
**Information technology — Database
languages — SQL —**

Part 9:

Management of External Data (SQL/MED)

*Technologies de l'information — Langages de base de données — SQL —
Partie 9: Gestion des données externes (SQL/MED)*
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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO/IEC 9075 may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

International Standard ISO/IEC 9075-9 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

ISO/IEC 9075 consists of the following parts, under the general title *Information technology — Database languages — SQL*:

- *Part 1: Framework (SQL/Framework)*
- *Part 2: Foundation (SQL/Foundation)*
- *Part 3: Call-Level Interface (SQL/CLI)*
- *Part 4: Persistent Stored Modules (SQL/PSM)*
- *Part 5: Host Language Bindings (SQL/Bindings)*
- *Part 9: Management of External Data (SQL/MED)*
- *Part 10: Object Language Bindings (SQL/OLB)*

Annexes A, B, C, D, E, F, G and H of this part of ISO/IEC 9075 are for information only.

Introduction

The organization of this part of ISO/IEC 9075 is as follows:

- 1) Clause 1, "Scope", specifies the scope of this part of ISO/IEC 9075.
- 2) Clause 2, "Normative references", identifies additional standards that, through reference in this part of ISO/IEC 9075, constitute provisions of this part of ISO/IEC 9075.
- 3) Clause 3, "Definitions, notations, and conventions", defines the notations and conventions used in this part of ISO/IEC 9075.
- 4) Clause 4, "Concepts", presents concepts related to this part of ISO/IEC 9075.
- 5) Clause 5, "Lexical elements", defines the lexical elements of the language specified in this part of ISO/IEC 9075.
- 6) Clause 6, "Scalar expressions", defines the elements of the language that produce scalar values.
- 7) Clause 7, "Query expressions", defines the elements of the language that produce rows and tables of data.
- 8) Clause 8, "Predicates", defines the predicates of the language.
- 9) Clause 9, "URLs", specifies the format of URLs used in this part of ISO/IEC 9075.
- 10) Clause 10, "Data assignment rules and routine determination", specifies the rules for assignments that retrieves data from or store data into SQL-data, and formation rules for set operations.
- 11) Clause 11, "Additional common elements", defines additional common elements used in the definition of foreign tables, foreign servers, and foreign-data wrappers.
- 12) Clause 12, "Schema definition and manipulation", defines facilities related to foreign tables and datalink type support for creating and managing a schema.
- 13) Clause 13, "Catalog manipulation", defines facilities for creating, altering, and dropping foreign servers and foreign-data wrappers.
- 14) Clause 14, "Access control", defines facilities for controlling access to SQL-data.
- 15) Clause 15, "SQL-client modules", defines SQL-client modules and externally-invoked procedures.
- 16) Clause 16, "Data manipulation", defines the data manipulation statements.
- 17) Clause 17, "Session management", defines the SQL-session management statements.
- 18) Clause 18, "Dynamic SQL", defines the dynamic SQL statements.
- 19) Clause 19, "Embedded SQL", defines the embedded SQL statements.