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IBM Opportunity Detect System Tables

IBM

This edition applies to version 11, release 0, modification 0 of IBM Opportunity Detect and to all subsequent releases and modifications until otherwise indicated in new editions.

Contents

Chapter 1. About this document

This section provides an introduction to the purpose and scope of this document and the terms and conditions of use.

Purpose of this document

This document is intended to help your company understand the IBM® Opportunity Detect data model for integration purposes.

Important: You should not modify the Opportunity Detect system tables directly (rather than through the user interface). If you modify the Opportunity Detect system tables directly, you may compromise the Opportunity Detect functionality and make it more difficult for IBM Technical Support to resolve any problems that may occur.

Terms and conditions of use

The enclosed information is confidential and proprietary to IBM and accordingly may only be used in accordance with the terms of your current and valid confidentiality agreement.

This information should be shared within your company only on a need-to-know basis. If you are unable to confirm whether your company has a current and valid confidentiality agreement with IBM that appropriately protects the enclosed data from public disclosure, DO NOT CONTINUE THROUGH THIS DOCUMENT AND INSTEAD RETURN IT IMMEDIATELY TO IBM .

Future system table changes

IBM reserves the right, at any time, to change system table schemas and the contents of this document for the Opportunity Detect product. If you choose to develop custom integrations using Opportunity Detect system tables, these components need to be reviewed and possibly modified to work with future releases of Opportunity Detect system tables.

There is no guarantee of backwards compatibility or automated migration for custom-developed or third-party extensions using the Opportunity Detect system tables. IBM does not support any use of the Opportunity Detect system tables outside of standard application use conducted through the Opportunity Detect application or standard tools shipped as part of the product.

Chapter 2. IBM Opportunity Detect design time system table reference

This section provides details on each of the IBM Opportunity Detect design time system tables. Some fields are for future use.

Important: The data types shown in the tables are generic types that may be different in your Opportunity Detect installation, depending on the database type. For example, when DB2 is used for system tables, the data type shown as DATETIME will be TIMESTAMP, and NVARCHAR data will be VARGRAPHIC.

AudienceLevel

Stores the customer defined audience level information (formally known as entity).

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID for the audience level.
name	NVARCHAR	100	false	The display name for the audience level in the user interface.
code	NVARCHAR	1	false	The code associated with the audience level. This code is used in the names of files that contain the transaction and profile data.
origin	INT		false	Indicates whether the audience level was created by a user or by the system. In real time mode, audience levels are created by the system.
createDateTime	DATETIME		false	The date and time when the audience level was created.
modifyDateTime	DATETIME		true	The date and time when the audience level record was last modified.

Component

The central repository for all components.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the component.
componentTypeId	VARCHAR	36	false	The unique ID of the component type.
name	NVARCHAR	100	false	The user defined name of the component.
description	NVARCHAR	200	true	The user defined description for the component.
xmlRule	XML		true	The definition of the component, stored in XML format.
status	INT		false	The status of the component: complete or incomplete.

Field	Type	Length	Null?	Description
nameSpace	NVARCHAR	100	false	The workspace origin of a component. When a component reference is pasted into a workspace, the name of the workspace from which the component was copied is shown in parentheses after the component name in the component list.
tag	NVARCHAR	50	true	The user defined tag for the component.
origin	INT		false	Indicates whether the component was created by a user or by the system. In real time mode, components are created by the system.
negativeEvent	INT		false	Indicates whether the component can be used as a negative event.
createDateTime	DATETIME		false	The date and time when the component was created.
modifyDateTime	DATETIME		true	The date and time when the component was last modified.

ComponentDataSource

Stores the relationship between a component and data source.

Field	Type	Length	Null?	Description
componentId	VARCHAR	36	false	The unique ID of the component where the data source is being used.
allowsDataSourceId	VARCHAR	36	true	The ID of the transaction data source that the component is allowed to use.
usesDataSourceId	VARCHAR	36	true	The ID of the transaction data source that the component is configured to use.
allowsProfileId	VARCHAR	36	true	The ID of the profile data source that the component is allowed to use.
usesProfileId	VARCHAR	36	true	The ID of the profile data source that the component is configured to use.
audienceId	VARCHAR	36	true	The ID of the audience level that the component is allowed to use.

ComponentType

Stores the component type list.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that identifies the component type throughout the application.
type	NVARCHAR	100	false	An internal name associated with the component type.
category	NVARCHAR	100	false	Indicates the whether the component produces an event or data.

Connector

Stores connector information.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that identifies the connector throughout the application.
name	NVARCHAR	100	false	The display name associated with the connector.
description	NVARCHAR	200	true	The user defined description of the connector.
type	NVARCHAR	20	false	The type of the connector: file, table,TCP, Real Time (displayed as Web Service in the user interface), or Trigger Table.
createDateTime	DATETIME		false	The date and time when the connector was created.
modifyDateTime	DATETIME		true	The date and time when the connector was last modified.

CustomType

Stores all field definitions and other attributes for container, select function, and join function components.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the custom field. Custom fields are used only with container, select, or join components.
name	NVARCHAR	50	false	The name of the custom field.
componentId	VARCHAR	36	false	The unique ID of the component to which the custom field belongs.
dataTypeId	VARCHAR	36	false	The unique ID of the data type of the custom field.
length	INT		true	The length of a string field.
defaultValue	NVARCHAR	36	true	This field is not used.
outputName	NVARCHAR	50	true	The user defined name that is displayed in the component editor for the select function, and used by the select function.
aggregateFunction	NVARCHAR	20	true	The list of functions available for users to apply to fields in Select and Container components.
nullable	INT		true	This field is not used.
isUnique	INT		true	This field is not used.
trendTimeStamp	INT		false	A flag that is set when the user selects a Container timestamp field representing the primary date as the primary date in a select function.
createDateTime	DATETIME		false	The date and time when the custom field was created.

Field	Type	Length	Null?	Description
modifyDateTime	DATETIME		true	The date and time when the custom field was last modified.

DatabaseConnection

Stores database connection information.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that identifies the connection.
name	NVARCHAR	100	false	The user defined display name associated with the database connection.
databaseName	NVARCHAR	200	false	The name of the database.
serverName	NVARCHAR	200	false	The name of the database server.
databaseType	NVARCHAR	20	false	The type of the database.
userId	NVARCHAR	50	false	The user name for the database account that the system uses to access the database.
password	NVARCHAR	150	false	The password for the database account that the system uses to access the database.
port	INT		true	The port on which the database server listens.
createDateTime	DATETIME		false	The date and time when the connection was created.
modifyDateTime	DATETIME		true	The date and time when the connection was last modified.

DataSource

Stores data source information.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that identifies the data source throughout the application.
name	NVARCHAR	100	false	The user defined display name for the data source.
description	NVARCHAR	200	true	The user defined description of the data source.
type	NVARCHAR	20	false	The type of data source (transaction, file profile, or database profile).
customAttributes	NVARCHAR	2000	true	Not used.
origin	INT		false	Indicates whether the data source was created by a user or by the system. In real time mode, data sources are created by the system.
createDateTime	DATETIME		false	The date and time when the data source was created.

Field	Type	Length	Null?	Description
modifyDateTime	DATETIME		true	The date and time when the data source was last modified.

DataSourceField

Stores data source field definitions.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that represents the field.
dataSourceId	VARCHAR	36	false	The unique ID associated with the data source that the fields belong to.
name	NVARCHAR	100	false	The internal name of the field, used by the system and not displayed.
description	NVARCHAR	200	true	The user defined description of the field.
dataTypeId	VARCHAR	36	false	The unique ID that represents the data type of the field.
nameValueListId	VARCHAR	36	true	The unique ID associated with a named value list that is associated with the field.
appType	NVARCHAR	100	false	The type of the field: audience ID, transaction date, or attribute.
displayName	NVARCHAR	100	false	The name that is displayed in the user interface when users reference the data source field.
audienceId	VARCHAR	36	true	The audience level associated with the data source field.
createDateTime	DATETIME		false	The date and time when the field was created.
modifyDateTime	DATETIME		true	The date and time when the field was last modified.

DataType

Stores a list of the available data types.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that represents the data type.
name	NVARCHAR	100	false	The internal name that the system uses to identify data types.
displayName	NVARCHAR	100	false	The name of the data type that appears in the user interface.
length	INT		true	Allowed length of the data in fields of this type.
precision	INT		true	Precision of the data in fields of this type.
scale	INT		true	Scale of the data in fields of this type.

Field	Type	Length	Null?	Description
origin	INT		false	Indicates whether the data type was created by a user or by the system. In real time mode, data types are created by the system.
createDateTime	DATETIME		false	The date and time when the data type was created.
modifyDateTime	DATETIME		true	The date and time when the data type was last modified.

DeploymentConfiguration

Stores deployment configuration details.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that identifies the deployment configuration.
name	NVARCHAR	100	false	The user defined display name associated with the deployment configuration.
serverGroupId	VARCHAR	36	false	The ID of the server group that the deployment configuration uses.
workspaceId	VARCHAR	36	false	The ID of the workspace that the deployment configuration is associated with.
deployed	INT		false	Indicates whether the deployment configuration has been deployed.
origin	INT		false	Indicates whether the deployment configuration was created by a user or by the system. In real time mode, deployment configurations are created by the system.
systemLogLevel	INT		true	This field is not used.
inputMode	INT		false	An integer that represents the input mode used for the deployment configuration. The user can choose from file, real time or queue, which will control the data source mapping and validation for the deployment
inputVersion	INT		false	An integer that is used with the queue input mode. The user assigns a version number to the input version of the data being processed
outputVersion	INT		false	An integer that is used with the queue input mode. The user assigns a version number to the output version of the data being processed
inputFeedPath	NVARCHAR	255	true	Indicates the location of files to be processed by the real time file connector.
processedFeedPath	NVARCHAR	255	true	Indicates the location of where to move processed real time files.

Field	Type	Length	Null?	Description
createDateTime	DATETIME		false	The date and time when the deployment configuration was created.
modifyDateTime	DATETIME		true	The date and time when the deployment configuration was last modified.

DeploymentHistory

Stores histories of deployment configurations.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that identifies the deployment configuration history record.
version	INT		false	The sequential number per workspace and deployment configuration that identifies the deployment configuration version.
deploymentConfigurationId	VARCHAR	36	false	The unique ID of the deployment configuration.
action	NVARCHAR	50	false	Indicates whether the deployment configuration was deployed or un-deployed. With IBM Interact integration, re-deployed is also a possible value.
status	INT		false	The status of the deployment or undeployment: succeeded or failed.
message	NVARCHAR	2000	true	The message indicating that the action was successful, or an error message indicating why it failed.
actionDateTime	DATETIME		false	The date and time when the action completed.
inputMode	INT		false	An integer that represents the input mode used for the deployment configuration. The user can choose from file, real time or queue, which will control the data source mapping and validation for the deployment
inputVersion	INT		false	An integer that is used with the queue input mode. The user assigns a version number to the input version of the data being processed
outputVersion	INT		false	An integer that is used with the queue input mode. The user assigns a version number to the output version of the data being processed

DeploymentNotification

Stores the relationship between a deployment configuration and notification files for that configuration.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the notification.
deploymentConfigurationId	VARCHAR	36	false	The unique ID of the deployment configuration.
scriptFileName	NVARCHAR	50	true	The name of the notification batch file.

Encoding

Stores a list of the available file connectors and various attributes.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that represents the encoding used by feed files.
name	NVARCHAR	20	false	The name that the system uses to determine what file encoding to use.
displayName	NVARCHAR	100	false	The display name shown in the list of encodings in the user interface.

FileConnector

Stores a list of the available file connectors and various attributes.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that represents the file connector.
fileName	NVARCHAR	100	false	The name of the feed file that is associated with the file connector.
currencyLocaleId	VARCHAR	36	false	The unique ID of the currency locale that is associated with the file connector.
dateLocaleId	VARCHAR	36	false	The unique ID of the date locale that is associated with the file connector.
encodingId	VARCHAR	36	false	The unique ID of the file encoding that is associated with the file connector.
delimiter	INT		false	The numerical value of the file delimiter. (Pipe-124, Comma-44, Semicolon-59, Tab-9, Space-32)

FixedWidthFileConnector

Stores a list of the available fixed width file connectors and various attributes.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that represents the fixed width file connector.
bloomFilter	INT		false	A flag to turn on the use of a Bloom filter when processing the fixed width file.
timeQuantity	INT		false	The numeric value to set the time interval for the bloom filter.

Field	Type	Length	Null?	Description
timeUnit	VARCHAR	10	true	The time unit to be used with the time quantity option. Valid values are minute, hour, and day
probability	INT	17,16	true	Set the probability to help control getting a false positive match from the bloom filter. Valid values are a decimal value with up to 5 places that is greater than 0 and less than 1.
numberUnique	INT	14	true	Set the maximum number of unique records to store in memory. Valid choices are between 1-99999999999999.

FixedFileFields

Stores the field start and length defintion for use with the fixed width file connector.

Field	Type	Length	Null?	Description
connectorId	VARCHAR	36	false	The unique ID that represents the fixed width file connector.
dataSourceFieldId	VARCHAR	36	false	The unique ID that represents the data source field.
fieldStart	INT		false	An integer value that represents the starting position for the field.
fieldLength	INT		false	An integer value that represents the length of the field
filter	INT		false	A flag to indicate which field(s) to use with the bloom filter.

Locale

Stores locale information.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID associated with the locale information.
language	NCHAR	3	false	The language associated with the locale.
country	NCHAR	2	false	The country associated with the locale.
variant	NVARCHAR	100	true	The variant, if any, associated with the locale.
displayName	NVARCHAR	100	false	The display name for the locale.

NameValueItem

Stores details about named value list items.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that represents the named value list item.

Field	Type	Length	Null?	Description
nameValueListId	VARCHAR	36	false	The unique ID of named value list to which the named value item belongs.
name	NVARCHAR	100	false	The display name of the list item.
value	NVARCHAR	100	false	The value of the list item.
createDateTime	DATETIME		false	The date and time when the list item was created.
modifyDateTime	DATETIME		true	The date and time when the list item was last modified.

NameValueList

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the named value list.
name	NVARCHAR	100	false	The user defined name of the list.
description	NVARCHAR	200	true	The user defined description of the list.
dataTypeId	VARCHAR	36	false	The unique ID of the data type assigned to the list items.
origin	INT		false	Indicates whether the named value list was created by a user or by the system. In real time mode, named value lists are created by the system.
createDateTime	DATETIME		false	The date and time when the list was created.
modifyDateTime	DATETIME		true	The date and time when the list was last modified.

Partition

Stores details about the partition.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID associated with the partition.
name	NVARCHAR	100	false	The name of the partition.
createDateTime	DATETIME		false	The date and time when the partition record was created.
modifyDateTime	DATETIME		true	The date and time when the partition record was last modified.

PerformanceData

Stores performance information used by the monitoring tool. Note that For DB2 no length is defined, but for Oracle a length is defined. Thus, the length shown in the following table is for Oracle only.

Field	Type	Length	Null?	Description
id	INT64	19, 0	false	The unique ID for the record in the table.

Field	Type	Length	Null?	Description
depId	VARCHAR	36	false	The deployment configuration ID..
jobId	INT		false	The job ID for batch runs. Each batch run has a unique job ID.
serverId	VARCHAR	36	false	Unique ID that represents the server with which this performance data record is associated.
tStamp	DATETIME		false	The date and time of the entry.
peId	VARCHAR	36	true	Unique ID that represents the Streams processing element with which this performance data record is associated.
avgTupleRate	INT		true	The average transaction processing rate at the time when this performance data record was captured.
avgType	INT		true	
tupleRate	INT		true	The current transaction processing rate at the time when this performance data record was captured.
tuplesProcessed	INT64	19, 0	true	The number of transactions processed.

QueueConnector

Stores information necessary to connect to a queue.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the queue connector.
queueType	INT		false	An integer value that represents the type of queue service that is being used.
queueName	NVARCHAR	100	false	The name of the queue.
initialContext	NVARCHAR	200	true	
providerURL	NVARCHAR	200	true	
connectionFactory	NVARCHAR	100	true	
Port	INT		true	The port of the Rabbit MQ server. Rabbit MQ only.
hostName	NAVCHAR	255	true	The host name of the Rabbit MQ server. Rabbit MQ only.
sharable	INT		true	Indicates whether the queue connector can be shared across server groups.
userId	NVARCHAR	50	true	The user name for the account that the system uses to access the queue server.
password	NVARCHAR	150	true	The password for the account that the system uses to access the queue server.

RealTimeConnector

Stores information for web service connections, used in real time mode.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID associated with the web service connector (Web service is the display name for the connector in the user interface. It is named RealTime in the database).

RunConfiguration

Stores the most recent run configuration for a deployment configuration that was run as a batch run.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID that identifies the run configuration.
deploymentConfigurationId	VARCHAR	36	false	The unique ID of the deployment configuration.
artificialTransaction	INT		true	Indicates whether the user chose to use artificial transaction mode for a run.
bClearState	INT		true	This field is not used.
bNotification	INT		true	Indicates whether the user chose to have a notification sent at the completion of the batch run.
runInRecovery	INT		true	Indicates whether the user chose to run the job in recovery mode.
defaultFeedPath	NVARCHAR	255	true	The default feed path for all file data sources used in the run. This can override the default feed path on the server group definition.
inactivityMode	INT		true	Stores the inactivity mode for the system.
inactivityDate	DATETIME		true	The inactivity date that was used for processing inactivities.
systemLogLevel	INT		true	An integer that represents the logging level associated with the batch run.

Server

Stores server names and the number of Run Time Instances (RTI) to launch on the server.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the server.
serverName	NVARCHAR	50	false	The name of the server.
createDateTime	DATETIME		false	The date and time when the server record was created.
modifyDateTime	DATETIME		true	The date and time when the server record was last modified.

ServerGroup

Stores details about server group configurations.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the server group.
streamInstanceId	VARCHAR	36	true	The ID of the Streams instance associated with the server group.
name	NVARCHAR	50	false	The name of the server group.
usage	NVARCHAR	200	true	The usage of the Server Group: production, test, or development.
rtDatabaseConnectionId	VARCHAR	36	false	The ID of the database connection that the system uses used to connect to the run time database.
forProduction	INT		true	Indicates whether the server group is designated for production use. Use of production server groups is restricted to users with the correct permissions.
createDateTime	DATETIME		false	The date and time when the server group record was created.
modifyDateTime	DATETIME		true	The date and time when the server group record was last modified.

StreamInstance

Stores the Streams instance IDs.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the connector that is associated with the Streams instance.
instanceId	NVARCHAR	100	false	The unique ID of the Streams instance.

TableConnector

Stores information necessary to connect to a database table.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the table connector.
tableName	NVARCHAR	100	false	The name of the database table that the connector is associated with.
sharable	INT		true	Indicates whether the table connector can be shared by other server groups.
contentType	NVARCHAR	50	true	The type of data stored in the table: state or outcome.

TCPConnector

Stores information for TCP connections, used in real time mode.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID associated with the TCP connector.

Version

Stores information about the application installation.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID of the version information record.
version	NVARCHAR	100	false	The version number of Opportunity Detection at the time of installation or upgrade.
task	NVARCHAR	500	true	Indicates whether the instance was created by an install or upgrade.
message	NVARCHAR	100	true	Information about the installation version and the installation type: base install or upgrade.
createDateTime	DATETIME		false	The date and time when the version record was created.

Workspace

Stores information about workspaces.

Field	Type	Length	Null?	Description
id	VARCHAR	36	false	The unique ID associated with the workspace.
partitionId	VARCHAR	36	false	The partition associated with the workspace.
name	NVARCHAR	100	false	The name of the workspace.
description	NVARCHAR	200	true	The description of the workspace.
publishedDateTime	DATETIME		true	This field is not used.
status	INT		false	Indicates whether the workspace is ready to run.
origin	INT		false	Indicates whether the workspace was created by a user or by the system. In real time mode, workspaces are created by the system.
deployedDateTime	DATETIME		true	The date and time when the workspace was last deployed.
createDateTime	DATETIME		false	The date and time when the workspace record was created.

Field	Type	Length	Null?	Description
modifyDateTime	DATETIME		true	The date and time when the workspace contents are modified with significant changes. For example, changing the name of the workspace does not update this field.

XComponentComponent

Stores the relationships between the components.

Field	Type	Length	Null?	Description
componentId	VARCHAR	36	false	The unique ID of the component that is dependant upon another component.
referenceId	VARCHAR	36	false	The unique ID of the component that is being referenced..
relationship	INT		false	The numerical value that represents the relationship as either parent or child.

XComponentCustomType

Stores the relationships between custom data types and components.

Field	Type	Length	Null?	Description
componentId	VARCHAR	36	false	The unique ID of the component.
customTypeId	VARCHAR	36	false	The unique ID of the select or container custom fields referenced by the component.

XDeploymentDataSource

Stores the relationship between deployment configurations and a data sources.

Field	Type	Length	Null?	Description
connectorId	VARCHAR	36	false	The unique ID of the connector used in the deployment configuration.
dataSourceId	VARCHAR	36	false	The unique ID of the data source associated with the connection in the deployment configuration.
databaseConnectionId	VARCHAR	36	true	The unique ID of the database connection used in the deployment configuration.
deploymentConfigurationId	VARCHAR	36	false	The unique ID of the deployment configuration.

XServerGroupDatabaseConnection

Stores the relationship between a server group and the available database connections.

Field	Type	Length	Null?	Description
serverGroupId	VARCHAR	36	true	The unique ID of the server group.
databaseConnectionId	VARCHAR	36	true	The unique ID of the database connection used in the server group.

XServerGroupDataSource

Stores the relationship between server groups and data sources.

Field	Type	Length	Null?	Description
connectorId	VARCHAR	36	false	The unique ID of the connector associated with a data source.
dataSourceId	VARCHAR	36	false	The unique ID of the data source.
databaseConnectionId	VARCHAR	36	true	The unique ID of the database connection.
serverGroupId	VARCHAR	36	false	The unique ID of the server group.

XComponentDataSourceField

Stores the association between data source fields and components that use them.

Field	Type	Length	Null?	Description
componentId	VARCHAR	36	false	The unique ID of the component.
dataSourceFieldId	VARCHAR	36	false	The unique ID of the data source field that is being referenced by a component.

XComponentNameValueItem

Stores the association between a named value item and components that use them.

Field	Type	Length	Null?	Description
componentId	VARCHAR	36	false	The unique ID of the component.
nameValueItemId	VARCHAR	36	false	The unique ID of the named item value field that is being referenced by a component.

XServerStreamInstance

Stores the relationship between the Streams servers and instances.

Field	Type	Length	Null?	Description
serverId	VARCHAR	36	false	The unique ID of the Streams server.
streamInstanceId	VARCHAR	36	false	The unique ID of a database connection.
numberOfEngines	INT		true	The number of Streams instances on the server.

XWorkspaceComponent

Stores the relationship between components and a workspace.

Field	Type	Length	Null?	Description
workspaceId	VARCHAR	36	false	The unique ID of the workspace.
componentId	VARCHAR	36	false	The unique ID of the component that belongs to the workspace.
ready	INT		false	This field is not used.

XWorkspaceUser

Stores the workspace favorites for users.

Field	Type	Length	Null?	Description
workspaceId	VARCHAR	36	false	The unique ID of the workspace.
userId	INT		false	The ID of the user from the Marketing Platform database.

Chapter 3. IBM Opportunity Detect run time system table reference

This section provides details on each of the IBM Opportunity Detect run time system tables. Some fields are for future use.

Important: The data types shown in the tables are generic types that may be different in your Opportunity Detect installation, depending on the database type. For example, when DB2 is used for system tables, the data type shown as DATETIME will be TIMESTAMP, and NVARCHAR data will be VARGRAPHIC.

Run

Stores run information.

Field	Type	Length	Null?	Description
id	INT		false	A ID associated with the batch run.
deploymentConfigurationId	VARCHAR	36	false	The unique ID of the deployment configuration used for the run.
workspaceId	VARCHAR	36	false	The unique ID of the workspace associated with the deployment configuration.
startTime	TIMESTAMP		false	The date and time when the run was started.
endTime	TIMESTAMP		true	The date and time when the run finished.

RunDetail

Stores run detail information.

Field	Type	Length	Null?	Description
id	INT		false	A unique ID associated with the run detail record.
runId	INT		false	The unique ID of the run.
startTime	TIMESTAMP		false	The date and time when the run was started
endTime	TIMESTAMP		true	The date and time when the run completed.
state	INT		true	A numerical value that represents the final state for the batch run.
isRecovery	INT		true	Indicates whether this was a recovery run or normal run.
parameters	VARCHAR	1000	true	Stores all the run parameters that were used in the run.

RunState

Stores run status for each run detail record for each run.

Field	Type	Length	Null?	Description
id	INT		false	A ID associated with the run detail.
runDetailId	INT		false	The run detail ID.
runDetailRunId	INT		false	The run ID.
runTimeStamp	TIMESTAMP		false	Thedate and time associated with the system state record.
state	INT		false	A numerical value that represents the final state for the run detail

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If you encounter a problem that you cannot resolve by consulting the documentation, your company's designated support contact can log a call with IBM technical support. Use these guidelines to ensure that your problem is resolved efficiently and successfully.

If you are not a designated support contact at your company, contact your IBM administrator for information.

Note: Technical Support does not write or create API scripts. For assistance in implementing our API offerings, contact IBM Professional Services.

Information to gather

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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

When you call IBM technical support, you might be asked to provide information about your environment.

If your problem does not prevent you from logging in, much of this information is available on the About page, which provides information about your installed IBM applications.

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Contact information for IBM technical support

For ways to contact IBM technical support, see the IBM Product Technical Support website: (http://www.ibm.com/support/entry/portal/open_service_request).

Note: To enter a support request, you must log in with an IBM account. This account must be linked to your IBM customer number. To learn more about associating your account with your IBM customer number, see **Support Resources > Entitled Software Support** on the Support Portal.

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