



ORACLE® CRYSTAL BALL

*Release 11.1.2.3.500*

New Features



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# New Features, Release 11.1.2.3.500

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This section describes the new features introduced in release 11.1.2.3.500 of:

- Oracle Crystal Ball (and related classroom products)
- Oracle Crystal Ball Decision Optimizer
- Oracle Crystal Ball Enterprise Performance Management

For a description of new features introduced in previous related releases, see [“Features Introduced in Earlier Releases”](#) on page 3.

## Correlation Definition Enhancements

Correlating assumptions is enhanced with the following features:

- The Define Correlations command is now available through the Crystal Ball ribbon (Microsoft Excel 2007 or later) or menu (Microsoft Excel 2003).
- Smart Selection algorithms make it easier to define a correlation matrix by selecting one or a few more cells.
- Matrix view supports consistency checks with adjustment capability plus the ability to switch between adjusted and unadjusted matrix views.
- Matrix view includes an optional interactive correlation chart.
- Scatter charts can be easily generated for correlation pairs within a matrix.
- The Crystal Ball Developer Kit has new calls and constants to support these features.

## Bulk Constraint Handling for OptQuest

The OptQuest feature of Crystal Ball Decision Optimizer can now handle single constraint formulas that define multiple constraints. Users can enter formulas with arrays of values instead of separate formulas, for example “A1:A5 <= B1:B”.

## Distribution Parameter Enhancements

The following distributions have increased parameter limits as noted:

- Beta distribution, limit of Shape parameters and their sum = 1e5
- Binomial distribution, Trials parameter limit = 1e6
- Gamma distribution, Shape parameter limit = 1e6

- Hypergeometric distribution, Population parameter limit = 1e5
- Negative binomial distribution, Shape parameter limit = 1e6
- Pareto distribution, Shape parameter limit = 1e6
- Weibull distribution, Shape parameter limit= 1e6

## Features Introduced in Earlier Releases

### Subtopics

- [Release 11.1.2.3.000](#)
- [Release 11.1.2.0, 11.1.2.1, or 11.1.2.2](#)

## Release 11.1.2.3.000

### Subtopics

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### Redesigned Tornado Analysis Tool

The Crystal Ball Tornado Analysis tool has been redesigned with a new wizard interface. Numerous enhancements include individual variable test range customization, updated tornado and spider charts with the ability to save style changes, and the calculation of variable elasticity and explained variation statistics in the output. Enhancements also include a new programming interface to enable automation through Microsoft Excel Visual Basic for Applications or similar Excel development environments.

## Integrated Correlation Matrix Tool

Correlations can now be edited in either pair-wise or matrix views. In addition, Crystal Ball now supports direct editing of correlation matrixes within the product, and offers the possibility to link directly to matrixes within Microsoft Excel spreadsheets.

## Crystal Ball Developer Kit

The addition of several new developer kit functions offer enhanced access to Crystal Ball statistics. Added functions include:

- CB.GetAssumStat
- CB.GetAssumStatFN
- CB.Spearman

## Expanded OptQuest Efficient Frontier Results View

An option has been added to the OptQuest Efficient Frontier results view that enables users to view the test points of all of the best solutions.

## Support for Microsoft Excel 2013

Crystal Ball release 11.1.2.3.000 now supports Microsoft Excel 2013.

## Support for Microsoft Windows 8

Crystal Ball release 11.1.2.3.000 now supports Microsoft Windows 8.

## Localization into Additional Languages

Oracle Crystal Ball user documentation as well as the user interface are now translated into French, German, Japanese, Portuguese, and Spanish.

## Documentation Now Certified on Apple Mobile Devices

Documentation files for Release 11.1.2.3 are now available in two mobile formats: .mobi files, available previously, and .epub files. ePub documentation files are supported on all Apple Mobile devices (iPad, iPhone, and iPod Touch). ePub files are supported on many mobile devices; however, they are certified only on Apple Mobile devices. Additional devices will be certified over time.

## Release 11.1.2.0, 11.1.2.1, or 11.1.2.2

If you are coming from Release 11.1.2.0, 11.1.2.1, or 11.1.2.2, use the Cumulative Feature Overview tool to review the list of new features added between those releases. This tool enables

you to identify current products, the current release version, and the target implementation release version. With a single click, the tool quickly produces a customized set of high-level descriptions of the product features developed between your current and target releases. This tool is available here:

<https://support.oracle.com/oip/faces/secure/km/DocumentDisplay.jspx?id=1092114.1>

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Crystal Ball New Features, 11.1.2.3.500

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