

Query Language Symbols and Operators

Literals

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

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

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

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

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

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

eq(*a b*)

Results in **true** if *a* is equal to *b*, **false** otherwise

ne(*a b*)

Results in **true** if *a* is not equal to *b*, **false** otherwise

lt(*a b*)

Results in **true** if *a* is less than *b*, **false** otherwise

le(*a b*)

Results in **true** if *a* is less than or equal *b*, **false** otherwise

Arithmetic Operators

add(*a b*)

Results in the sum of *a* and *b*

sub(*a b*)

Results in difference of *a* and *b*

mul(*a b*)

Results in product of *a* and *b*

div(*a b*)

Results in quotient of *a* and *b*

neg(*a*)

Results in the arithmetic negative of *a*

Search Operators

whole(*value*)

Searches for *value* as an exact match in the Default attribute

whole(*AttributeName value*)

Searches for *value* as an exact match in the attribute named *AttributeName*

whole(*entity value*)

Searches for *value* as an exact match in *entity*; results in **true** if value is found, **false** if not

whole(*string value*)

Searches for *value* as an exact match to *string*; results in **true** if value is found, **false** if not (this is equivalent to **eq**(*string value*))

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

Default

The default attribute defined by the query language

Content

For a file or file record, the literal text of the file

IXFileRecord Attributes

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.