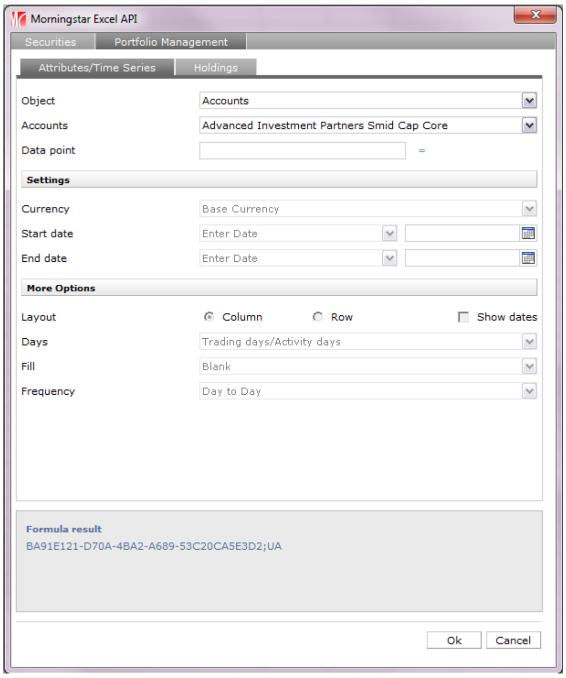
Morningstar® Direct℠ **Excel API**

Accounts/Model Portfolios/Custom Benchmarks

- For accounts, Excel API supports discrete data with MSDP function, time series data with MSTS function, holding data with MSHOLDING function;
- Trailing return, trailing risk, return, return index, portfolio stats, custom cal and holding data enabled for accounts in Excel API;
- Getting data for accounts is similar as getting data for Funds/Stocks in Excel API, except that, security identifier for accounts is GUID.

Dialog for accounts

- Securities tab is for funds, stocks, indices and separate accounts.
- Portfolio Management tab is for accounts, model portfolios and custom benchmarks.



Object: dropdown list, three options--accounts, model portfolios and custom benchmarks; accounts is the default option.

Accounts: the name of this box change according to the selected options of Object box;
When users click Portfolio Management tab->Attributes/Time Series sub-tab, as the default option of Object box is Accounts, the default name of this box is Accounts. API reads all accounts the users saved in Direct.
When users select model portfolios in the Object box, the box name will change to model portfolios. API reads all model portfolios the users saved in Direct. The same logic is applied to custom benchmark option.

Other settings work the same as the Attributes/Time Series tab and Holdings tab of Securities.

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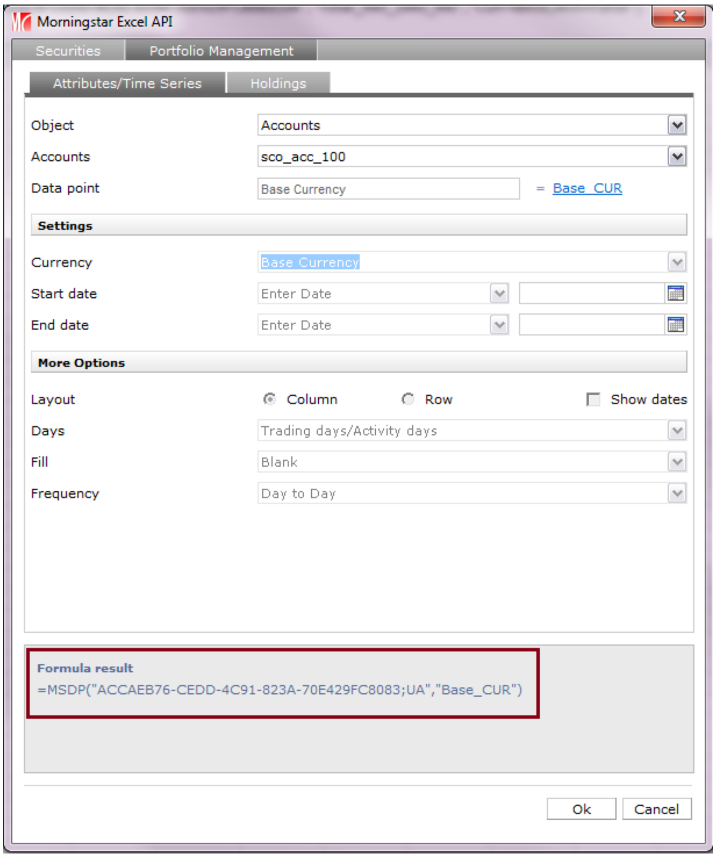
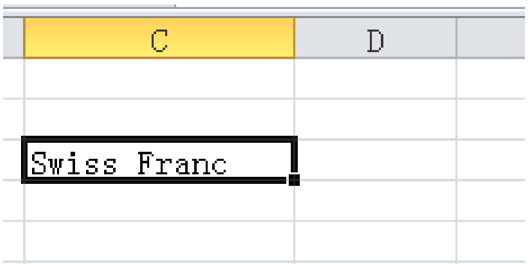
Examples

Example 1: get base currency with MSDP for accounts



Results in Excel:



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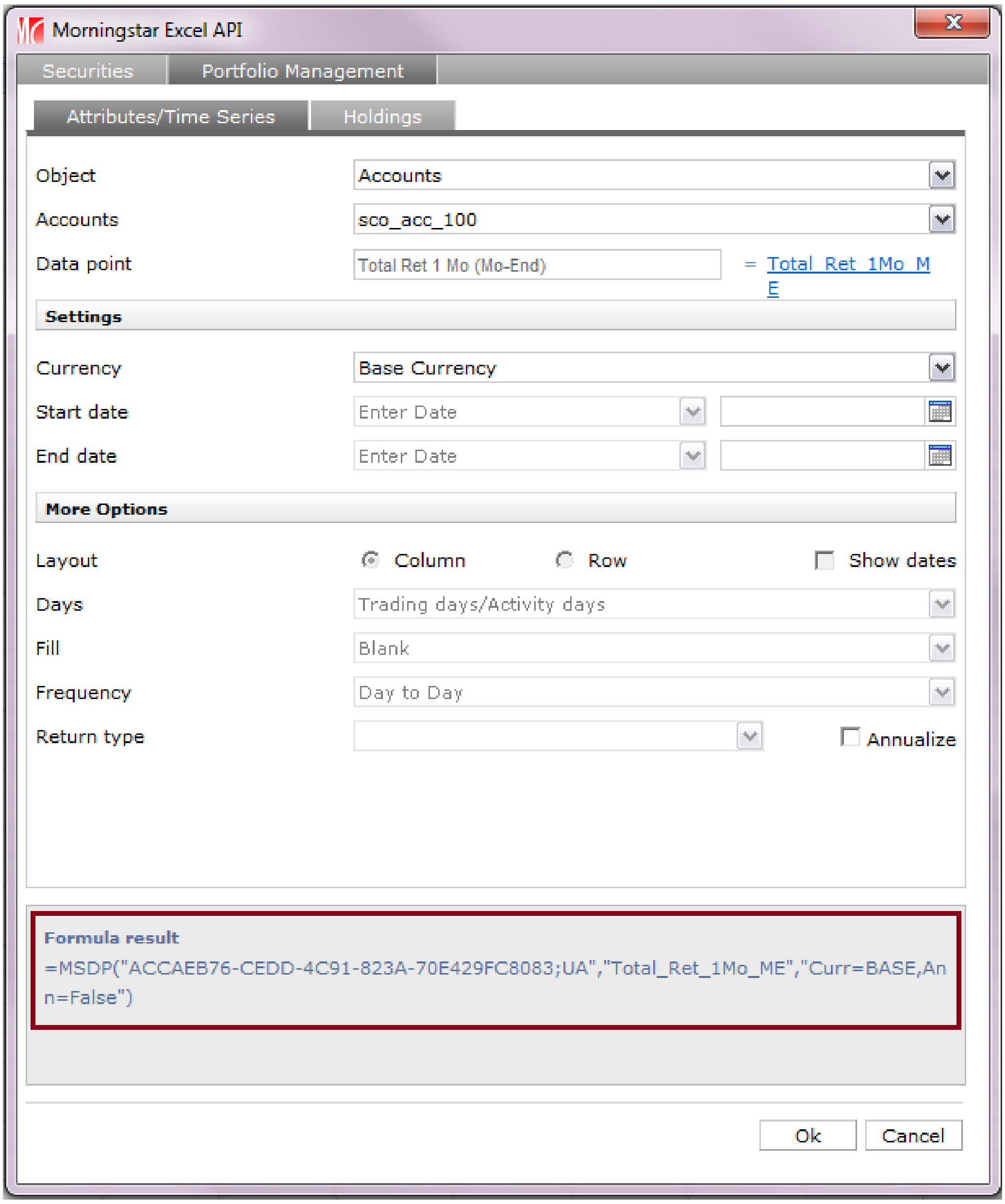
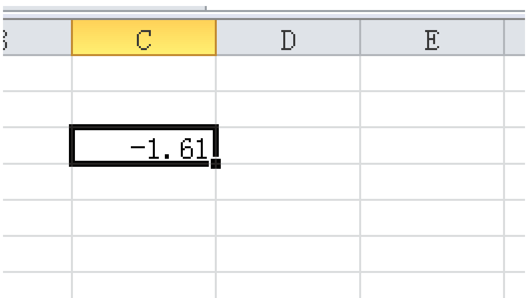
Example 2: get trailing return with MSDP for accounts



Results in Excel:



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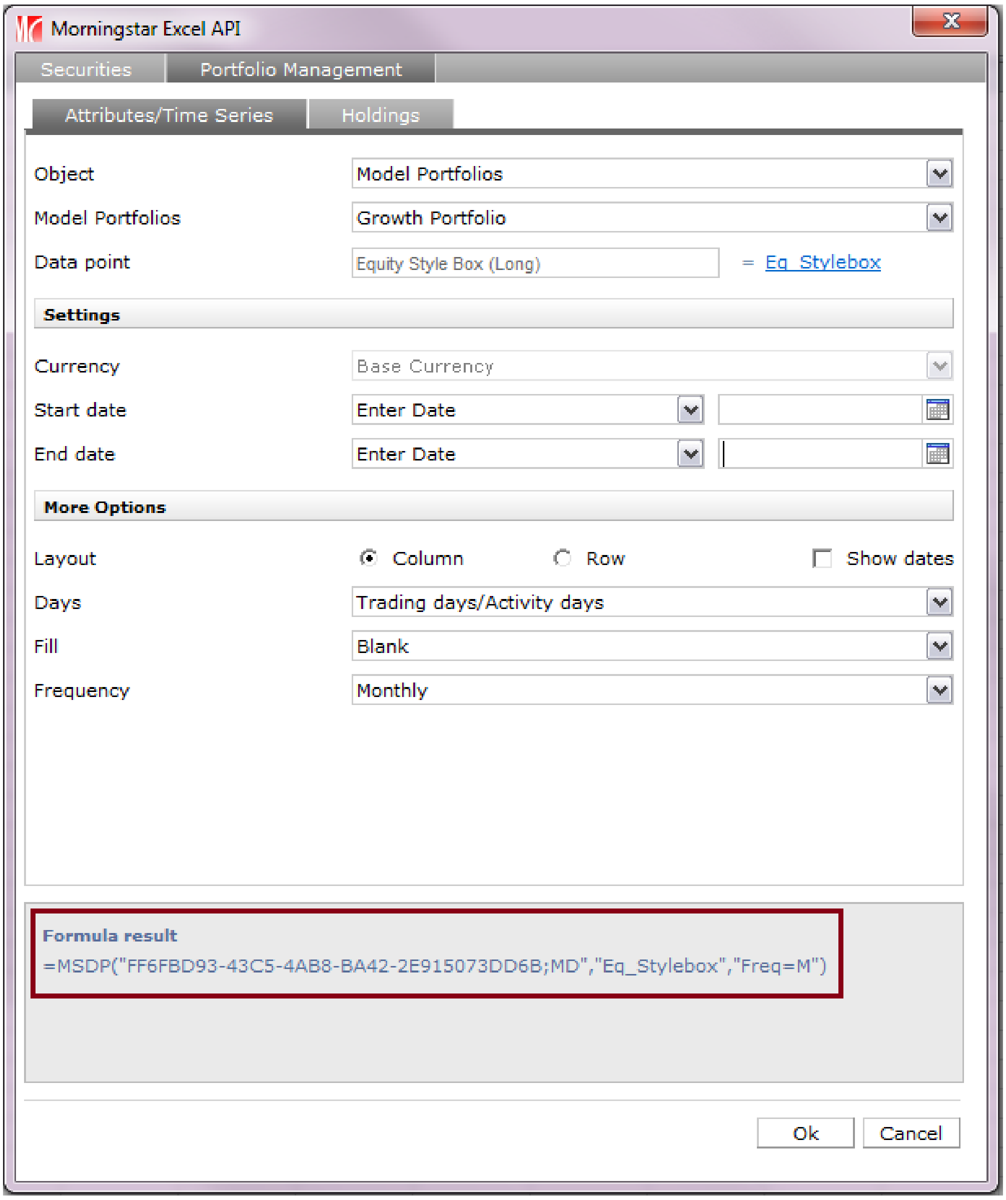
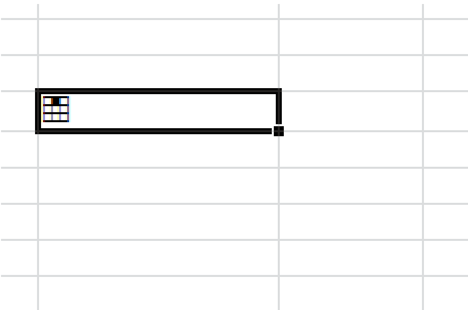
Example 3: get equity style box with MSDP for models

You can also get time series style box for models, if you set start date and end date in the dialog.



Results in Excel:



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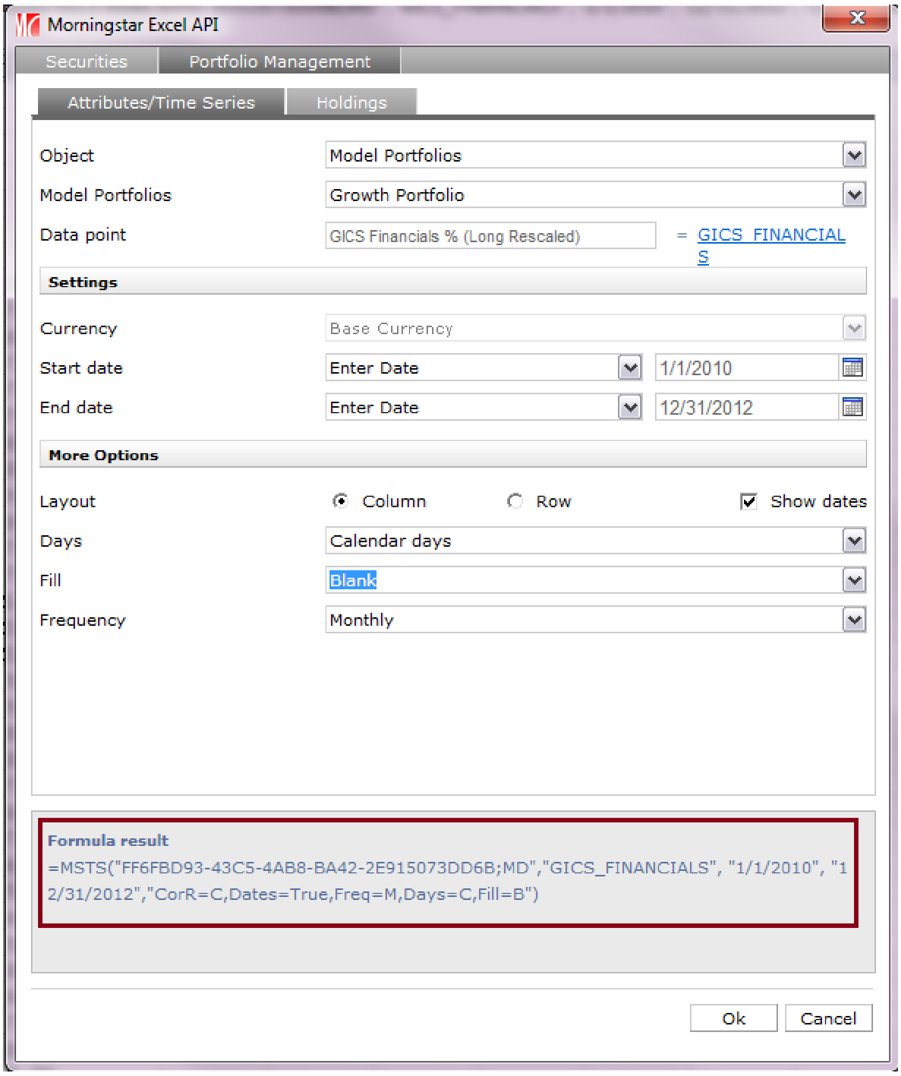
Example 3: get equity sector (GICS) data with MSTS for models



Results in Excel:

1/2010	16.90
2/2010	17.60
3/2010	18.00
4/2010	17.50
5/2010	17.10
6/2010	17.50
7/2010	18.44
8/2010	18.85
9/2010	19.31
10/2010	18.88
11/2010	17.86
12/2010	17.46
1/2011	21.68

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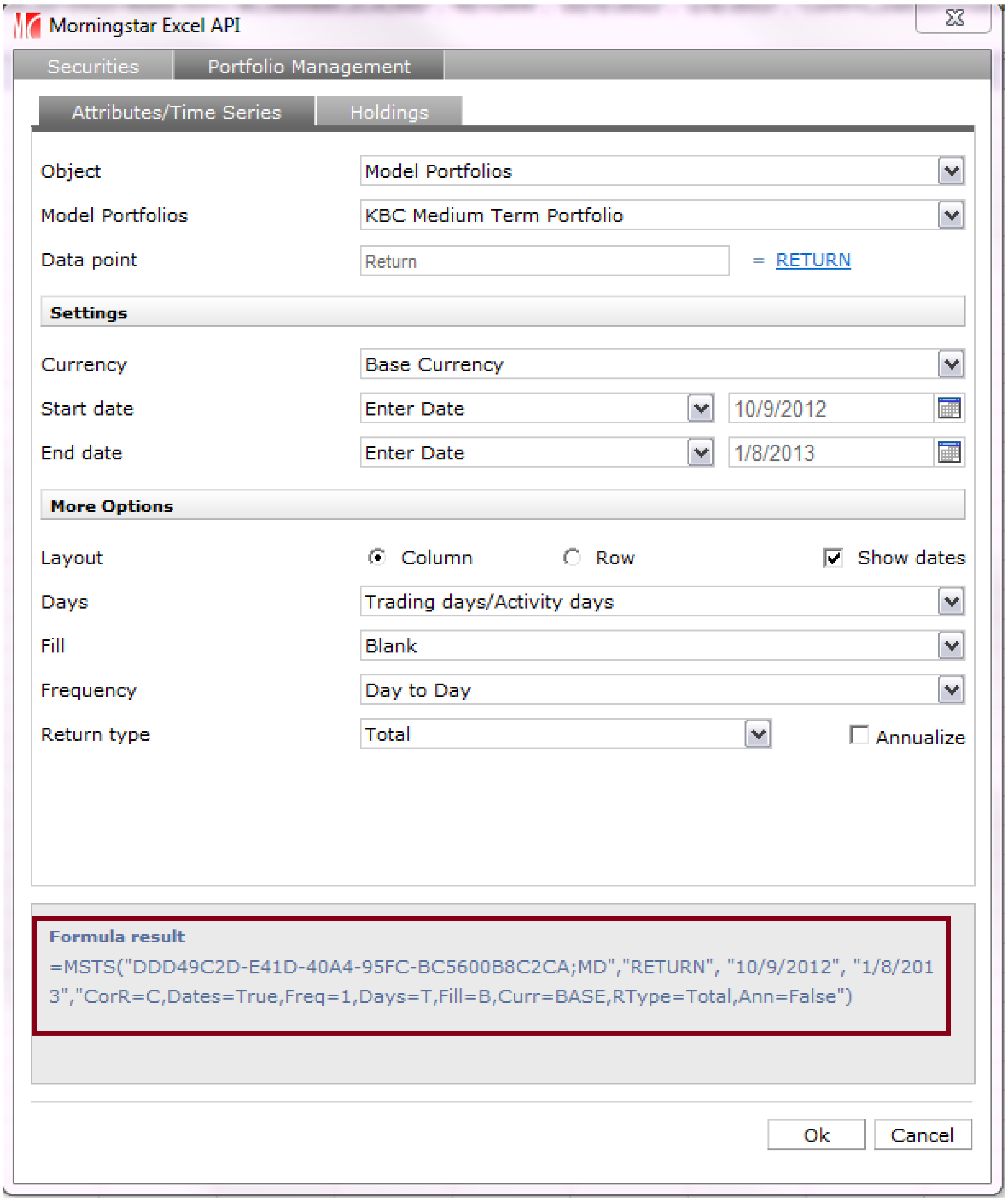
Example 4: get return (day to day) for models



Results in Excel:

2012-10-09 to 2013-01-08	2.16

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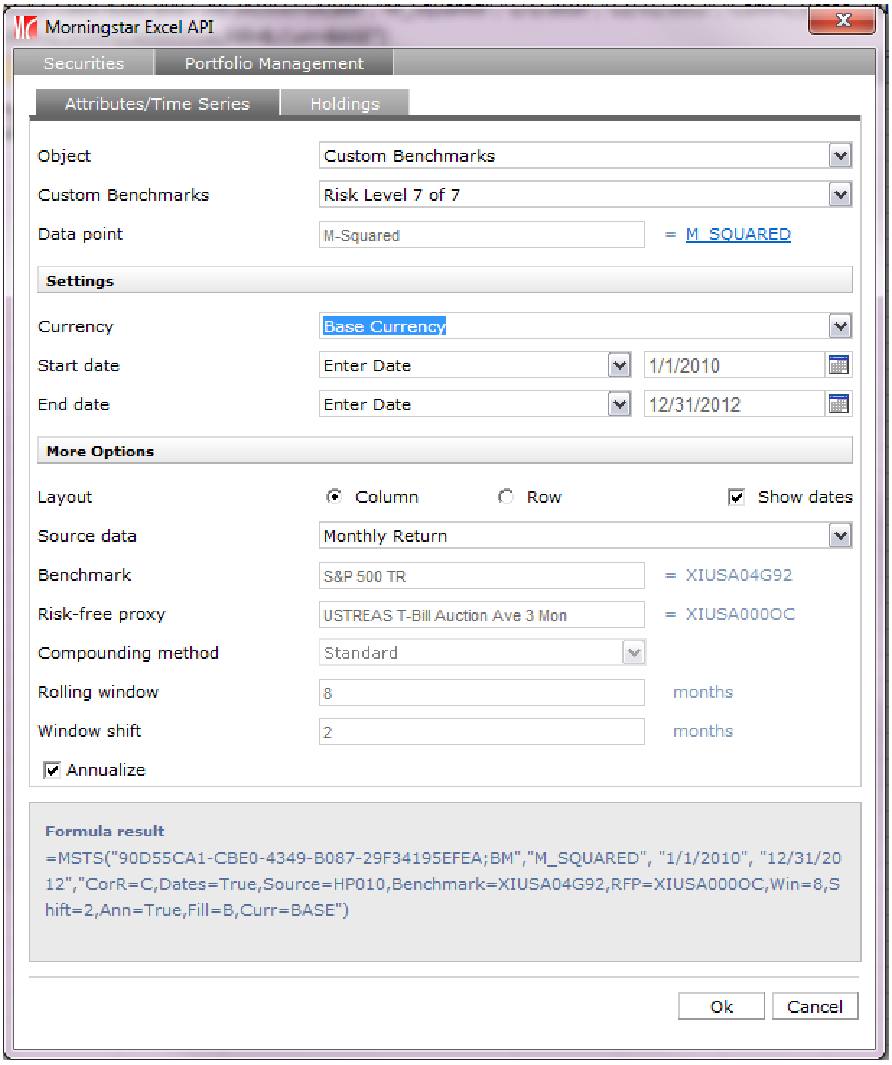
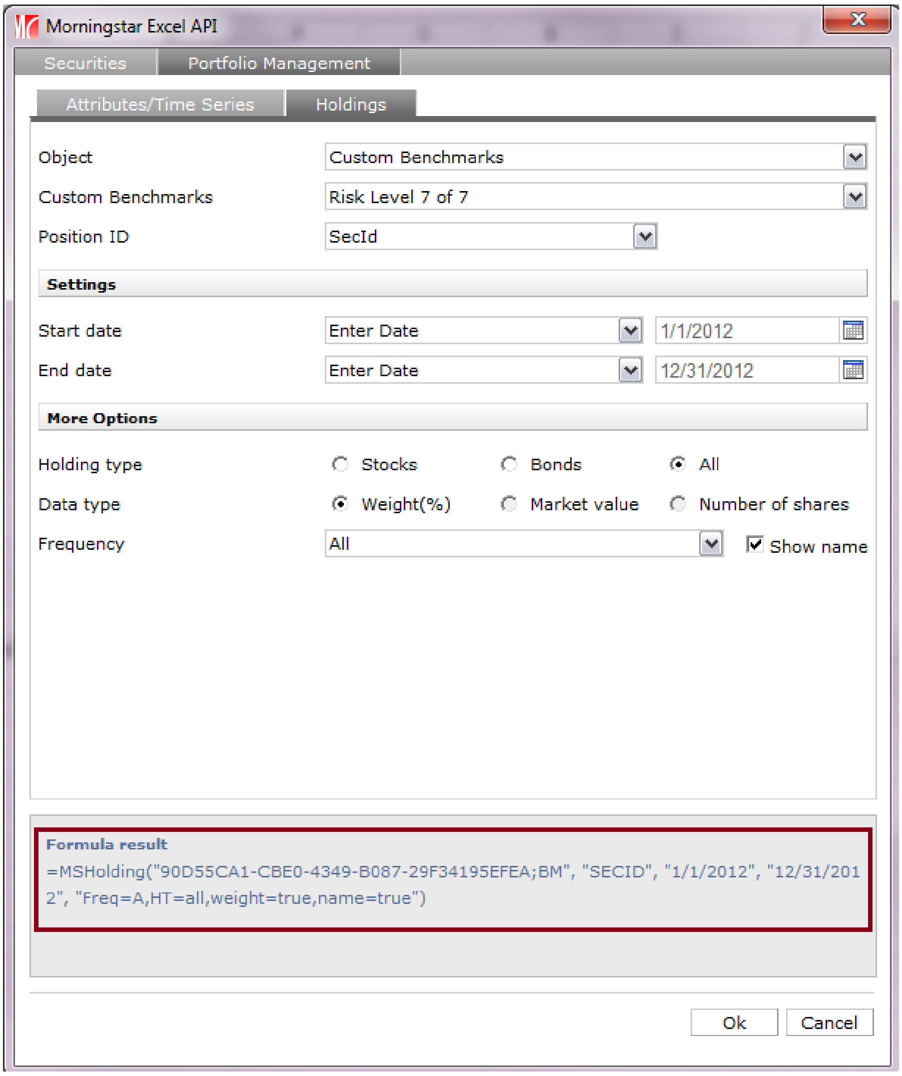
Example 5: calculate custom calculation data, M-Square for custom benchmarks



Results in Excel:

2010-01-01 to 2010-08-31	7.81
2010-03-01 to 2010-10-31	19.78
2010-05-01 to 2010-12-31	16.24
2010-07-01 to 2011-02-28	22.46
2010-09-01 to 2011-04-30	17.38
2010-11-01 to 2011-06-30	8.57
2011-01-01 to 2011-08-31	-9.57
2011-03-01 to 2011-10-31	-6.63
2011-05-01 to 2011-12-31	-11.58
2011-07-01 to 2012-02-29	-0.19
2011-09-01 to 2012-04-30	4.76
2011-11-01 to 2012-06-30	3.30
2012-01-01 to 2012-08-31	4.28
2012-03-01 to 2012-10-31	-1.48
2012-05-01 to 2012-12-31	

Example 6: get holding of custom benchmark;

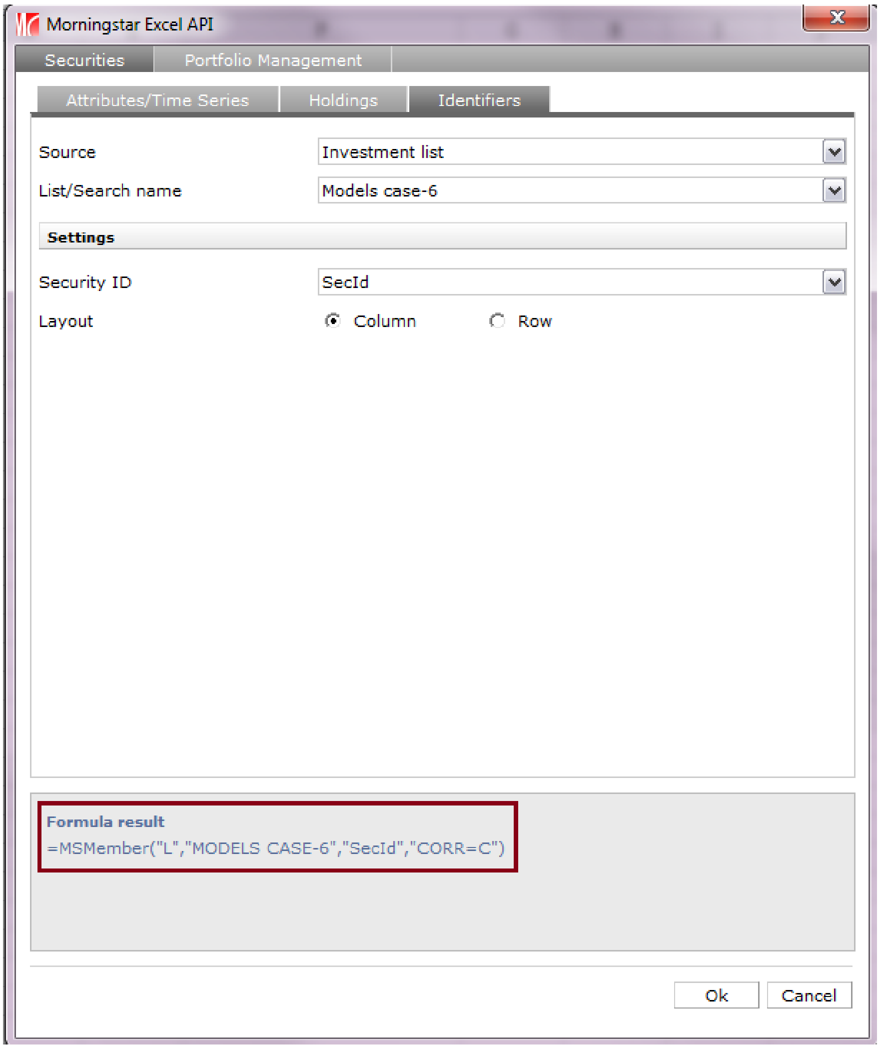


Results in Excel:

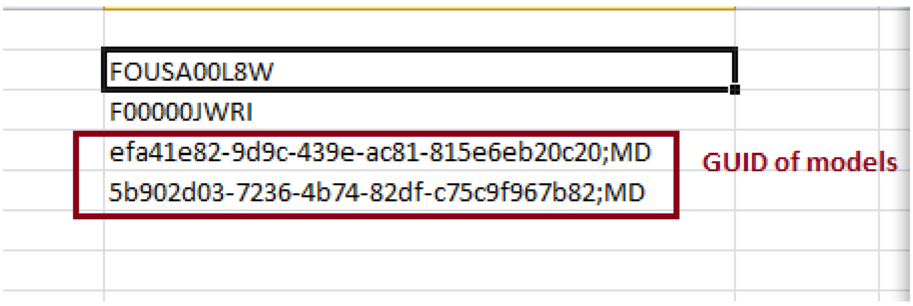
A	B	C	D	E	F
SecID	Name	1/31/2012	2/29/2012	3/31/2012	4/30/2012
FOUSA06VV3	FTSE Emerging TR GBP	36.00	36.00	36.00	36.00
XIUSA04CGI	FTSE AllSh TR GBP	23.00	23.00	23.00	23.00
XIUSA000RZ	MSCI Pacific Ex Japan GR USD	17.00	17.00	17.00	17.00
FOUSA08O6O	IPD UK All Property TR GBP	10.00	10.00	10.00	10.00
XIUSA04CHO	FTSE AW Dv Europe Ex UK TR USD	9.00	9.00	9.00	9.00
FOUSA06CMD	FTSE Japan TR GBP	5.00	5.00	5.00	5.00
XIUSA04C72	Citi UK GBI GBP	0.00	0.00	0.00	0.00
XIUSA000TO	Citi G7 USD				
FOUSA06JD2	BBA Libor 3 Month GBP				
XIUSA04CX5	Barclays Pan Euro HY Euro TR EUR				
FOUSA05PL3	IBOXX GBP NonGilts TR				

Example 7: get SecID for investment list which includes both funds and accounts

When an investment list contains funds/stocks and accounts and users get SecID of the investment list with MSMEMBER, Excel will retrieve SecID for funds/stocks and GUID for accounts.



Results in Excel:



Data points available for accounts/models

Please go to data dictionary part of the following link for data points available for accounts/models:

https://aduatl62.morningstar.com/ExcelAddInServer/