Version 9 Release 1.2
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IBM Opportunity Detect Release Notes

IBM

Contents

Chapter 1. New features and changes in IBM Opportunity Detect 9.1.2

This section describes the new features and changes introduced in the 9.1.2 version of Opportunity Detect.

Enhanced real time operation

Opportunity Detect can now accept transaction input in real time, via either a message queue or a web service. This enables the detection of customer behavior as soon as it can be channelled into the application. Opportunity Detect can send real-time output over either a message queue or a web servelet. Supported message queues are IBM® MQ and Active MQ.

The output can be used in various ways to produce behavior-based offers and communications.

- For near real time response, output can be passed to a table for IBM Campaign.
- For real time response, output can be sent to a message queue for IBM Interact.

Lookup table support

You can now include lookup tables as a data source in your trigger systems.

Lookup tables enable you to store thresholds, trigger parameters, transaction code categories, and other values in external tables, and use these values in your detection logic.

Note: If you use DB2 for your system tables, and if you are using the queue type of data source connector, Oracle is not supported for profile or lookup tables. Also, if you use Oracle for your system tables, DB2 is not supported for profile or lookup tables in any environment. (Defect 194098)

Select component enhancements

- Select components can now use data from another Select component as well as from a Container component or lookup tables.
- The Is member of function is now supported for Select components.

  The IsMemberOf (IMO) function provides an efficient method for identifying and acting on large quantities of lookup table data to determine which records contain a specified value. The IMO compares a single value with a single field in each row contained in a Select component.

Usability enhancements

- Component editors have been modified to improve usability.
- The component list filter has been enhanced as follows.
  - You can now create a filter based on multiple component types (for example, Action, Simple, Select) and component name criteria.
  - You can name and save custom filters that you create.

    Custom filters are stored in a cookie and are available as long as you do not delete the cookie. Pre-defined **Show relationships** filters (show ancestors or

descendants) are not saved to the cookie and are not available after you navigate away from the workspace in which it was created.

- Filters that you mark as global are available to all workspaces.

  Non global filters are available only in the workspace in which they were created.

- The workspace list has been enhanced as follows.
  - When you create a new workspace, the newly created workspace is selected in the list.
  - When you save a new workspace or modify the name of an existing one, it is inserted alphabetically in the list.
  - When you refresh the workspace list, the list is refreshed in alphabetical order.
  - When you first open the Workspace Manager, the Most Recent folder lists the five most recently viewed workspaces in descending order. During a session, all of the workspaces you view during that session are listed.
  - When the Workspace Manager page loads, the last workspace you were working in is automatically loaded.

Performance improvements

Dramatically increased performance was demonstrated by using a combination of high speed storage solutions in combination with table partitioning strategies.

See the topic "Partitioning the State History table for better performance" in the *IBM Opportunity Detect 9.1.2 Installation Guide* for more information. For additional guidance, contact IBM Services.

Where to find complete system requirement and compatibility information

For a list of IBM EMM product versions compatible with this product and a list of third-party requirements for this product, see the *Recommended Software Environments and Minimum System Requirements* document. This document is posted under Detailed System Requirements on the IBM Support Portal website: (http://support.ibm.com).

You can also access this document by selecting **Help > Product documentation** when you are logged in to IBM EMM.

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New features and changes in IBM Opportunity Detect 9.1.1

This section introduces the first release of the completely re-written IBM Detect, which has a new name: IBM Opportunity Detect.

Highlights of this release:

- Opportunity Detect now uses IBM InfoSphere® Streams technology for enhanced performance.

  Streams is an advanced analytic platform that allows Opportunity Detect to quickly ingest, analyze and correlate information as it arrives from batch and real time sources. The solution can handle very high data throughput rates.

- Opportunity Detect can produce outcomes that are designed to be used with Campaign.

  The new Expanded Outcome data source connector writes outcomes to database tables structured in a form that is readily consumed by Campaign.

- For interactive marketing, Opportunity Detect can process data using your organization's customized plugins.

  The new Web Service data source connector provides a web service for feeds and a web servlet for outcomes.

- Component references enable true reuse of trigger system logic by allowing you to copy a component and all of the other components upon which it depends from one workspace to another, in a single operation.

Chapter 2. Known issues

This section describes the known issues in the 9.1.2 version of Opportunity Detect.

The database password is not updated when you install Interact Advanced Patterns over Opportunity Detect	Defect 177556	If you install Interact Advanced Patterns over Opportunity Detect, and you select the manual option, you must manually update the `password` attribute of the `properties` tag in the `server.xml` file. This file is located in the `InteractService/wlp/usr/servers/InteractService` directory under your Opportunity Detect installation. You can use the `securityUtility` located under the `InteractService/wlp/bin` directory under your Opportunity Detect installation to encrypt the password. For example: `./securityUtility encode your_password`
An error occurs when referenced Container components in the same workspace have the same name	Defect 178235	When you are building triggers, it is a common practice to copy component references from multiple test workspaces into the same production workspace. If two Container components from two different workspaces have the same name, the Streams log shows the following error, and Outcomes are produced for only one of the Containers. `The table definition already exists: Container` To avoid this issue, give your Container components names that are unique across all workspaces.
When you use the Internet Explorer browser you can not add output functions on Select fields used in a Container component	Defect 178313	When you use the Internet Explorer browser to work with a Container component that uses fields from a Select component, when you try to apply a function that changes the output data type, the page refreshes intermittently and you can not select a function on any field. The drop down select box is not available and there are no values in the field. The workaround is to use the Chrome browser, where this issue does not occur.
The Action component does not fire for some workspaces when the Outcome is mapped to a Web Service connector	Defect 198305	When the Outcome data source is mapped to the Web Service connector, and if the trigger system contains only one Action component that is listening for a Forward Looking or negative Pattern component, no outcome message is sent. In this case, you need a second Action component that is listening for another type of component; then all outcome messages will be sent.

The XML file for the command line utility is not updated when the Run Time component is installed on a different machine from the Design Time component	Defect 199632	When you do not install the Run Time component on the same machine as the Design Time component, the `RemoteControlCLI.xml` file is not updated with the host and port of the Streams Remote Control service. This file must be configured if you want to use the `RemoteControlCLI` utility.
		To work around this issue, update the file manually to replace `[RCS_SERVER]` and `[RCS_PORT]` with the host and port of the Streams Remote Control Service.
		The `RemoteControlCLI.xml` file is located in the `cli` directory under your Opportunity Detect design time installation.

Chapter 3. Fixed defects

This section describes the fixed defects in the 9.1.2 version of Opportunity Detect.

Defect 95405	When a Batch run was performed in Recovery mode, duplicate outcomes were sometimes generated. This has been fixed
Defect 164287	No warning was displayed when you changed the type of data source connector This has been fixed
Defect 175922	Forward Inactivity components did not fire after the specified time span following the incoming event when transactions used the Web Service data source connector. This has been fixed
Defect 176388	An undefined error occurred during deployment. This has been fixed.
Defect 178313	When you used the Internet Explorer browser you could not add output functions on Select fields used in a Container component. This has been fixed.

Chapter 4. Known limitations

This section describes the known limitations in the 9.1.2 version of Opportunity Detect.

New lines in component descriptions cause errors	Defect 200351	If you add a new line manually in the **Description** field of a component, errors occur. Enter descriptions without pressing the **Enter** key.

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- A brief description of the nature of your issue.
- Detailed error messages that you see when the issue occurs.
- Detailed steps to reproduce the issue.
- Related log files, session files, configuration files, and data files.
- Information about your product and system environment, which you can obtain as described in "System information."

System information

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