

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 (<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	
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	
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	
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

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

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