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 process, your users might need further details about specific master data attribute values, or they want to change specific master data attribute values directly in 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.
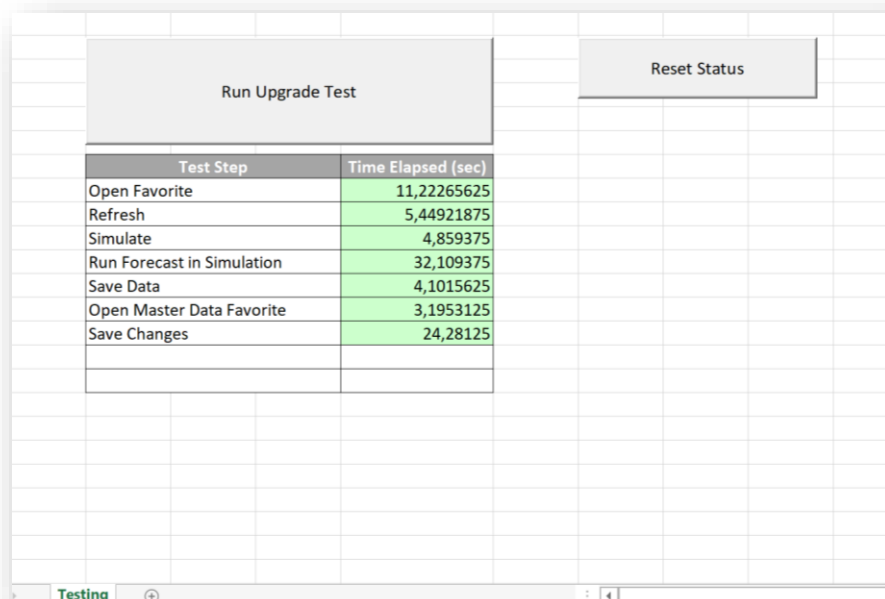
In this document, we explain the different business use cases we were thinking of when implementing the APIs for 2205. You can use these as a starting point to collect ideas and to explore possible use cases of the APIs.

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 on the sample documents that we provided with release 2202, including further measurements, such as opening planning view and master data favorites.

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

Run Upgrade Test   **Reset Status**

Testing

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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, 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 result.

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 be used and adjusted for other attributes.

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.

In our example, we explain 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 than ABC code as well, so as always, feel free to adjust the code to your needs.

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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. In this way, other planners can directly see which combinations have already been adjusted/planned and which have not.

Combination-Based Planning with Status
Last Refresh: 2022-Feb-18 11:54:04

| | | | Refresh Worklist | Previous Item | Next Item | Save and Next (incl. change of status) |

Product ID	Location ID	Key Figure	JAN 20	FEB 20	MAR 20	APR 20	MAY 20	JUN 20	JUL 20	AUG 20	SEP 20	OCT 20	NOV 20	DEC 20
HT_002	HD_DC_CA_E	Statistical Fcst Qty	548	588	542	636	447	553	497	595	589	687	436	514
		Sales Fcst Qty	528	464	639	713	451	475	542	529	570	784	429	554
		Actuals Qty Prior Yr	565	733	602	674	665	552	703	599	456	609	494	560
		Local Demand Plan	610	588	542	636	447	553	497	595	589	687	436	514
		Sensed Demand Qty Final												
		Demand Planning Qty	548	588	542	636	447	553	497	595	589	687	436	514

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