

IBM Opportunity Detection  
Version 9 Release 1  
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## *System Tables*



**Note**

Before using this information and the product it supports, read the information in "Notices" on page 23.

This edition applies to version 9, release 1, modification 0 of IBM Opportunity Detection (product number 5725-D16) and to all subsequent releases and modifications until otherwise indicated in new editions.

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## 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 Detection data model for integration purposes.

**Important:** You should not modify the Opportunity Detection system tables directly (rather than through the user interface). If you modify the Opportunity Detection system tables directly, you may compromise the Opportunity Detection's 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.

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### 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 Detection product. If you choose to develop custom integrations using Opportunity Detection system tables, these components need to be reviewed and possibly modified to work with future releases of Opportunity Detection system tables.

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



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## Chapter 2. IBM Opportunity Detection design time system table reference

This section provides details on each of the IBM Opportunity Detection 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 Detection installation, depending on the database type. For example, in the 9.1.0 release, only DB2 is supported for system tables, so 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. |

| Field          | Type     | Length | Null? | Description  |
|----------------|----------|--------|-------|--|
| status         | INT      |        | false | The status of the component: complete or incomplete.   |
| nameSpace      | NVARCHAR | 100    | false | The user defined name space for the component.   |
| 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 determines what data sources 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. |



| Field    | Type     | Length | Null? | Description  |
|----------|----------|--------|-------|--|
| 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, or TCP.                         |
| 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 associated with the custom field.  |
| dataTypeId   | VARCHAR  | 36     | false | The unique ID of the data type of the custom field.   |
| defaultValue | NVARCHAR | 36     | true  | If the field is null, a default value can be used (only for fields used with the container component).                    |
| 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. |

| Field             | Type     | Length | Null? | Description  |
|-------------------|----------|--------|-------|--|
| aggregateFunction | NVARCHAR | 20     | true  | The user defined name that is displayed in the select function component editor and used by the select function. |
| nullable          | INT      |        | true  | Indicates whether the field can contain null values.   |
| isUnique          | INT      |        | true  | Indicates whether the field value is unique.   |
| createDateTime    | DATETIME |        | false | The date and time when the custom field was created.   |
| 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   | VARCHAR  | 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 | 50     | 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.                        |

| Field            | Type     | Length | Null? | Description  |
|------------------|----------|--------|-------|--|
| description      | NVARCHAR | 200    | true  | The user defined description of the data source.   |
| type             | NVARCHAR | 20     | false | The type of data source (transaction, file profile, database profile, lookup table).   |
| customAttributes | NVARCHAR | 2000   | true  |  |
| 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.  |
| 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.  |

## Data Type

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.  |
| 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      |        | false | An integer that represents the logging level associated with the deployment configuration.   |

| 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.  |
| 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.   |

## 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     | false | 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.   |

## 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. |
| nameValueListId | VARCHAR  | 36     | false | The unique ID associated with the named value list.      |
| 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. |

## 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  | Indicates whether the user chose to clear the state history before starting the batch run.   |
| 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      |        | false | 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  | The date and time when the workspace was last published.   |
| 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 was last modified. |

## 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 | Indicates whether the component is ready for deployment and has passed all validation. |



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## Chapter 3. IBM Opportunity Detection run time system table reference

This section provides details on each of the IBM Opportunity Detection 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 Detection installation, depending on the database type. For example, in the 9.1.0 release, only DB2 is supported for system tables, so 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 | The date 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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## Before you contact IBM technical support

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.

### Information to gather

Before you contact IBM technical support, gather the following information:

- 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.

You can access the About page by selecting **Help > About**. If the About page is not accessible, check for a `version.txt` file that is located under the installation directory for your application.

### 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](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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