

Overview of the use cases provided

With the SAP IBP, add-in for Microsoft Excel (Excel add-in) version 2205.2.0 and newer, we provide additional APIs to make basic functions of the Excel add-in accessible through Visual Basic for Applications (VBA) code. You can use the APIs to enhance your planning view templates through VBA code to build your own business logic, and automate some of the manual steps planners need to do in their daily work.

As an example, during the planning your users might need further details about specific master data attribute values or they want to change specific master data attribute values directly within the planning view. With the new APIs you can build a logic to make that possible via VBA code. Creating customized templates for each business process or user group improves the user experience and makes it easier to fulfil the planning tasks which need to be done. We encourage you to build your own use cases and enhance the Excel add-in functions to suit the needs of your business users.

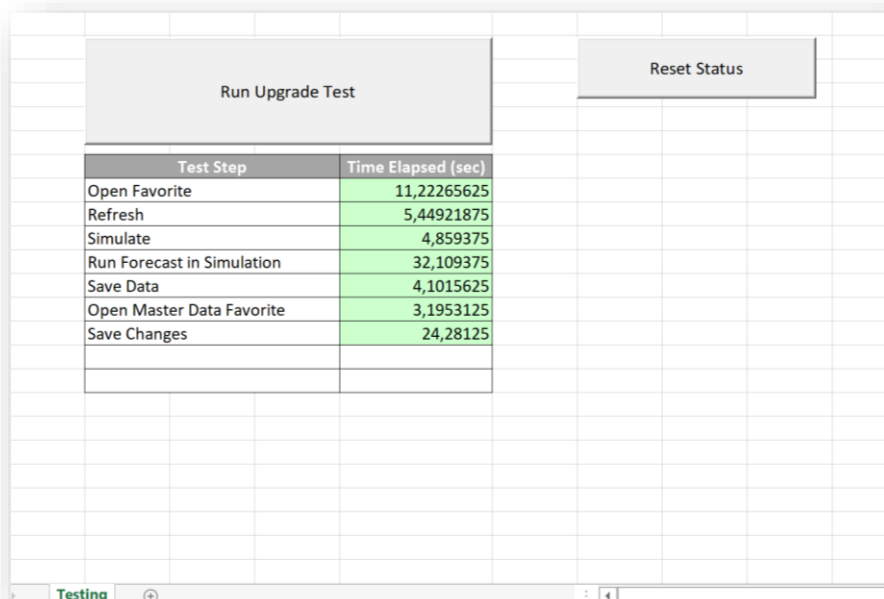
In this document, we explain the different business use cases we were thinking of when implementing the APIs for 2205. You can use these as a starting point to collect ideas and to explore possible use cases of the APIs.

1. USE CASES

In the following subchapters you will get a high-level overview of the different uses cases and how they can be used. For each use case, you will find a specific folder with a detailed description and guidance for setting them, including ideas for further enhancements, along with an .xlsm file with the respective code samples.

1.1. Measure the performance of SAP IBP actions (Part 2)

One advantage of using VBA code is that several steps can be combined. Within one button, different simulation runs can be triggered, and data changes can be made and saved. This can be useful in different ways. This example builds upon the sample documents that we provided with release 2202 including further measurements, such as opening planning view and master data favorites.



Run Upgrade Test	
Test Step	Time Elapsed (sec)
Open Favorite	11,22265625
Refresh	5,44921875
Simulate	4,859375
Run Forecast in Simulation	32,109375
Save Data	4,1015625
Open Master Data Favorite	3,1953125
Save Changes	24,28125

1.2. Show Master Data Details

With the API GetSingleMasterData it is possible to retrieve the attribute values of a specific master data record by using VBA code. When double-clicking an attribute value in the planning view, a logic can be implemented to show further details about the attribute values of the specific master data record. As of today, the business users would need to use the function Manage > Single... in the Master Data group in the SAP IBP ribbon or open a master data workbook to achieve the same.

In this example we show you how you can display master data details for specific product IDs in the planning view. The same code can also be used and adjusted for other attributes.

The screenshot shows the SAP IBP planning view with a table of key figures. A dialog box titled 'Show Master Data Details' is open, displaying details for Product ID: FG126. The dialog box includes fields for Product ID, Product Description, Product Family, Product Group, Brand, and ABC Code. The background table shows key figures for various locations and product IDs.

Location ID	Customer ID	Product ID	Key Figure
DC Hong Kong	0062100001	FIN126,MTS-DI,PD,SerialNo	Statistical Fcst Qty
			Sales Fcst Qty
			Actuals Qty Prior Yr
			Local Demand Plan
			Sensed Demand Qty
			Demand Planning Qty
			Statistical Fcst Qty
			Sales Fcst Qty
			Actuals Qty Prior Yr
			Local Demand Plan
			Sensed Demand Qty
			Demand Planning Qty
DC Rotterdam	0037100001	FIN126,MTS-DI,PD,SerialNo	Statistical Fcst Qty
			Sales Fcst Qty
			Actuals Qty Prior Yr
			Local Demand Plan
			Sensed Demand Qty Final
			Demand Planning Qty

1.3. Change Master Data Attribute Value

With the API UpdateSingleMasterData it is possible to change the value of a specific master data attribute by using VBA code. If your business users must change one specific master data attribute several times per day you might include a specific logic in your template to make it possible to change the attribute value without the need of choosing Manage > Single... in the Master Data group in the SAP IBP ribbon.

We explain in our example how to implement changing the ABC code for a specific product ID by double-clicking the cell of the ABC code in the planning view. The same code can be used for other attributes then ABC code as well, so as always feel free to adjust the code to your needs.

The screenshot shows the SAP IBP planning view with a table of key figures. A dialog box titled 'Change ABC Code' is open, displaying details for Product ID: HT_001. The dialog box includes fields for Product ID, Location ID, ABC Code, and a text input field for defining a new ABC Code. The background table shows key figures for various locations and product IDs.

Product ID	Location ID	ABC Code	Key Figure
HT_001	HD_DC_CA_E	A	Consensus Demand without Promotion
			Demand Planning Qty
			Consensus Demand
			Delivered Qty Adjusted
			Actuals Revenue
			Confirmed Qty
			Consensus Demand without Promotion
			Demand Planning Qty
			Consensus Demand
			Delivered Qty Adjusted
			Actuals Revenue
			Confirmed Qty
			Consensus Demand without Promotion
			Demand Planning Qty
			Consensus Demand
			Delivered Qty Adjusted
			Actuals Revenue
			Confirmed Qty

1.4. Combination-based planning with changing the status

Configure a master data attribute to document the status of the planning process for a combination. Change the value of the attribute “Status” of the master data type “Location Product” from “Open” to “For Review” directly in the planning view when going through the combinations one by one, as described in our sample document “Combination-Based Planning” that we provided with release 2202. This way other planners can directly see which combinations have already been adjusted/planned and which not.

Combination-Based Planning with Status

Last Refresh: 2022-Feb-18 11:54:04

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