Oracle
Crystal Ball
What's New

Version 11.1.3
May 2022

Contents

What's New in the 11.1.3 Release

See the *Oracle Enterprise Performance Management System Documentation* to access all available Crystal Ball documentation. These documents are the most up-to-date versions for Crystal Ball, with the exception of updates and corrections noted in this *What's New* document.

Updated Optimization Algorithm

Due to updates to the optimization algorithm, the following content in the *Crystal Ball Reference and Examples Guide* changes as follows:

Product Mix OptQuest Solution Topic (OptQuest Examples and Reference/OptQuest Examples/Product Mix/Product Mix OptQuest Solution)

The optimal value of $16,759.81 is changed to $26,296.14.

Existing text:

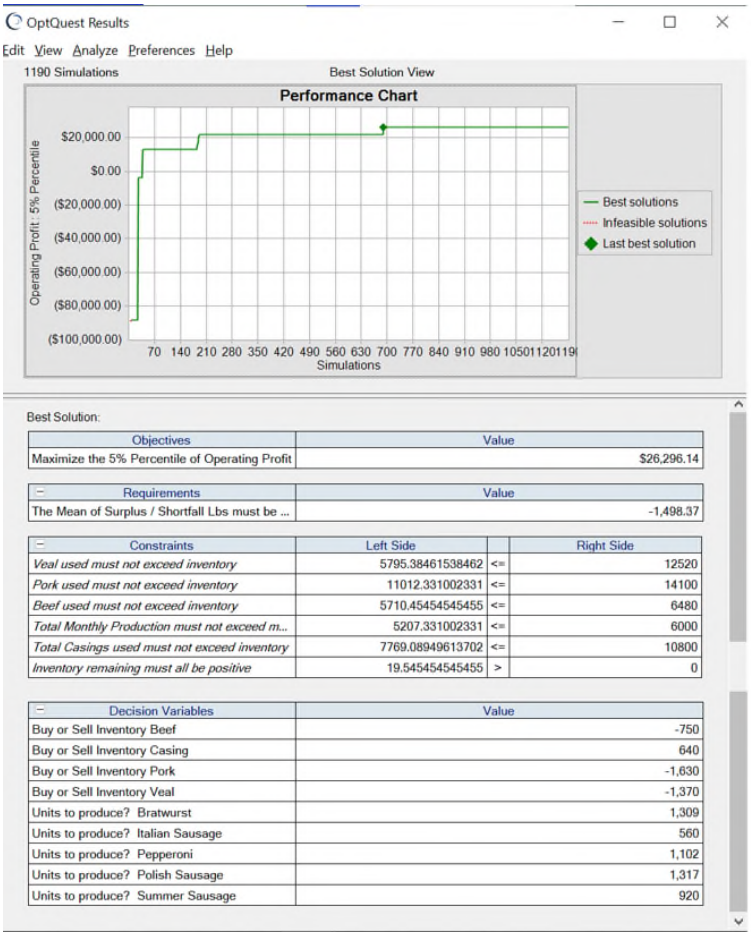
> Figure 79 shows the OptQuest solution. The optimal 5th percentile of operating profit is **$16,759.81**, obtained by producing 1,039 pounds of bratwurst, 715 pounds of Italian sausage,877 pounds of pepperoni, 1,377 pounds of Polish sausage, and 985 pounds of summer sausage.

Updated text:

> Figure 79 shows the OptQuest solution. The optimal 5th percentile of operating profit is **$26,296.14**, obtained by producing 1,039 pounds of bratwurst, 715 pounds of Italian sausage,877 pounds of pepperoni, 1,377 pounds of Polish sausage, and 985 pounds of summer sausage.

Updated Figure 79:

Figure 1: Product Mix Model Optimization Results



Multiobjective Optimization OptQuest Solution Topic (OptQuest Examples and Reference/Portfolio Revisited/Portfolio Revisited Method 2: Multiobjective Optimization/Multiobjective Optimization OptQuest Solution)

The value $31,100.44 is changed to $3,077.21.

Existing text:

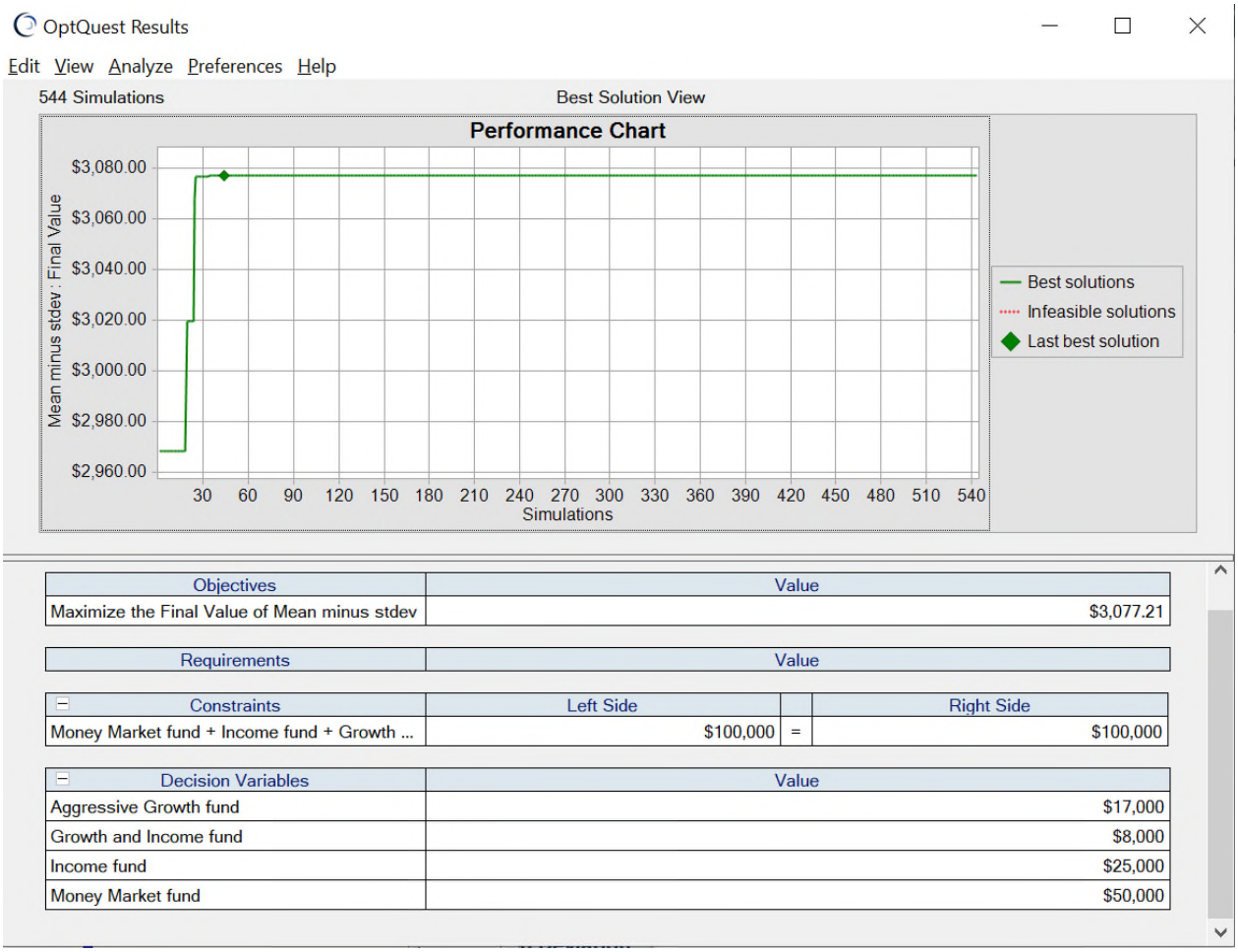
> The results are displayed in Figure 96. Mean minus std dev is maximized at **$3,100.44** and fund values are as follows:

Updated text:

> The results are displayed in Figure 96. Mean minus std dev is maximized at **$3,077.21** and fund values are as follows:

Updated Figure 96:

Figure 2: Figure 96 Portfolio Revisited Multiobjective Optimization Results



Support for Microsoft Office 2021

Crystal Ball has been tested and is verified to be compatible with the latest release of Microsoft Office 2021.

Use the *Compatibility Matrix* to get details on the configurations that we've tested and verified to work.

Documentation Corrections

The following corrections to the *Crystal Ball Reference and Examples Guide* are as follows:

Project Selection OptQuest Solution Topic (OptQuest Examples and Reference/OptQuest Examples/Budget-constrained Project Selection/Project Selection OptQuest Solution)

Change the text as follows to reflect the objective:

Existing text:

On the Objectives panel, set the objective to Maximize the **Final Value** of Total profit. Notice that there are no requirements.

Updated text:

On the Objectives panel, set the objective to Maximize the **Mean** of Total profit. Notice that there are no requirements.

Existing text:

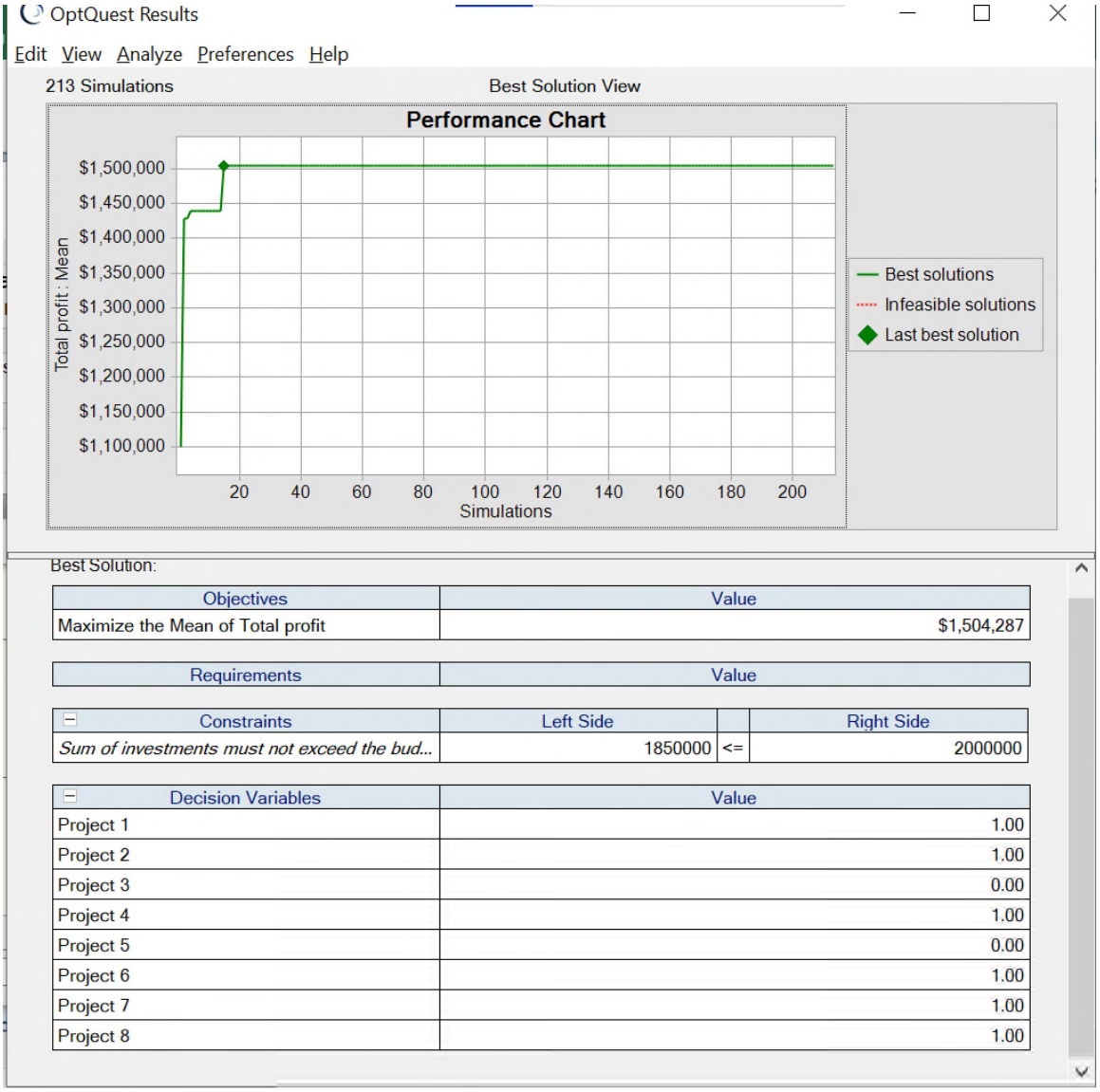
Figure 84 shows the results of an OptQuest optimization. The best solution selects projects **2, 4, and 5**.

Updated text:

Figure 84 shows the results of an OptQuest optimization. The best solution selects projects **1, 2, 4, 6, 7 and 8**.

Updated Figure 84:

Figure 3: Figure 84 Project Selection Model Optimization Results



Best Solution:

Objectives	Value
Maximize the Mean of Total profit	$1,504,287

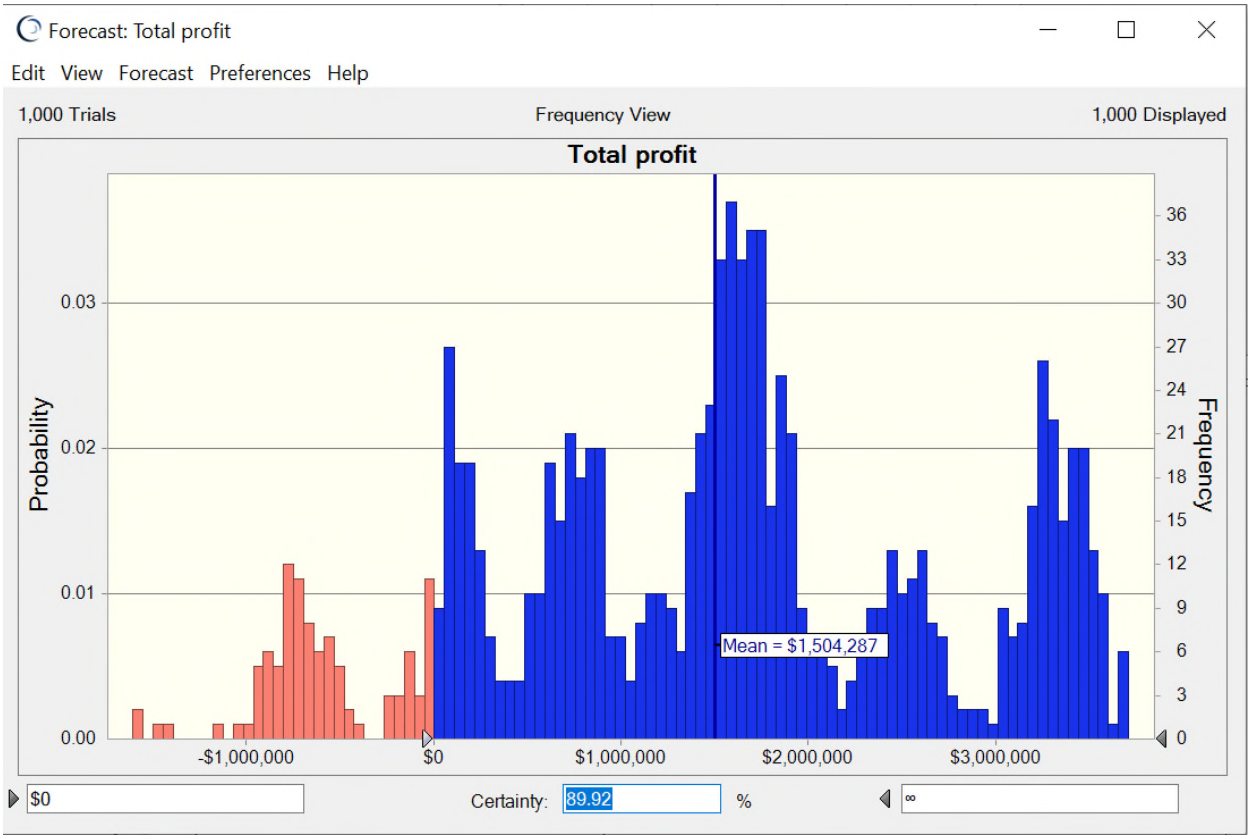
Requirements	Value

Constraints	Left Side		Right Side
Sum of investments must not exceed the bud...	1850000	<=	2000000

Decision Variables	Value
Project 1	1.00
Project 2	1.00
Project 3	0.00
Project 4	1.00
Project 5	0.00
Project 6	1.00
Project 7	1.00
Project 8	1.00

Updated Figure 85:

Figure 4: Figure 85 Project Selection Solution Forecast Chart



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Oracle Crystal Ball What's New

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