

Oracle© Crystal Ball, Fusion Edition

Release 11.1.1.3.01

Release Notes

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Introduction

Oracle® Crystal Ball 11.1.1.3.01 is the current version of Crystal Ball. It has been developed to run on the Microsoft .NET Framework 2.0, 3.0, or 3.5.

Oracle Crystal Ball 11.1.1.3.01 includes these updates:

- The Predictor module for time-series forecasting is completely rewritten with a new wizard interface and many other features. For details, see *Oracle Crystal Ball New Features*.
- Localization and translation of the user interface into Spanish.
- Bug fixes as described later in this document.

Oracle Crystal Ball Enterprise Performance Management, Fusion Edition 11.1.1.3.01 includes the Enterprise Performance Management Simulator for direct Crystal Ball simulation of queries and forms within Oracle Hyperion Smart View for Office, Fusion Edition Release 11.1.1.3.01.

Oracle Crystal Ball 11.1.1.0.00 included these updates:

- The following tools were rewritten with a new wizard interface: Batch Fit, Bootstrap, Decision Table, and 2D Simulation.
- A new tool, Decision Analysis, was added to support the importation and analysis of raw data.
- OptQuest was been completely rewritten with a new wizard interface and new analysis, reporting, and data extraction capabilities.
- Three new decision variable types were added: binary, category, and custom.
- The following distribution fitting enhancements were added: fitting to discrete as well as continuous distributions, p-value display for fitted data, auto-selection of distributions to fit and ranking methods, parameter

locking for distributions with shape, location, or degrees of freedom parameters.

- New licensing that does not require an Internet connection.
- Bug fixes.

In addition to these features, Oracle Crystal Ball Enterprise Performance Management (Crystal Ball EPM) 11.1.1.0.00 also included integration with Oracle Hyperion Smart View for Office (Smart View), and through Smart View, the ability to use data from other products that are compatible with Smart View. These features are only available in Crystal Ball EPM with appropriate licensing. They are not available with other editions of Crystal Ball.

Oracle Crystal Ball 11.1.1.1.00 included constraint editor enhancements for OptQuest.

In addition to these enhancements, Crystal Ball EPM 11.1.1.1.00 also included integration with Oracle Hyperion Strategic Finance (only available in Crystal Ball EPM with appropriate licensing).

The following are a few known issues you should be aware of as you begin using the current version of Crystal Ball.

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Only Microsoft .NET Framework 2.0, 3.0, or 3.5 can be used

If you have Microsoft .NET Framework 1.x installed as well as .NET Framework 2.0, 3.0, or 3.5, warning messages might appear when you try to start this version of Crystal Ball. You might also find that Crystal Ball does not load at all when you start it. If this happens, choose Start, then [All] Programs, then Oracle Crystal Ball, and then Application Manager. Be sure this setting is checked in the Crystal Ball Application Manager: "Use Microsoft .NET Framework v2.0, 3.0, or 3.5 (Recommended)." Then, click OK and restart Crystal Ball.

Notice that errors can result if you try to check the .NET Framework setting in the Application Manager and do not have the required permissions to make that change.

If you have not yet installed Microsoft .NET Framework 2.0, 3.0, or 3.5, follow the instructions in the current *Oracle Crystal Ball Installation and Licensing Guide*, located in the folder where you unzipped the Crystal Ball installation file or in the Docs folder under the folder where Crystal Ball is installed (by default, C:\Program Files\Oracle\Crystal Ball). The main installation document is named CB Install&Licensing.pdf. You can start installing Crystal Ball. If the appropriate version of Microsoft .NET Framework is not found, it will be installed through an automatic download process.

Microsoft .NET Framework 3.0 or 3.5 is installed as part of Microsoft Windows Vista.

This version of Crystal Ball is only translated into Spanish

If you install this version of Crystal Ball over a non-English version of Crystal Ball 7.2.x in a language other than Spanish, Crystal Ball will appear in English. You must uninstall this version of Crystal Ball and re-install the earlier translated version to restore the non-English version of Crystal Ball.

Extreme Speed issues

If it is available to you, Extreme Speed is switched on by default. While Crystal Ball simulations run 10 to 100 times faster at Extreme Speed, there are a few compatibility issues to consider.

For more information on Extreme Speed, see *the appropriate appendix of the current Oracle Crystal Ball User's Guide* or search for Extreme Speed in online help. The following Extreme Speed issues are not discussed in the User Manual:

- In Extreme Speed, circular references with small Iteration settings might not match Excel's because of differences in calculation algorithms. For most consistent results, set Iteration to at least 1,000.

- As reported in the current *Oracle Crystal Ball User's Guide*, Crystal Ball supports LOOKUP and OFFSET functions in both Normal and Extreme speed. However, if you use more than a thousand in a model, this can slow down the initial parsing time and cause the simulation to run slowly.
- Note that an Extreme Speed simulation can also run more slowly if you use many SUMIF functions. Also, if the cell ranges passed into the functions are too large (greater than 100 cells) Extreme Speed may be unable to evaluate the functions in vectorization mode, which also increases simulation time (7432186).
- Currently, non-English names of the Analysis Toolpak functions are not supported in Extreme Speed simulations in versions of Excel older than Excel 2007. In Excel 2007, the Analysis Toolpak is included as part of Excel.
- A "PsiSimulation.Initialize" unexpected error can occur when running Extreme Speed simulations. The displayed error message refers to attempts to read protected memory. The root cause and any workarounds are still under investigation (7406022).

Normal Speed and multi-threading in Excel 2007

Note: The following compatibility issue is not included in the current *Oracle Crystal Ball User's Guide*.

By default, Crystal Ball uses Microsoft Excel's multi-threading setting when performing simulation calculations in Excel 2007 on multi-core or multi-processor computers. Depending on model size, it is possible that performance can be improved on multi-core or multi-processor computers by manually disabling the use of multi-threading. In general, smaller models run more slowly with multi-threading and larger models run faster. Changing this setting on single-core or single-processor computers has no impact (7405942).

To disable multi-threading in Excel 2007 before running Crystal Ball models, consult the Excel documentation.

Restored results are not resaved with simulation results

If restored results are used with results from the current simulation – in an overlay chart, for example – the restored results are not resaved with Analyze > Save Results. When the saved results are later restored, only the results from the current simulation are restored.

Likewise, if preferences – for example, chart preferences – are set for the restored results, those preference settings are not saved either.

If an assumption's input parameter refers back to the assumption cell, the reference is static

If a cell reference refers to an assumption cell, the cell reference is replaced by the base value (value at the start of the simulation) for the duration of the simulation. This makes the cell reference static.

"System clock set back" errors

If a computer's system clock is set back at some point to a date earlier than the current date, Crystal Ball's licensing system recognizes this. When you try to start Crystal Ball with a time-limited license under these conditions, startup fails and a "system clock set back" message appears. Set the clock to the current time and try again. If your Crystal Ball license has not expired and the problem still occurs, contact technical support.

Issues with preferences and the memory warning dialog

If you run an Extreme Speed simulation multiple times on a large or complex model, you might find that you receive the "Sufficient memory may not be available..." warning dialog. This dialog lets you disable the Store Assumption Values run preference and change the number of trials to run. Notice that these changes in the warning dialog reset those preferences in the Run Preferences dialog on the Trials and Options tabs. They are then applied to other models unless you reset them after the large model has run.

Restored results with capability metrics

The following rules apply when you calculate capability metrics, store the results in a .cbr file, and then restore the results:

1. The restored results use the preference settings on the machine where the results are restored, which might be different from the settings when the original simulation was run and stored.
2. Crystal Ball refits the data when the results are restored, so results might differ somewhat from the original results.

Crystal Ball with custom menus and toolbar

If you create custom menus and toolbars for Excel in folders Excel loads at startup, the Crystal Ball menus and toolbars are removed. You can still use the Crystal Ball Developer Kit to run Crystal Ball but the standard user interface cannot be restored and used unless the custom files are specially set up to allow this.

Incompatibilities when running models in early versions of Crystal Ball 7.x

Certain Crystal Ball distribution types are not compatible with pre-7.1 versions of Crystal Ball 7.x or 11.x. For example, if you create a model in Crystal Ball 7.2 or

later that includes linked custom distributions, #NUM! appears in the assumption cells when you run a simulation in Crystal Ball 7.0 at Normal Speed with the following custom distribution types: continuous range, discrete range, sloping continuous range, and sloping discrete range.

Overlay chart probability data can be inaccurate for series with less data

Overlay chart data are attached to the frequency axis of the chart, not the probability axis. For this reason, probability data can be inaccurate for all series except the one with the most data.

Extract Data information might not be accurate for the last bin

If you choose the Chart Bins statistic in the Extract Data dialog, information for the last (rightmost) bin might not be accurate. Crystal Ball determines bin location by evaluating whether data is equal to or greater than the minimum and less than the maximum for each bin. If data is equal to the maximum for the highest bin, it is not counted.

Using Crystal Ball with multiple versions of Microsoft Excel installed

Crystal Ball always runs against the default version of Microsoft Excel, which is typically the most recently installed version. To run Crystal Ball with another version of Excel, choose Start, then [All] Programs, then Oracle Crystal Ball, and then Application Manager. Then, choose the correct version of Excel in the dropdown list and click OK.

Distribution change note

In Crystal Ball 7.3.x, fitting routines were changed for some distributions (gamma, lognormal, Weibull and Student's t) to calculate better distribution parameters for a range of data points within a reasonable time. These changes might affect the fitting results for your data. The new routines have been tested and give results that are close to the previous results and compare favorably with other commercial applications.

The fitting routine for the Student's t distribution has been changed to improve performance with simulations greater than 3000 trials. If the number of data points is more than 3000, the new algorithm randomly samples 3000 points from the original set and runs the fitting routine on that. For simulations with more than 3000 trials, accuracy can drop slightly because the full dataset is not used in fitting.

Issues concerning Crystal Ball for EPM integration with Smart View and Workspace

Starting with Oracle Crystal Ball Enterprise Performance Management (Crystal Ball EPM) version 11.1.1.0.00, Crystal Ball EPM has areas of integration with Oracle Hyperion Smart View for Office (Smart View). Also, a listing of Crystal Ball for EPM files in the Enterprise Performance Management central repository can be viewed within Oracle Enterprise Performance Management Workspace (Workspace). Note that Crystal Ball currently cannot be installed from within Workspace, although some documentation suggests that it can.

Crystal Ball EPM version 11.1.1.3.00 is compatible with the following Enterprise Performance Management System products: Strategic Finance 11.1.1.1.00 or later, Smart View 11.1.1.0.00 or later, and Workspace 11.1.1.0.00 or later.

The following defects are currently logged in the Crystal Ball tracking system against the integration of Smart View and Workspace with Crystal Ball for EPM:

- The Smart View Data Source Manager is unable to add an open file to the Crystal Ball repository (7198126).
- Smart View displays an ObjectNotFoundException if a file has been deleted from the Crystal Ball repository and another user refreshes the repository folder in the Data Source Manager (7198129).
- For best results, do not use the Crystal Ball Define, Cell Preferences command on Smart View worksheets (8676929).
- Any script that might have been selected on the EPM Preferences, Calculations tab is cleared (set back to None) if the sheet on which the calculation script was defined is renamed. The same problem occurs if you move a sheet with an ad-hoc analysis to a new workbook. If a calculation script was defined for that sheet, the reference to it is lost (8665701).
- Crystal Ball data cell definitions can be cleared on Smart View worksheets in this version of the Crystal Ball EPM. However, cells cannot be copied or pasted (8654188).
- In Crystal Ball EPM, the Enterprise Performance Management connector is inactive by default and must be explicitly activated through the appropriate Crystal Ball More Tools command (8604284).

Issues concerning Crystal Ball for EPM integration with Strategic Finance

Starting with Oracle Crystal Ball Enterprise Performance Management (Crystal Ball EPM) version 11.1.1.1.00, Crystal Ball EPM has areas of integration with Oracle Hyperion Strategic Finance (Strategic Finance).

The following substantive defects are currently logged in the Crystal Ball tracking system against the integration of Strategic Finance with Crystal Ball for EPM:

- If the Strategic Finance Setup wizard is used to create a Strategic Finance Worksheet, and then an assumption is defined on an account that has

- been turned off in the HSF entity, a value of 65535 is entered into the assumption cell during the simulation. (This is an invalid value indicating that the assumption cannot be properly entered into the spreadsheet.) No valid data is passed into the simulation and Crystal Ball responds as if #N/A appeared as the original value in the assumption cell (7405080).
- If the Strategic Finance Setup wizard is used to create a Strategic Finance Worksheet, and then a Crystal Ball simulation is run with charts minimized and worksheets suppressed, it is not possible to stop the simulation manually. However, the Crystal Ball Control Panel, Crystal Ball toolbar buttons, and Run menu can be used to control the simulation when the charts and worksheets are maximized and visible (7475110).
 - If the Strategic Finance Setup wizard is used to create a Strategic Finance Worksheet using a server-based entity, the actual URL for the server is not listed. Only the user-specified name for the server appears on the Setup wizard's Entity Selection panel (7482940).
 - When the Strategic Finance Setup wizard is used to create a Strategic Finance Worksheet, and then a Crystal Ball optimization is run with OptQuest against the model created in that worksheet, it is not currently possible to save the simulation results file to a specified folder (the default behavior). An error message appears at the end of the optimization. Simulations run without using OptQuest perform as expected. As a workaround for running optimizations against Strategic Finance, turn off the following checkbox on the Strategic Finance Setup wizard's General panel: File options > After simulation, automatically save simulation results to the folder below (7483278).
 - Crystal Ball EPM version 11.1.1.3.00 is compatible with the following Enterprise Performance Management System products: Strategic Finance 11.1.1.1.00 or later, Smart View 11.1.1.0.00 or later, and Workspace 11.1.1.0.00 or later.
 - When a Crystal Ball EPM simulation is run against a Strategic Finance worksheet in Strategic Finance version 11.1.1.1.00 to 11.1.1.3.00, the wrong input values for future forecast values are being pulled in when the "Forecast period input values are . . . Constant for all periods" setting is selected (8532495).

Other known issues

The following are other important known issues in Oracle Crystal Ball version 11.1.1.3.00:

- Unexpected errors that seem to concern memory protection can occur when running in Extreme Speed (7402278, 7406022) and creating reports with Excel charts in Microsoft Excel 2007 running on Windows Vista (7407372).
- The Correlation Matrix tool cannot run on more than 255 assumptions (256 if formatting is not requested) (7403337).

- When 21 or more assumptions are included in a Tornado Chart tool analysis, there is a problem in the setting of the upside and downside values for assumptions at the end of the assumption list. To avoid this problem, limit the number of included assumptions to 20 or fewer when using the Tornado Chart tool (7400557).
- Crystal Ball dialog boxes remember their position on the screen. This can cause trouble when users change resolution or undock from an external monitor, particularly if dialogs have been moved or minimized. If you're using dual monitors, be certain that all dialogs, charts, and so on are visible on the primary monitor before shutting off the secondary monitor (7399612).
- The IRR, NPV, XIRR and XNPV functions in Extreme Speed are more accurate than the built-in Excel 2007 functions that are used in Normal Speed because of a fix for leap-year dates (8682173).
- Non-English preferences files are not populated to a locale-specific folder when migrating to a more recent version of Crystal Ball (8689320).
- Extreme Speed simulations are setting #N/A values in forecast cells to a value of 0 rather than leaving them undefined. This can cause problems if there is logic in the model to handle error values (for example, an ISERROR function) (8737914).

Crystal Ball Developer Kit Issues

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[CB.ExtractDataND can now extract multiple data types](#)
[Issues with CB.DefineAltParms and CB.GetAssum](#)
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Always use CB.CheckData before a CB.Get... call

To ensure that data is properly synchronized, always call CB.CheckData immediately after you insert, delete, move, or otherwise edit cells in a model, particularly before you use one of the CB.Get... functions.

CB.ExtractDataND can now extract multiple data types

You can now use CB.ExtractDataND to extract more than one type of data. To do this, use cbExtDataType followed by the type of data, and then follow that by a boolean Value2 parameter.

For example, the following lines of code extract both statistics and values:

```
CB.ExtractDataND cbExtDataType, cbDatStatistics, True
CB.ExtractDataND cbExtDataType, cbDatValues, True
CB.ExtractDataND cbExtOK
```

Issues with CB.DefineAltParms and CB.GetAssum

There are problems in defining and updating assumptions with lognormal distributions with alternate parameter sets created by the CB.DefineAltParms call. For example, if you are defining a lognormal distribution assumption with the log mean and log standard deviation, the low cutoff value or high cutoff value is being assigned to the mean and standard deviation. Workarounds are to avoid cell references; pass in the actual values for the parameters rather than cell references. Also, consider using the DefineAssumND call to define means and standard deviations.

Other Crystal Ball Developer Kit issues

There are additional issues with the Oracle Crystal Ball Developer Kit and OptQuest Developer Kit that you should consider for optimum code performance:

- Always use the English list separator character (,) and the English decimal separator (.) (7407256).
- Avoid running old-style Crystal Ball tools, such as Compare Run Modes, while Crystal Ball Developer Kit code is stopped at a breakpoint (7405074).

User-reported Defect Fixes

The following user-reported defects were fixed in Crystal Ball 11.1.1.3.01. Defects fixed in previous releases of Crystal Ball 11.1.x. are listed below these.

ID	Summary
7553866	Crystal Ball failed to start in a secure environment (a Windows XP Virtual PC image used for FDCC certification testing) because of license cryptography issues
8840762	It was not possible to add a new assumption to the Distribution Gallery after adding a previous assumption and clicking the "Do not show again" checkbox in the warning dialog that is displayed regarding the lack of saving of correlation information
8754377	Attempting to start Crystal Ball on a machine with a pre-release version of Excel 2010 installed resulted in index out of range error
8754369	The Predictor Methods panel displayed seasonal details for non-seasonal methods the first time it was displayed

The following user-reported defects were fixed in Crystal Ball 11.1.1.3.00. Defects fixed in Crystal Ball 11.1.1.1.00 and 11.1.1.0.00 are listed below these.

ID	Summary
7396452	Parameters in Predictor Developer Kit calls were not defaulting to previous settings as documented
7396488	Dates in Predictor had an extra :1 or :2 next to them even though there was only one of each of these dates
7397988	Predictor forecast fits were breaking down when they extended far into the future

7399547, 7400158, 7400185, 7404298 Unexpected errors occurred when users were creating or working with reports with Excel charts, possibly related to memory usage and read/write issues with the system %TEMP% folder

7399873 Warnings displayed when pasting normal distribution assumptions for Predictor forecasts with standard deviations less than 1e-15

7400016 Unexpected errors occurred when launching Predictor with a protected worksheet active in Microsoft Excel

7400668 Unselected independent variables were being pasted in Predictor following regression forecasts

7401279 An unexpected error occurred sometimes when displaying windows during simulations on computers with non-English settings

7402868 Generated reports and Extract Data worksheets created by Predictor were locked when users had an academic license

7403059 A CBF_SHOW unexpected error occurred when running Predictor

7405237 An unexpected error occurred when creating a report on a workbook that was shared or had change tracking enabled

7405315 When calculating the confidence interval for the double moving average, Predictor left off the numbers for the starting period, essentially considering one less period. Therefore, the standard errors and the confidence intervals were incorrect

7405386 An unexpected error occurred when using Predictor on a workbook where VBA macros were present but not enabled. The error occurred just before Predictor results were pasted into the output spreadsheet(s)

7405449 Simple lead calculations in Predictor needed updating to avoid fitting anomalies

7405560 Spreadsheet rows were cleared when saving large Crystal Ball models using Crystal Ball spreadsheet functions

7405877 If Oracle Hyperion Smart View for Office, Fusion Edition (Smart View) was connected to an OBIEE data source, and then Predictor was run on the data in the datasource grid, the predicted values overwrote data on the active sheet

7405955, 7405956, 7405957 Non-target forecasts were frozen during simulations with the Bootstrap, Decision Table, and 2D Simulation tools, which could have caused the target forecast results to be wrong, if the target forecast was dependent on the non-target forecasts

7407856 Unexpected errors occurred intermittently with password protected worksheets

7413936 Crystal Ball stopped calculating and froze when a very large probability value was entered into the Probability field in a custom distribution

7423181 Severe Extreme Speed performance degradation occurred because 'Unsupported vector operation' warnings were displayed for Excel functions accepting large Excel range arguments

7481216 AutoExtract percentile selection was not working properly when Crystal Ball was running on Windows Vista with Office 2007

7489848 In Extreme Speed, the Excel ROUNDUP function was returning continuous instead of discrete values

7569262 OptQuest validation was not checking for all invalid workbook or sheet name cases and was failing when a "}" character was not detected

7604728 A user experienced an unexpected load failure that probably resulted from limited account permissions

- 7629183 Crystal Ball stopped functioning and froze when a user was viewing an assumption (through the Define Assumption dialog) defined as a betaPERT distribution with a 10%, Likeliest, and 90% alternate parameter set in which the parameters varied by just 1e-10
- 7650763 There was an unexpected error when extracting data after several successful extractions during the updating of the Excel statusbar message
- 7656106 An unexpected error with the following message occurred when creating an assumption with a linked custom distribution consisting of a range with all zeroes: "Total probability must be > 0"
- 7669216 An "Excel.Names.Add Protected Memory" unexpected error occurred when saving, closing, and resaving a workbook in Excel 2007 format
- 7701654 A "Constraint.ObjectiveEditor.SetValues" unexpected error from null OptQuest statistic value occurred
- 8216500 A "ShowThreadFormHandler" unexpected error from null form or window occurred
- 8226733 An "EliminateDuplicateNameInfo " unexpected error occurred when closing a workbook with Crystal Ball data
- 8231509 An unexpected error occurred when using VBA to select over 80 assumptions for a sensitivity chart
- 8292154 #NUM was written to Crystal Ball assumption cells during a simulation
- 8335156 An unexpected error occurred when the user was single-stepping through assumption cells and changing some of the assumption values to test formulas
- 8351602 A "Key cannot be null" unexpected error occurred when loading cross-sheet correlations from deleted sheets
- 8465558 A Crystal Ball AutoExtract process did not populate cells on a worksheet with \$ in the name
- 8484895 The Microsoft Excel TABLE function returned inaccurate results in Extreme Speed with a certain customer model
- 8535845 An "input string not in a correct format" unexpected error occurred with the Data Analysis tool
- 8661914 When specifying an efficient frontier where the requirement is a percentage, the efficient frontier bounds did not convert percentages properly

The following user-reported defects were fixed in Crystal Ball 11.1.1.1.00. Important user-requested enhancements are also mentioned. Defects fixed in Crystal Ball 11.1.1.0.00 are listed below these.

- | ID | Summary |
|-----------|---|
| 7397429 | Assumptions were not renamed when they were pasted into a cell with a label to the left |
| 7402351 | It was not possible to define an assumption and run a Crystal Ball simulation with Turkish regional settings |
| 7405046 | Crystal Ball Developer Kit calls that supported sequential sampling with stochastic information packets (SIPs) were not available and properly documented |
| 7405320 | It was not possible to create a report in the REPORT worksheet of the current workbook when running on Excel 2007 |
| 7405374 | An invalid group name unexpected error occurred when running one of the Crystal Ball example models in single-step mode |

7405435 Users requested a simpler way of entering OptQuest constraints

The following user-reported defects were fixed in Crystal Ball 11.1.1.0.00. Note that any defects involving the previous licensing system have been fixed by moving to a new system and are not listed here. Many unlisted user-requested enhancements were also added to this version of Crystal Ball.

ID	Summary
7396863	Scenario Analysis results were wrong when calculation error occurred during simulations with Stop On Calculation Error turned off
7397989	"Problem generating new solution" error could occur in OptQuest before the end of an optimization
7398353	File installation issues occurred when upgrading
7399501	The Batch Fit tool was not accepting the correlation coefficient limit (Define correlations above) in the local regional settings format
7399604	OptQuest failed when running certain models in Excel 2000
7399664	Calculation differences occurred between Normal Speed and Extreme Speed when running a simulation on a specific model with extremely small values
7399675	Cell selections were failing because they were attempting to select cells on hidden worksheets
7400212	ExcelWorkbook.get_mExcelWorkbook unexpected error occurred when running the Decision Table tool
7400257	Control array run-time error occurred when launching OptQuest
7400347	'CBWorkbookPriority' warning occurred when copying two or more grouped sheets to another workbook when both workbooks contained Crystal Ball data
7400768	User had difficulty starting Crystal Ball from an external C# application using the Developer Kit
7400858	Nested OFFSET function returned invalid values in Extreme Speed
7401020	An Excel_Worksheet.get_Range unexpected error occurred when trying to run Crystal Ball
7401113	Crystal Ball's selection change processing was cancelling F8 area-selection in Excel
7401195	In Excel 2007, Extreme Speed and Normal Speed achieved different results with certain Microsoft Excel functions
7401291	VSS.VException unexpected error occurred when defining assumptions in XLSX or XLSB workbooks in Excel 2007 with an apostrophe (') in the name
7401356	Unexpected results differences when comparing Weibull and Gamma distribution fitting with the previous version
7401483	The Crystal Ball Reference Manual had incorrect information about the Weibull distribution's relationship to the Rayleigh distribution
7401621	The Excel TABLE function showed rounding/interpolation differences in Extreme Speed relative to Normal Speed
7401637	Significant differences in results occurred when running a large Oil and Gas model in Extreme Speed and Normal Speed
7401996	BaseScatterPanel.get_TotalPoints unexpected error occurred when creating scatter charts

7402095 ValuesOutput.BuildGlobalFilterList unexpected error occurred in Crystal Ball

7402096 SimManager.SimViewer.GetOcbVars unexpected error occurred when extracting data

7402295 "Failed to load resources" error when defining Crystal Ball data

7402535 OptQuest was not launching in a specific user environment

7402765 A very large model appeared to "hang" in the initialization phase of an OptQuest optimization

7403042 Assumptions that use text-formatted cells as the target for input parameter cell references were not handled properly in Extreme Speed simulations

7403243 OptQuest failed when a bar graph window was open

7403289 Decision Table Options should not have limited the number of trials to 10,000

7403781 An unexpected error occurred when displaying overlay, trend, or forecast charts for the selected forecasts in the results workbook for the Decision Table tool

7404002 In OptQuest, the sum of the decision variables didn't always equal the bound

7404238 OptQuest logging issues occurred when there were multi-byte characters in the %TEMP% path

7404342 UnsafeNativeMethods unexpected error involving Crystal Ball window display

7404884 "Unable to complete an OLE action" error occurred at the end of a simulation in Extreme Speed with a specific model

7405148 "Index was out of range" unexpected error occurred when attempting to define an assumption in Excel 2007

7405696 Statistics returned incorrect values when the ratio of the mean to the standard deviation was extremely large

7405796 Excel.Range.set_HorizontalAlignment unexpected error when performing an AutoExtract at the end of a simulation

7405987 Collections.ArrayList.RemoveAt unexpected error occurred when using the Single Step command

7406107 CBForms.PrefControls.ApplyPrefsForm.InitApplyLevel unexpected error occurred when attempting to activate comments in the Cell Preferences dialog

7406242 VSS.VEmbeddedInfo+Worksheet.DeleteBlockIfNeeded unexpected error occurred when running Predictor

7406350 Distribution fitting failed when a range formula was entered into the input field for the data range

7406403 DelayedMessageProcessor.DispatchItem.Equals unexpected error occurred when working with assumption correlations

7406527 If you fit a distribution to the NPV forecast and showed the distributions, the NPV displayed no parameters

7406950 Crystal Ball spreadsheet functions were taking on the value of 0 at the end of a simulation or after reset

7407485 The CB.Get*FN Excel functions were not calculated in Excel 2007 during a simulation when they were not on the active sheet

7407517 Data loss was occurring when Crystal Ball Developer Kit calls were used in the same spreadsheet as Crystal Ball distribution functions

7407834 Values returned by user-defined functions like CB.Triangular were not handled properly in Excel 2007 on dual-core computers

