



ORACLE® CRYSTAL BALL, FUSION EDITION
RELEASE 11.1.1.3

NEW FEATURES

ORACLE®
ENTERPRISE PERFORMANCE
MANAGEMENT SYSTEM

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Overview

This document describes the new features introduced in Release 11.1.1.3.00 of:

- Oracle Crystal Ball, Fusion Edition
- Oracle Crystal Ball Decision Optimizer, Fusion Edition
- Oracle Crystal Ball Enterprise Performance Management, Fusion Edition

For a description of new features introduced in related releases, see [“New Features, Previous 11.1.1.x Releases” on page 3](#).

New Features, Release 11.1.1.3.00

The following sections describe features introduced in release 11.1.1.3.00 of Crystal Ball products:

- [“New Predictor Interface and Developer Kit” on page 2](#)
- [“Other Enhancement” on page 2](#)

New Predictor Interface and Developer Kit

Predictor, the time-series forecasting feature of Crystal Ball, was completely rewritten for Release 11.1.1.3.00. New features:

- A new Wizard interface for setting up forecasts, previewing forecasts, and viewing results
- Ability to create reports and extract data
- Ability to fill-in missing values before charting historical data
- Ability to adjust outliers before pasting values into worksheets or extracting results
- Updated formulas and algorithms, including autocorrelations
- Developer Kit (API) for programming time-series forecasts. Because Predictor has a different code base, this Developer Kit is no longer compatible with previous releases of CB Predictor; code written with the earlier CB Predictor Developer Kit is not compatible with Predictor release 11.1.1.3.00 or later.

Other Enhancement

Crystal Ball EPM—Enterprise Performance Management Simulator enables direct Crystal Ball simulation of queries and forms within Oracle Hyperion Smart View for Office, Fusion Edition Release 11.1.1.3.

New Features, Previous 11.1.1.x Releases

Starting with Crystal Ball Release 11.1.1.0.00, a new version numbering scheme was implemented with additional digit groups to align with Oracle versioning standards. Crystal Ball versions 11.1.1.0.00 and 11.1.1.2.00 include the following:

- “Updated OptQuest Optimization Feature” on page 3
- “Location Parameter for Lognormal Distribution” on page 3
- “Parameter Locking for Certain Distributions” on page 4
- “New Discrete Distribution Fitting” on page 4
- “P-Value Calculations” on page 4
- “A New Wizard Format for Crystal Ball Tools” on page 4
- “New Data Analysis Tool” on page 5
- “Crystal Ball Licensing Enhancements” on page 5
- “Universal Availability of Predictor and the Crystal Ball Developer Kit” on page 5
- “Smart View and Strategic Finance Integration” on page 5

Updated OptQuest Optimization Feature

The OptQuest optimization feature has been completely rewritten and is now available in Crystal Ball Decision Optimizer, beginning with version 11.1.1.0.00. The new version of OptQuest includes:

- A new Wizard for setting up optimizations, including direct formula entry for constraints and also a simple constraints solution (introduced in version 11.1.1.1.00)
- Full integration with Microsoft Excel and Crystal Ball Decision Optimizer, including the ability to control optimizations through the Oracle Crystal Ball Decision Optimizer, Fusion Edition Control Panel
- An updated version of OptQuest’s world-class global optimization engine, including:
 - Support for both linear and non-linear constraints
 - More aggressive optimization algorithm
 - New variable types: binary, category, and custom
- Ability to create reports and extract data
- Developer Kit (API) for programming optimizations

Location Parameter for Lognormal Distribution

The lognormal distribution now includes a location parameter to help model shifted lognormal distributions. This three-parameter distribution is available for setting up assumptions and for fitting to datasets.

Parameter Locking for Certain Distributions

You can now lock the values of certain parameters of selected distributions while fitting data to those distributions. The following parameters can be locked in this release:

- Location of lognormal
- Location and shape of gamma
- Location and shape of Weibull
- Degrees of freedom for Student's t
- Trials for binomial
- Trials for hypergeometric

New Discrete Distribution Fitting

Distribution fitting now includes discrete as well as continuous distributions and certain parameters can be locked for increased accuracy. You can fit all discrete distributions supported by Crystal Ball, except the Yes-No distribution, to integer data sets. For discrete fitting, you can view the Chi-square statistic and Chi-square p-values. Anderson-Darling and Kolmogorov-Smirnov statistics are not currently available for discrete fitting.

P-Value Calculations

When fitting to continuous distributions, p-value calculations for Anderson-Darling and Kolmogorov-Smirnov have been added for the following distributions:

- Normal
- Exponential
- Minimum Extreme
- Maximum Extreme
- Logistic
- Uniform
- Gamma
- Weibull
- Lognormal

A New Wizard Format for Crystal Ball Tools

The following Crystal Ball Tools have been rewritten with a wizard format for increased ease of use:

- Batch Fit
- Bootstrap

- Decision Table
- 2D Simulation

New Data Analysis Tool

A new tool, Data Analysis, imports data directly into Crystal Ball forecasts, one for each data series. Then, you can analyze the data using any of Crystal Ball's charting, reporting, and data extraction features.

Crystal Ball Licensing Enhancements

You can now use Oracle Crystal Ball, Fusion Edition in evaluation mode for a limited time, usually 15 days, without needing to activate a license. License activation no longer requires an Internet connection with an online licensing server. These enhancements were designed to streamline the installation and licensing procedure.

Universal Availability of Predictor and the Crystal Ball Developer Kit

Predictor and the Crystal Ball Developer Kit are now available to all Crystal Ball users. They are no longer optional products available only in a certain package.

Smart View and Strategic Finance Integration

If you have Crystal Ball EPM version 11.1.1.0.00 or 11.1.1.1.00 with appropriate licensing, you can use Smart View to work with Crystal Ball files in a number of ways. You can use the Smart View Connection Manager to store Crystal Ball EPM models within a central repository. Then, you can load them into Smart View, access data from certain other applications also within the repository, and — using cell references — populate the Crystal Ball EPM models with current EPM data for further analysis. Two of the applications that can also be accessed from within the Oracle Hyperion Smart View for Office, Fusion Edition spreadsheet interface are Oracle Essbase and Oracle Hyperion Planning, Fusion Edition. If you have Crystal Ball EPM version 11.1.1.1.00 with appropriate licensing, you can also create Oracle Crystal Ball Enterprise Performance Management, Fusion Edition worksheets from data in Oracle Hyperion Strategic Finance, Fusion Edition.

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Crystal Ball New Features, 11.1.1.3

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