 2: Foundation (SQL/Foundation)*

2.2 Other international standards

[ECMAScript] ISO/IEC 16262:2011, *Information technology — Programming languages, their environments and system software interfaces — ECMAScript language specification*; also available as *ECMAScript Language Specification*,
<http://www.ecma-international.org/publications/files/ecma-st/ECMA-262.pdf>

[Unicode] The Unicode Standard,
<http://unicode.org>

[RFC7159] Internet Engineering Task Force, RFC 7159, *The JavaScript Object Notation (JSON) Data Interchange Format*, March 2014,
<https://tools.ietf.org/rfc/rfc7159.txt>