

# 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.

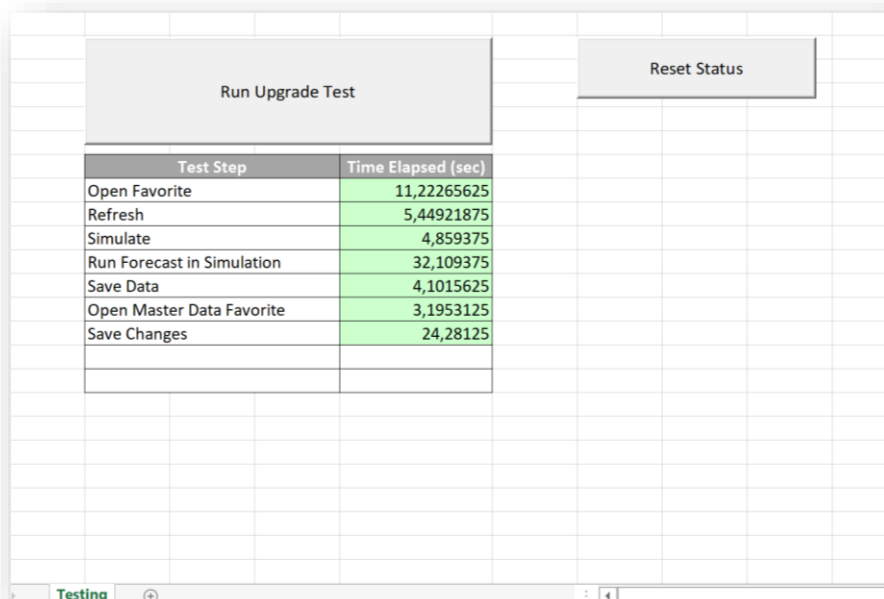
In this document, we explain the different business use cases we were thinking of when implementing the APIs for 2205. You can use these as a starting point to collect ideas and to explore possible use cases of the APIs.

## 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.



| Run Upgrade Test           |                    | Reset Status |
|----------------------------|--------------------|--------------|
| 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, 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.

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 information 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, with columns for weeks W17 20 to W23 20.

| 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.

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.

The screenshot shows the SAP IBP planning view with a table of key figures. A dialog box titled 'Change ABC Code' is open, displaying information 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, with columns for months from JAN 2021 to DEC 2021.

| 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. 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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