

# Run Simulations Using VBA Buttons

The API “Simulate” (see [Simulate](#) on SAP Help Portal) enables you to run planning operators in simulation mode using VBA code. In this use case we explain how to create buttons for running simulations for specific planning operators.

## HOW TO START

If a user group always uses the same statistical forecast model in simulation mode, you can include a VBA button into the templates for running this operator in simulation mode.

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_001	HD_DC_CA_E	Consensus Demand without Promotion	100	1.652	50	250	6.944	100	125	100	100	100	300	5.000
		Demand Planning Qty	0	0	343	0	0	0	0	0	0	0	0	14
		Consensus Demand	100	17.317	50	250	6.944	100	125	100	100	100	300	5.000
		Delivered Qty Adjusted	2.325	2.100	2.325	1.710	1.479	1.437	43.242	45	0	0	100.000	0
		Actuals Revenue												
		Confirmed Qty												

As an example, you can assign the following code to a VBA button and include it into your template:

```
Private IBPAutomationObject As Object
```

```
Private Sub SimulateForecast_Click()
```

```
On Error GoTo ErrorHandler:
```

```
    If IBPAutomationObject Is Nothing Then Set IBPAutomationObject =
```

```
        Application.COMAddIns("IBPXLClient.Connect").Object
```

```
    Call IBPAutomationObject.Simulate ("My forecast model", "IBPFORECAST")
```

```
    Exit Sub
```

```
ErrorHandler:
```

```
    'Implement error handling to help the user to understand what went wrong
```

```
    MsgBox Err.Description, vbOKOnly, "Microsoft Excel: Custom VBA code"
```

```
End Sub
```

Adjust the input parameters “My forecast model” and “IBPFORECAST” marked in yellow and add the ID, name, or description of your specific planning operator and the respective operator type name or ID as described in [Simulate](#) on the SAP Help Portal.

Instead of assigning the VBA code to a button, you can also assign it to shortcut keys as described in the use case 1.3 “Trigger SAP IBP actions using shortcut keys”.

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