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BSI Standards Publication

Information technology — Guidance for the use of database language SQL

Part 1: XQuery regular expressions

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Introduction

The organization of this document is as follows:

1) Clause 1, "Scope", specifies the scope of this document.

2) Clause 2, "Normative references", identifies additional standards that, through reference in this document, constitute provisions of this document.

3) Clause 3, "Terms and definitions", defines the terms and definitions used in this document.

4) Clause 4, "XQuery regular expressions", explains how XQuery regular expressions are formed.

5) Clause 5, "Operators using regular expressions", explains how the SQL operators use regular expressions.

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Information technology — Guidance for the use of database language SQL —

Part 1:
XQuery regular expressions

1 Scope

This document describes the regular expression support in SQL (ISO/IEC 9075-2) adopted from the regular expression syntax of XQuery and XPath Functions and Operators 3.1, which is derived from Perl. This document discusses five operators using this regular expression syntax:

— LIKE_REGEX predicate, to determine the existence of a match to a regular expression.

— OCCURRENCES_REGEX numeric function, to determine the number of matches to a regular expression.

— POSITION_REGEX function, to determine the position of a match.

— SUBSTRING_REGEX function, to extract a substring matching a regular expression.

— TRANSLATE_REGEX function, to perform replacements using a regular expression.

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