Configuration

Property Builder · https://extensionkit.unitfly.com/documentation/property-builder-configuration/

After you have successfully installed the application, you can start adding calculation rules.

1. Open M-Files Admin.
2. In the left-side tree view, expand the desired connection to M-Files Server.
3. In the left-side tree view, expand the Document Vaults node.
4. Still, in the left-side tree view, expand the vault where you installed the connector and select **Configurations**.
5. Expand *Other Applications*.
6. Expand *Extension Kit*.
7. Click on **Property builder**.

Field Description

Field	Value	Description
Enabled	Yes/No	Specifies whether the module is in use.
Configuration Mode	Simple/Advanced	Displayed simple or advanced configuration options.
Rule groups > Group [n]		
Name	Text	Specifies name of the rule group.
Rule groups > Group [n] > Rules > Rule [n]		
Name	Text	Specifies name of the rule.
Description	Text	Optional rule description.
Enabled	Yes/No	Specifies whether the rule is in use.

Configuration mode	Simple/Advanced	Display simple or advanced configuration options for module.
Property	Property definition	Property whose value will be set to the result of specified SQL query.
Property type	SQL	Type of property. Currently, only SQL properties are supported.
Recalculate daily	Yes/No	If it set to yes, property will be recalculated daily between midnight and 1 am.
Recalculate properties	Yes/No	If it set to yes, it will recalculate chosen properties when clicked Recalculate on dashboard.
Business Critical	Yes/No	If set to true, rule will be logged in SEQ.
Rule groups > Group [n] > Rules > Rule [n] > Filter Conditions		
SearchConditions	Search Conditions	*Displayed only if [Advanced] is selected as Configuration Mode.* Optional filters that object must match in order for property to be calculated. Multiple filters are combined with OR operator.
Rule groups > Group [n] > Rules > Rule [n] > SQL settings		
Connection string	Text	Connection string to the SQL Server database. Example: Data Source=10.0.0.7; Initial Catalog=TestDB; Persist Security Info=True; User ID=dbuser; Password=passw!23

Result type	One of the following: • Simple value • Object ID • Object Name • Value list item • ID • Value list item name	Specifies what the result of SQL query represents. Simple value is used when resulting property is not lookup based. When resulting property is lookup based, returned value can be either object's, or value list item's ID or name.
Object type of query result	Object type	*Displayed only when Query result type is Object Name.* Expected object type of result.
Object class of query result	Object class	*Displayed only when Query result type is Object Name.* Expected object class of result.
Query type	One of the following: • Query • Stored procedure	Type of SQL query to execute.
Query	Text with placeholders	*Displayed only when Query type is Query.* SQL query to execute.
Stored procedure name	Text with placeholders	*Displayed only when Query type is Stored procedure.* Name of stored procedure to execute.
Rule groups > Group [n] > Rules > Rule [n] > SQL settings > Stored procedure parameter [n]		
Name	Name	SQL parameter name.

Mode	One of the following: • Static • Dynamic	**Static.** Entered parameter value will be sent as-is. **Dynamic.** Placeholders will be resolved in entered parameter value.

Database Type	One of the following: AnsiString FixedLength Binary Boolean Byte Currency Date DateTime DateTime2 DateTimeOffset Decimal Double Guid Int16 Int32 Int64 Object SByte SingleString String FixedLength Time UInt16 UInt32 UInt64 VarNumeric Xml	Database data types from docs.microsoft.com/en-us/dotnet/api/system.data.dbtype **AnsiString.** A variable-length stream of non-Unicode characters ranging between 1 and 8,000 characters. **AnsiStringFixedLength.** A fixed-length stream of non-Unicode characters. **Binary.** A variable-length stream of binary data ranging between 1 and 8,000 bytes. **Boolean.** A simple type representing Boolean values of true or false. **Byte.** An 8-bit unsigned integer ranging in value from 0 to 255. **Currency.** A currency value ranging from -2 63 (or -922,337,203,685,477.5808) to 2 63 -1 (or +922,337,203,685,477.5807) with an accuracy to a ten-thousandth of a currency unit. **Date.** A type representing a date value. **DateTime.** A type representing a date and time value. **DateTime2.** Date and time data. Date value range is from January 1,1 AD through December 31, 9999 AD. Time value range is 00:00:00 through 23:59:59.9999999 with an accuracy of 100 nanoseconds. **DateTimeOffset.** Date and time data with time zone awareness. Date value range is from January 1,1 AD through December 31, 9999 AD. Time value range is 00:00:00 through 23:59:59.9999999 with an accuracy of 100 nanoseconds. Time zone value range is -14:00 through +14:00. **Decimal.** A simple type representing values ranging from 1.0 x 10 -28 to approximately 7.9 x 10 28 with 28-29 significant digits. **Double.** A floating point type representing values ranging from approximately 5.0 x 10 -324 to 1.7 x 10 308 with a precision of 15-16 digits. **Guid.** A globally unique identifier (or GUID). **Int16**. An integral type representing signed 16-bit integers with values between -32768 and 32767. **Int32.** An integral type representing signed 32-bit integers with values between -2147483648 and 2147483647. **Int64.** An integral type representing signed 64-bit integers

Value	Value	*Displayed only if [Dynamic] is selected as Parameter mode.* Parameter value
Rule groups > Group [n] > Rules > Rule [n] > SQL settings > Advanced settings		
Time to wait	Integer	Number of milliseconds to wait before executing any rule in background.
Number of retries	Integer	Maximum number of times COM error is retried.
Retry interval (milliseconds)	Integer	Numbers of milliseconds to wait between retries.