

Query Language Symbols and Operators

Literals

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| self | Refers to the object the expression is being evaluated for |
| yes or true | Boolean values for TRUE |
| no or false | Boolean values for FALSE |
| <i>"aString"</i> or <i>'aString'</i> | Declares <i>aString</i> a string literal |
| <i>number</i> | Any legal integer or floating point number |
| <i>AttributeName</i> | An attribute reference |

Transform Operators

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| quote (<i>some text</i>) | Results in a string value equal to <i>some text</i> |
| regex (<i>a BSD regular expression</i>) | Results in a regular expression |
| shell (<i>an expression with shell wildcards</i>) | Results in a regular expression |
| parse (<i>some text</i>) | Parses the text argument into an attribute-value list |

Projection Operators

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| project (<i>AttributeName entity_or_object</i>) | Projects the attribute named <i>AttributeName</i> from the set of attributes represented by <i>entity_or_object</i> |
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Boolean Operators

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| or (<i>a b</i>) | Results in true if either <i>a</i> or <i>b</i> is true , false if both are false |
| and (<i>a b</i>) | Results in true if both <i>a</i> and <i>b</i> are true , false if either is false |
| not (<i>a b</i>) | Equivalent to and (<i>a not(b)</i>) |
| not (<i>a</i>) | The logical negation of <i>a</i> |

Set Operators

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| or (<i>s t</i>) | Results in the union of sets <i>s</i> and <i>t</i> |
| or (<i>s</i>) | ^a Any one or more of the items in set <i>s</i> ^o (for use with search operators only) |
| and (<i>s t</i>) | Results in the intersection of sets <i>s</i> and <i>t</i> |
| and (<i>s</i>) | ^a All of the items in set <i>s</i> ^o (for use with search operators only) |
| not (<i>s t</i>) | Results in a set containing those items in set <i>s</i> that aren't in set <i>t</i> |

Relational Operators

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| gt (<i>a b</i>) | Results in true if <i>a</i> is greater than <i>b</i> , false otherwise |
| ge (<i>a b</i>) | Results in true if <i>a</i> is greater than or equal to <i>b</i> , false otherwise |

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|--------------------------|--|
| eq (<i>a b</i>) | Results in true if <i>a</i> is equal to <i>b</i> , false otherwise |
| ne (<i>a b</i>) | Results in true if <i>a</i> is not equal to <i>b</i> , false otherwise |
| lt (<i>a b</i>) | Results in true if <i>a</i> is less than <i>b</i> , false otherwise |
| le (<i>a b</i>) | Results in true if <i>a</i> is less than or equal <i>b</i> , false otherwise |

Arithmetic Operators

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| add (<i>a b</i>) | Results in the sum of <i>a</i> and <i>b</i> |
| sub (<i>a b</i>) | Results in difference of <i>a</i> and <i>b</i> |
| mul (<i>a b</i>) | Results in product of <i>a</i> and <i>b</i> |
| div (<i>a b</i>) | Results in quotient of <i>a</i> and <i>b</i> |
| neg (<i>a</i>) | Results in the arithmetic negative of <i>a</i> |

Search Operators

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| whole (<i>value</i>) | Searches for <i>value</i> as an exact match in the Default attribute |
| whole (<i>AttributeName value</i>) | Searches for <i>value</i> as an exact match in the attribute named <i>AttributeName</i> |
| whole (<i>entity value</i>) | Searches for <i>value</i> as an exact match in <i>entity</i> ; results in true if value is found, false if not |
| whole (<i>string value</i>) | Searches for <i>value</i> as an exact match to <i>string</i> ; results in true if value is found, false if not (this is equivalent to eq (<i>string value</i>)) |
| prefix () | Searches for a value as a prefix match; arguments may be as for whole () |
| within () | Searches for a value as a match anywhere within an attribute or string; arguments may be as for whole () |

Pre-defined Attributes

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| Default | The default attribute defined by the query language |
| Content | For a file or file record, the literal text of the file |

IXFileRecord Attributes

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| FileName | The name of a file relative to the root path of the IXFileFinder that created the IXFileRecord (string). |
| FileType | The file's type (string); for example, "rtf". |
| FileDevice | The device number for the device the file is on, as returned by stat() (number). |
| FileInode | The inode number of the file (number). |
| FileMode | The file's permissions (number). |
| FileCount | The number of hard links to the file (number). |
| FileOwner | The file's owner (string). |
| FileGroup | The file's group (string). |
| FileSize | The file's size, in bytes (number). |
| AccessTime | The time the file was last accessed, as returned by stat() (number). |
| ModifyTime | The time the file's content was last modified, as returned by stat() (number). |
| ChangeTime | The time the file's status information was last changed, as |

UnixType

returned by **stat()** (number).

The inode type for the file, encoded as a number.