

## Oracle® Policy Automation

Release Notes

Release 10.4.2

**E38275-01**

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## Release Overview

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Oracle Policy Automation 10.4 adds many new features, including:

- **Database Batch Processing:** The Data Source Connector has been re-envisioned as the Oracle Policy Automation Batch Processor. Database integration has been added to supplement the existing CSV processing.
- **What-if Analysis in Excel:** Policy modeling outcomes can now be analyzed and compared directly inside Microsoft Excel.
- **Coverage Reporting:** Policy models can be analyzed to find gaps between test scripts and the rules that have been defined.
- **Modules:** Policies may be modeled across multiple rulebase modules, easily sharing common polices across projects, divisions and systems.
- **Bulk Test Case Generation:** The Oracle Policy Automation Batch Processor can create test cases from the input data it processes.
- **Translated Help for Oracle Policy Modeling:** This is available in French, Italian, Portuguese (Brazilian), Simplified Chinese and Spanish.
- **Inferred Entity Instances:** Use rules to dynamically create new instances (such as benefits plans, tax years, or opportunities) to provide more intelligence assessments.
- **Interview Portlet:** Deploy interviews to any supported JSR 286-compliant portal server
- **Share and Hot-deploy Modules:** At runtime, compatible modules can be hot-swapped without the need to recompile the parent rulebase, minimizing maintenance overheads for commonly used modules.
- **Rulebase Version & Timestamp:** Users may choose to apply a label to the compiled rulebase that can be retrieved by the runtime components.

These release notes cover Oracle Policy Modeling and Oracle Policy Automation runtime components.

**NOTE:** As of Oracle Policy Automation 10.4.0, Oracle Policy Modeling Mass Case Tester is no longer included with Oracle Policy Modeling. Instead, alternative functionality is provided that is more closely tied to the core project lifecycle.

## Compatibility with Previous Releases

When deciding to upgrade to Oracle Policy Automation 10.4, the following considerations should be made:

- Oracle Policy Modeling 10.4 cannot be installed side-by-side with previous releases of Oracle Policy Modeling 10.x.
- Existing projects must be upgraded before they can be used with Oracle Policy Modeling 10.4, including any custom function extensions.

- Only rulebases built using Oracle Policy Modeling 10.4 can be deployed with Oracle Policy Automation 10.4 runtime components like Oracle Determinations Server, Oracle Web Determinations or the Oracle Policy Automation Interview Portlet.
- Rulebases built with version 10.4.0, 10.4.1 and 10.4.2 can be deployed to any OPA 10.4 runtime component versions. However it is recommended where possible to always use the latest available version.

## Feedback and Links

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Oracle products are designed according to your needs. We appreciate your feedback, comments or suggestions.

Let us know what you think.

### **Discussion forum for Oracle Policy Automation**

Share your ideas and questions with OPA users worldwide

<http://forums.oracle.com/forums/forum.jspa?forumID=828>.

### **Support web site**

Access the knowledge base and logged requests for enhancements or improvements

<http://www.oracle.com/support/index.html>

### **Oracle Policy Automation on Oracle Technology Network**

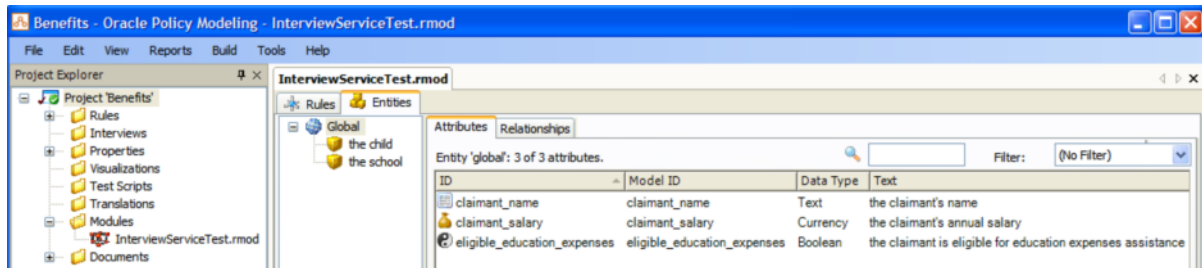
Access and download the latest product versions, documentation and technical information.

<http://www.oracle.com/technology/products/applications/policy-automation>.

# General Features

## Modules

Modules provide a way to maintain rules shared across multiple rulebases in a single project. When a common set of policies need to be shared across projects/divisions/systems, the user may choose to maintain these in a single project, alongside the relevant source and testing resources.



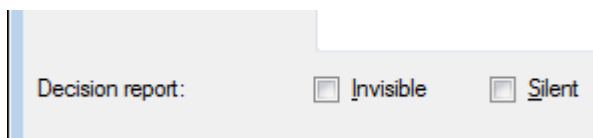
## Inferred Entity Instances

Inferred entity instances have previously been possible through the use of custom inferencing listeners. This is now a first-class concept in the authoring of rule documents, allowing the policy modelers to dictate the creation of entity instances.

Note that an inferred entity instance is not treated the same as a user-provided entity instances, meaning that no user-assigned values can be given to this instance.

## Silent and Invisible Relationships in Decision Reports

Relationships may now define whether they should be treated as silent and/or invisible when appearing in a decision report.



# Oracle Policy Modeling

## Upgrading

A warning is now shown when the existing projects contains additional items in the "output" directory, as all such items should be moved into the "include" directory to ensure they are correctly preserved

In Oracle Policy Modeling 10.4, it is no longer possible to create explicit radio button options for Boolean inputs, as this is now handled by Oracle Web Determinations. Existing rulebase projects may still contain these radio button options, however they will be ignored.

## What-if Analysis in Excel

The batch processor is a replacement for the Data Source Connector and allows a large number of 'cases' to be processed in batch. It has made it possible to easily analyze a policy model to see the results it will yield (using What-If Analysis documents). The batch processor can also be used to generate test scripts from existing Excel data.

	A	B	C	D	E
1					
2	#	the student's name	the student's subject	(the student passed the subject)	(the student's average mark)
3	1	Beth	Mathematics	TRUE	75
4	2	Anne	English	FALSE	65
5	3	Fran	History	TRUE	88

## Test Script Outcome Ordering

Outcomes within a test script can now be ordered by choosing "Move Up" or "Move Down" in the context menu for the selected outcome (or by using the associated keyboard shortcut).

ID	Entity ID	Display Text
goal_snap_eligible	global	SNAP Eligible
goal_snap_amount	global	SNAP Amount
goal_tanf_eligible	global	TANF Eligible
goal_tanf_amount	global	TANF Amount
goal_liheap_eligible		
goal_liheap_cool_eligib		
goal_wic_eligible		
goal_eitc_eligible		
goal_eitc_fed_max		
goal_eitc_state_max		
goal_cdcc_eligible		
goal_cdcc_fed_amount		

Action	Keyboard Shortcut
Edit Outcome...	Ctrl+E
Add New Outcome...	Ctrl+A
Delete Outcome	Del
Move Up	Ctrl+U
Move Down	Ctrl+D
Delete Invalid Outcomes...	Shift+Del

## Coverage Reporting

When test scripts are defined within a project, the user may choose to run a coverage report over their rulebase.

The screenshot shows the 'Test Script Coverage' application window. At the top, there is a title bar and a toolbar with 'Organize By Document', 'Coverage Threshold: 80 %', 'Analysis based on 16 goals', and a 'Regenerate' button. The main area is a tree view of the rulebase structure. The selected rule is 'Household includes person 60 or older or person who is disabled or blind - (3/6)'. Below the tree view, a detailed coverage report is displayed for this rule.

Coverage for this rule: 3/6

```

the household includes a household member who is aged 60 years or older or who is
disabled or blind; if
  either
    either
true false   the applicant is aged 60 years or older or
true false   the applicant is blind or permanently disabled
    or
true false   Exists(householdmembers, the household member is blind, disabled or aged 60
years or older)
  
```

## Microsoft Office 64-bit Support

Microsoft Word 2010 64-bit and Microsoft Excel 2010 64-bit are both supported on Windows 7 64-bit.

## Project Interchange Format

To reflect the introduction of modules, the project interchange format has been updated to include additional attributes to identify when an attribute is defined in the module, not in the parent rulebase. Rules in modules are not included in a project interchange file create for the parent rulebase.

## User's Guide Glossary

Inside the Oracle Policy Modeling User's Guide, an explicit glossary of key terms is now available.

### Available language parsers and authoring UI languages

Language	Locale code	Parser Type	Policy Modeling UI Language?	Policy Modeling User Documentation?
Arabic	ar-SA	Syntactic	Yes	No
Chinese (Simplified)	zh-CN	Syntactic	Yes	Yes
Chinese (Traditional)	zh-HK	Syntactic	Yes	No
Czech	cs-CZ	Non-syntactic	Yes	No
Danish	da-DK	Syntactic	Yes	No
Dutch	nl-NL	Syntactic	Yes	No
English (American)	en-US	Syntactic	Yes	Yes
English (British)	en-UK	Syntactic	Yes	No
Finnish	fi-FI	Syntactic	Yes	No
French	fr-FR	Syntactic	Yes	Yes
German	de-DE	Syntactic	Yes	No
Hebrew	he-IL	Syntactic	Yes	No
Italian	it-IT	Syntactic	Yes	Yes
Japanese	ja-JP	Syntactic	Yes	No
Korean	ko-KR	Syntactic	Yes	No
Norwegian (Bokmål)	nb-NO	Non-syntactic	Yes	No
Polish	pl-PL	Non-syntactic	Yes	No
Portuguese (Brazilian)	pt-BR	Syntactic	Yes	Yes
Portuguese (European)	pt-PT	Syntactic	Yes	No
Russian	ru-RU	Syntactic	Yes	No
Spanish	es-ES	Syntactic	Yes	Yes
Swedish	sv-SE	Syntactic	Yes	No
Thai	th-TH	Non-syntactic	Yes	No
Turkish	tr-TR	Syntactic	Yes	No

The rule authoring experience inside Oracle Policy Modeling, Microsoft Word and Microsoft Excel is fully localized for every syntactic and non-syntactic parser language. For some languages, fully translated Policy Modeling user documentation is also available.

A complete function reference is also available for every language from the Help menu.

# Oracle Determinations Engine

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## API Changes

Due to the introduction of modules, there have been a number of changes to core objects dealing with rulebase management. These include:

- Loading a rulebase can now be done only two ways – either by supplying a file path to the zip file, or by providing the rulebase zip as an input stream;
- The engine is no longer responsible for caching rulebases – this is handled by both Oracle Web Determinations and Oracle Determinations Server.
- The engine factory has been removed, as favor of a static method on the engine itself;
- A new interface for resolving module reference is available, as well as a default file-based module resolver;

For the interview engine:

- The default rulebase service plug-in has been replaced by the default rulebase resolver plug-in, due to the necessary change in required functionality. Any existing custom rulebase service plug-ins will need to be refactored accordingly to add support for modules.

There are also various small changes in method signatures, and some deprecated methods.

For further details on these changes, see the “Technical Reference” topic in the *Oracle Policy Automation Developer’s Guide*.

## New Batch Processor

Oracle Policy Automation 10.4 introduces a revised batch processor, which allows first-class usage of a database for the input and output of data. This replaces the Oracle Determinations Engine Data Source Connector from previous releases.

As of Oracle Policy Automation 10.4.1, the batch processor is now capable of outputting inferred entity instances for CSV output (including What-If Analysis)

As of Oracle Policy Automation 10.4.2, database batch processing can now use different database tables for input and output.

For further information on the Batch Processor, including migration for existing users of the Data Source Connector, see the “Batch Processor” topic in the *Oracle Policy Automation Developer’s Guide*.

# Oracle Web Determinations

## Interview Portlet

The Oracle Policy Automation Interview Portlet delivers rich interviews via any portlet server that supports JSR 286 (Java Portlet Specification v2.0). This allows for a common user experience across the user's site, while maximizing security and performance through standards like WSRP 2.0.

The Social Services Screening example rulebase provides examples of both a customized standalone Web Determinations application and customized OPA Interview Portlet.

### My Benefits (Web Determinations)

Case ID: Citizen  
[Save As](#) | [Load](#) | [Restart](#) | [Close](#)  
[Data Review](#) | [Summary](#)

**myDetails**  
**Your details**

Please provide some basic information about yourself

Name:

Gender:  male  
 female

Age:

Location:

U.S. citizen or qualified alien?  
 Yes  No

Blind or permanently disabled:  
 Yes  No

[Continue >](#)

OVERVIEW FAMILY INCOME EXPENSES MEDICAL APPLY myBENEFITS

### My Benefits (Interview Portlet)

OPA Interview Portlet  
[Save As](#) | [Load](#) | [Restart](#) | [Close](#)  
[Data Review](#) | [Summary](#)

**myDetails**  
**Your details**

Please provide some basic information about yourself

Name:

Gender:  male  
 female

Age:

Location:

U.S. citizen or qualified alien?  
 Yes  No

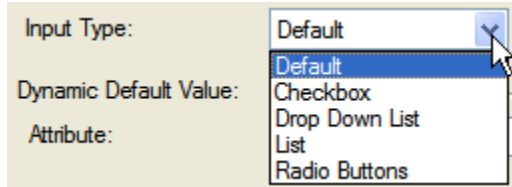
Blind or permanently disabled:  
 Yes  No

[Submit](#)

OVERVIEW FAMILY INCOME EXPENSES MEDICAL APPLY myBENEFITS

## Checkbox Input Type

For Boolean attributes, it is now possible to collect the attribute value as a checkbox:



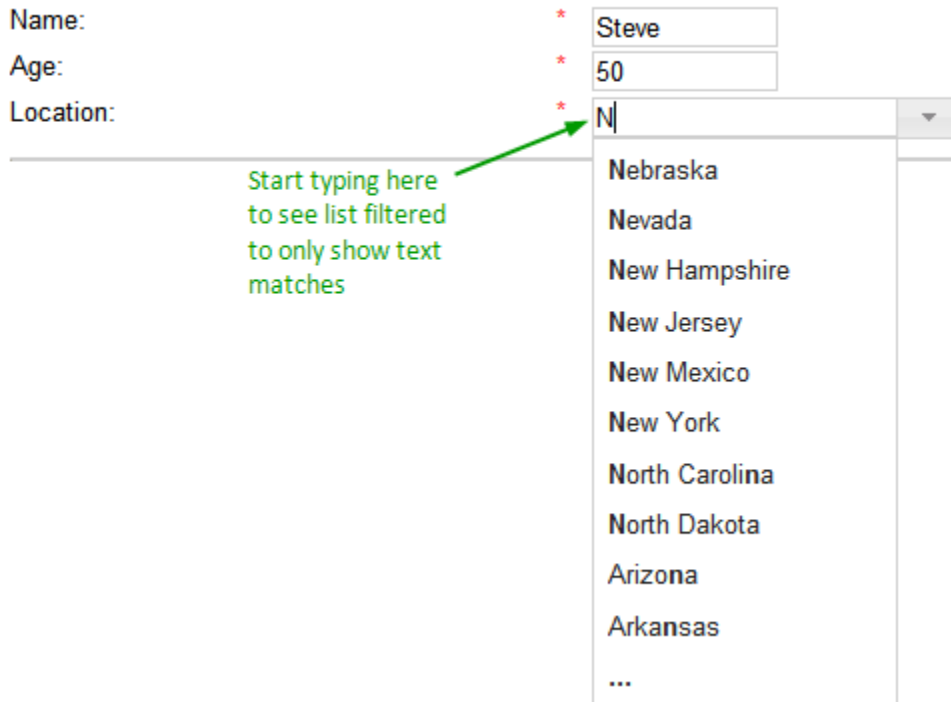
When the input control is presented to the user, checked means “true” and unchecked means “false” – there is no uncertain state (meaning a value is always collected for this input control.) If the attribute has been loaded into the session with an existing uncertain state, the checkbox will be displayed as unchecked, and therefore will be submitted as “false”.

## Searchable Drop Down Lists (10.4.1)

Drop down lists in Oracle Web Determinations are now searchable by default. This means that the list of items is filtered based on the text that the user inputs.

Matches that take place at the start of the string will take priority over ones that occur somewhere else in the string and will be shown higher up in the list. Note that the text search is case insensitive.

### Your details



You can configure the number of results displayed, the tooltip displayed for the trigger button, and the text displayed when the maximum number of results has been exceeded.

## Customizable Locale List

The locale list that is displayed when running a multi-lingual rulebase in Oracle Web Determinations will now list each locale as its localized name:



This list can be modified within the appearance configuration files used by Oracle Web Determinations.

## Oracle Determinations Server

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### New WSDL for Assess Service

There is a new version of the WSDL for assess requests and responses. Full backwards compatibility is provided for WSDL used in OPA 10.0 to 10.3.

## User Assistance

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The following user assistance materials have been updated for Oracle Policy Automation 10.4:

### Installation Guides

Oracle Policy Modeling Installation Guide  
Oracle Policy Automation Installation Guide

### Security Guides

Oracle Policy Modeling Security Guide  
Oracle Policy Automation Security Guide

### Oracle Policy Automation Help Guides

Oracle Policy Modeling User's Guide - Chinese (Simplified)  
Oracle Policy Modeling User's Guide - English (American)  
Oracle Policy Modeling User's Guide - French  
Oracle Policy Modeling User's Guide - Italian  
Oracle Policy Modeling User's Guide - Portuguese (Brazilian)  
Oracle Policy Modeling User's Guide - Spanish  
Oracle Policy Modeling Rapid Language Support Tool User Guide  
Oracle Policy Automation Developer's Guide

## Key Issues Addressed in 10.4 Releases

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### Key issues addressed in OPA 10.4.2

Issue	Description
OPAD-6598	Attributes are not recognized in the correct entity inside Excel documents, resulting in build conflicts.
OPAD-6640	Word document cannot be created in OPM if in Word the option 'Default file location' is set to a location where the user has no write permission.
OPAD-6643	Rule fragments may cause NullPointerException when investigating a goal.
OPAD-6701	SOAP fault occurs if whitespace is missing from request to 10.0 specific assess service.
OPAD-6993	The behavior of the Interview Portlet following a portlet session timeout is wrong and different to Oracle Web Determinations.
OPAD-7025	In Danish parser, 'usikker' and 'ussikkert' for uncertain do not compile in Excel table and rule table in Word.
OPAD-7051	Modules with rules that contain the for-scope operator may cause error when the main project is built.

## Key issues addressed in OPA 10.4.1

Issue	Description
OPAD-4406	The handling of variable sentences involving prepositions may not work correctly when parsing Korean and Japanese rules.
OPAD-5395	"uncertain" cannot be parsed in Danish rules when used for non-Boolean attribute in Excel.
OPAD-5631	The default value of a Boolean custom property may change when the "Allow blank value" checkbox is toggled multiple times.
OPAD-5639	Entity level goals on a summary screen may appear misaligned when comparing their appearance on different browsers.
OPAD-5643	A System.ArgumentOutOfRangeException may occur when attempting to use the Attribute Usage context menu without an active project.
OPAD-5664	Externally compiling a read-only Excel workbook when the workbook is currently open may result in a Visual Basic scripting error.
OPAD-5679	The Relationship Editor inside Oracle Policy Modeling may truncate and/or misalign text in non-English languages.
OPAD-5698	An error may occur in Oracle Web Determinations if a rulebase has multiple data review screens with the same public name.
OPAD-5701	The default value may not appear for a time-of-day, date or date-time input on an entity collect screen if the input style is displayed as separate inputs rather than a single text input control.
OPAD-5746	Logical loop reports may be displayed incorrectly when trying to display a relationship involved in the rule loop.
OPAD-5752	The "Display seconds" attribute property is not present when the rulebase is built as a module.
OPAD-5753	The "Display seconds" and "Unformatted" attribute properties are not exported in the project interchange file.
OPAD-5776	Processing entity aliases may fail when multiple-part characters are encountered for certain character sets, such as Thai.
OPAD-5874	If a document is moved between folders, the generated rules are not updated until the project is reloaded.
OPAD-5897	Creating a What-If Analysis file will fail if there are over 255 attributes in the global entity, or if attempting to add over 255 attributes to the active worksheet
OPAD-5905	A NullPointerException may occur if the containment relationship for an entity is incorrectly defined in multiple property files, and that entity is used in an

Issue	Description
	interview screen.
OPAD-5913	The error "cannot deactivate class loader as it is not active" may occur when Oracle Policy Automation components are under heavy load.
OPAD-6000	Determinations Server does not allow the interview service to be disabled
OPAD-6105	No error is reported if invalid XML is encountered in the configuration file for the Batch Processor
OPAD-6175	A CorruptSessionException may occur when previewing an entity level screen
OPAD-6184	The error "Length cannot be less than zero" may occur in Excel workbooks if the value of a text attribute is single quotation marks
OPAD-6236	An invalid containment hierarchy error may occur when adding a module link to a project inside Oracle Policy Modeling
OPAD-6308	OnInvestigationEndedEventHandler is not called when a flow-driven investigation is completed

## Key issues addressed in OPA 10.4.0

Issue	Description
OPAD-1197	Statement operators treat membership statements as new Boolean statements.
OPAD-1248	Screen commentary may not appear correctly for summary screens.
OPAD-2007	Cannot use logical functions with strings functions
OPAD-2271	In Web Determinations, the output format should be treated as the final input format to be matched, if not specified as an explicit input format.
OPAD-2758	The choice to not create the default folder structure for a new project should be retained for subsequent new projects.
OPAD-2928	Seconds should not appear by default for time-of-day and date-time attribute values.
OPAD-3183	When a modified project is committed to source control when exiting Oracle Policy Modeling, the user may be asked if they wish to reload the project.
OPAD-3461	Screen looping may occur if all required attributes are hidden on the current interview screen
OPAD-3501	The Regression Tester General Properties may appear to be not working due to optional warning messages sometimes appearing as mandatory validation messages.
OPAD-3664	Upgrading a rulebase with many rule document takes an unexpected long time
OPAD-3743	The "known" and "unknown" operators share the same natural language template in Turkish.
OPAD-4036	Out Of Memory issue can occur using 1 <sup>st</sup> January 1 AD with time-based reasoning functions (namely TemporalYearsSince)
OPAD-4546	--verbose option does not work with the --xml option in the command line regression tester
OPAD-4239	Generating public names in a project with multiple properties files may result in broken containment relationships.
OPAD-5281	"System.OutOfMemoryException" may be encountered when using Oracle Web Determinations on IIS under medium load.
OPAD-5332	When creating a new attribute, it should be possible to cancel creating an unparseable Boolean attribute, in case the attribute type is incorrect.
OPAD-5354	Unhandled HttpException may occur if application server is restarted when Oracle Web Determinations attempts to write to the session cookie.

Issue	Description
OPAD-5364	Opening a non-rule Excel workbook containing many (>10,000) styles may cause unexpected delays.
OPAD-5372	An invalid date stamp may be generated in the metadata of a rulebase created by Oracle Policy Modeling, depending on the current system locale.
OPAD-5384	Launching either Oracle Policy Modeling or Oracle Policy Modeling RLS Tool when the registry settings are missing may result in a KeyNotFoundException exception.
OPAD-5421	The XSD for the project interchange format is incomplete in the OPA Developer's Guide
OPAD-5425	Functional reference is missing the "<non-boolean attr>", in the case of <relationship>" template for relevant languages.
OPAD-5690	Assess service returns a different list of relevant attributes for an unknown attribute goal than the list displayed in the interactive debugger.

## Known Issues

Issue	Description
OPAD-2013	The List rulebases action returns a response that is technically illegal in the 10.0 Server WSDL. It is recommended that the 10.2 or later WSDL be used.
OPAD-2139	The specification for a RelationshipInstanceToOne type is wrong in the 10.0 Specific Assess WSDL. It is recommended that the 10.2 or later WSDL be used.
OPAD-2240	Certain browsers may incorrectly display dates inside Oracle Web Determinations for Right-To-Left locales. If this occurs, use a different supported browser.
OPAD-2663	<p><b>Symptom:</b> In Windows 7, in opening a Microsoft Word 2007 document or a Microsoft 2007 Excel work book within OPM, the window is not brought in foreground and flashes in the taskbar.</p> <p><b>Workaround:</b></p> <ol style="list-style-type: none"> <li>1) Open the registry using "regedit".</li> <li>2) Locate "HKEY_CURRENT_USER\Control Panel\Desktop".</li> <li>3) Look for "ForegroundLockTimeout", right click and modify.</li> <li>4) Change the base to "Decimal" and set the value to 0 and press the "OK" button.</li> <li>5) Close the registry editor.</li> <li>6) Restart the system for the change to take effect.</li> </ol>
OPAD-3257	Attributes used in test cases during development prior to any associated rules being created may be removed by the Clean Up Unused Attributes tool.
Compiling some functions in rule documents causes a compile error	<p><b>Symptom:</b> Compile error for functions like Maximum(&lt;x&gt;, &lt;y&gt;), Minimum(&lt;x&gt;, &lt;y&gt;), MakeDate(&lt;year&gt;, &lt;month&gt;, &lt;day&gt;), NextDate(&lt;date&gt;, &lt;day&gt;, &lt;month&gt;), etc. Those functions all take more than one arguments including at least one number attribute followed by comma.</p> <p><b>Workaround:</b> Add a space between the argument and comma, for example, Maximum(&lt;x&gt; , &lt;y&gt;).</p>
OPAD-3597	<p><b>Symptom:</b> After uninstalling Oracle Policy Modeling, Microsoft Excel 2007 may continue to look for the add-in, resulting in an error similar to "C:\Program Files\Oracle\Policy Modeling\Templates\Oracle Policy Modeling Excel 2007.xlam' could not be found. Check the spelling of the file name, and verify that the file location is correct."</p> <p><b>Workaround:</b></p> <ol style="list-style-type: none"> <li>1) Open Microsoft Excel 2007</li> <li>2) Choose the "Office" button (the round button with the Office icon) and select "Excel Options"</li> <li>3) Choose the "Add-Ins" tab and select the "Go..." button next to "Manage (Excel Add-ins)"</li> <li>4) Uncheck "Oracle Policy Modeling Excel 2007" and select the "OK" button</li> </ol>
OPAD-5084	Number and currency formatting may vary between the Java and .NET runtime platforms. It is recommended that a single deployment platform be used.

Issue	Description
OPAD-5282	The IsNumber function will not recognize formatted numbers in text, meaning IsNumber("1,000") will evaluate to false.
OPAD-5486	For non-Latin languages, folders within Oracle Policy Modeling may be created in English, rather than using the translated folder name. This is intentional.
OPAD-5555	If an outcome in a test script is defined from an inferred entity instance, test cases may fail when executed due to the instance id being different between the actual and expected instances. Outcomes should not be added from inferred entity instances.
OPAD-5560	Exceptions that occur when adding a new translation document may result in the resulting workbook being treated as an invalid rule document. Deleting this workbook and re-creating the translation document will resolve this issue.
OPAD-5610	Using the batch processor to generate a large test script (greater than 2 million test cases) is very slow. Note that it is not best practice to generate a single large test script.
OPAD-5662	Upgrading a project using the command line compiler may appear to succeed yet fail to compile if it contains read-only Excel workbooks. Ensure all documents are writable prior to upgrading the project.
OPAD-5982	Some context menus inside Oracle Policy Modeling may display an additional blank menu item when using the keyboard to scroll the menu items. This will be corrected in a future release.
OPAD-6091	HTML reports may not appear Right-To-Left (RTL) aligned when using a Right-To-Left language.
OPAD-6183	The list of languages inside the RLS tool may appear cutoff when using large fonts
OPAD-6298	TCP Port for the embedded Tomcat server inside Oracle Policy Modeling may be ignored, and the default port of 9000 used instead.
OPAD-6299	Inferred relationship rules may not compile if relationship text is not lower case.
OPAD-6346	Modules linked to a project will be listed in the set of files needing to be added to source control. This will be corrected in a future release.
OPAD-6358	Custom verbs are not included in modules. Custom verbs should be added to the project importing the module to ensure that attribute parsing remains the same.
OPAD-6948	<p>A right mouse click on merged cells in Excel results in an .xgen file that does not include the correct conditions.</p> <p>This problem is caused by the way in which the cells are merged: if the user selects the cells, right clicks on the mouse to bring up the <i>Format Cells</i> dialog, and then merges the cells by ticking the <i>Merge Cells</i> checkbox on the <i>Alignment</i> tab, then the conditions are not generated correctly.</p>

Issue	Description
	<p><b>Workaround:</b> Initiate the merge from the <i>Home</i> ribbon.</p>
<p>Some test cases may become known that were previously unknown</p>	<p>Partial Knowledge reasoning allows decisions to be made when only some of the members of a relationship are provided. E.g. if only some of the children are known.</p> <p>As a result, some test cases that were previously unknown may become known when inferred in the 10.0 engine. You should update your expected test case outcomes as a result.</p> <p>The reverse (known values becoming unknown) will never happen.</p>
<p>Test cases saved in certain locales may need manual updating</p>	<p>In versions prior to 10.0, test cases containing numeric values were saved using the numeric format of the current system locale. So, for example, if the Windows XP locale was set to the Netherlands, the numeric value 1000.5 was saved in the XML test case file as "1.000,5".</p> <p>In versions 10.0, the format of saved numeric values is no longer dependent on your current system locale, to ensure consistency across all systems.</p> <p>When loading test cases from earlier versions, the system cannot tell what locale they were saved using, so some test case values may be misinterpreted.</p> <p>If you experience unexpected test case failures after upgrading, open failed test cases and manually correct any numeric values that have been interpreted incorrectly.</p>
<p>Temporal reasoning does not function over inferred relationships</p>	<p>Relationships inferred from values that contain time based values cannot be expected to return correct results. This is planned to be addressed in a future release.</p>
<p>Folder paths in IsHTML control captions aren't cross-platform compatible</p>	<p>For interviews deployed to Web Determinations for .NET to function correctly on IIS, paths used in IsHTML control captions must include .aspx in the folder name. This will prevent the same interview from working if then deployed to a Java application server, such as through the Build/Build and Run menu item.</p> <p>For example, <code>../../images/button.gif</code> must be entered as <code>../../images.aspx/button.gif</code>, and <code>../../commentary/some-word-text</code> as <code>../../commentary.aspx/some-word-text</code></p>
<p>Functions are not supported when concluding text attributes in Excel rule documents</p>	<p>Entering a function in a cell as a conclusion may be incorrectly parsed as a string value if the concluded attribute type is text.</p>
<p>Importing saved</p>	<p>Old .xds files with Time Of Day attributes are no longer being imported</p>

Issue	Description
<p>session files from previous releases</p>	<p>successfully due to a change made in the element/field name during import-export that results in the actual values being set to "Unknown".</p> <p>Before it was  <code>&lt;time-of-day-val&gt; &lt;/time-of-day-val&gt;</code></p> <p>Now it's  <code>&lt;time-val&gt;&lt;/time-val&gt;</code></p>
<p>Function name parsing required no space between the function name and the opening parenthesis</p>	<p>To simply general parsing support across various languages, we have had to remove some custom function form matching logic. This means that function names <b>*must*</b> be immediately followed by the opening parenthesis otherwise they will attempt to be matched as attribute text.</p>

## Appendix: Installation Packages

Product	Components	Notes
<b>Oracle Policy Modeling</b>	<ul style="list-style-type: none"> <li>▪ Policy Modeling (installer)</li> <li>▪ Policy Modeling Installation Guide (PDF)</li> <li>▪ Policy Modeling Security Guide (PDF)</li> <li>▪ Policy Modeling User's Guide (HTML)</li> <li>▪ Policy Automation Developer's Guide (HTML)</li> <li>▪ Web Determinations (Java &amp;.NET)</li> <li>▪ Determinations Server (Java &amp;.NET)</li> <li>▪ Determinations Engine (Java &amp;.NET)</li> <li>▪ Determinations Engine Batch Processor (Java &amp;.NET)</li> </ul>	
<b>Oracle Policy Automation for .NET</b>	<ul style="list-style-type: none"> <li>▪ Policy Automation Installation Guide (PDF)</li> <li>▪ Policy Automation Security Guide (PDF)</li> <li>▪ Policy Automation Developer Help (HTML)</li> <li>▪ Web Determinations (.NET)</li> <li>▪ Determinations Server (.NET)</li> <li>▪ Determinations Engine (.NET)</li> <li>▪ Determinations Engine Batch Processor (.NET)</li> </ul>	Distributed in a single zip file. For ease of extraction and installation of the necessary runtime components on target systems no installer program is used.
<b>Oracle Policy Automation for Java</b>	<ul style="list-style-type: none"> <li>▪ Policy Automation Installation Guide (PDF)</li> <li>▪ Policy Automation Security Guide (PDF)</li> <li>▪ Policy Automation Developer Help (HTML)</li> <li>▪ Web Determinations (Java)</li> <li>▪ Determinations Server (Java)</li> <li>▪ Determinations Engine (Java)</li> <li>▪ Determinations Engine Batch Processor (Java)</li> <li>▪ Interview Portlet (Java)</li> </ul>	Distributed in a single zip file. For ease of extraction and installation of the necessary runtime components on target systems no installer program is used.
<b>Oracle Policy Automation Connector for Siebel</b>	<ul style="list-style-type: none"> <li>▪ Policy Automation Connector for Siebel Installation Guide (PDF)</li> <li>▪ Policy Automation Connector for Siebel Security Guide (PDF)</li> <li>▪ Policy Automation Connector for Siebel (installer)</li> <li>▪ Policy Automation Connector for Siebel Developer Help (HTML)</li> </ul>	Please check the release notes for the current connector to determine compatibility with this release.

Product	Components	Notes
<b>Oracle Policy Automation Connector for CRM On Demand</b>	<ul style="list-style-type: none"><li>▪ Policy Automation Connector for CRM On Demand Installation Guide (PDF)</li><li>▪ Policy Automation Connector for CRM On Demand Security Guide (PDF)</li><li>▪ Policy Automation Connector for CRM On Demand (installer)</li><li>▪ Policy Automation Connector for CRM On Demand Developer Help (HTML)</li></ul>	Please check the release notes for the current connector to determine compatibility with this release.