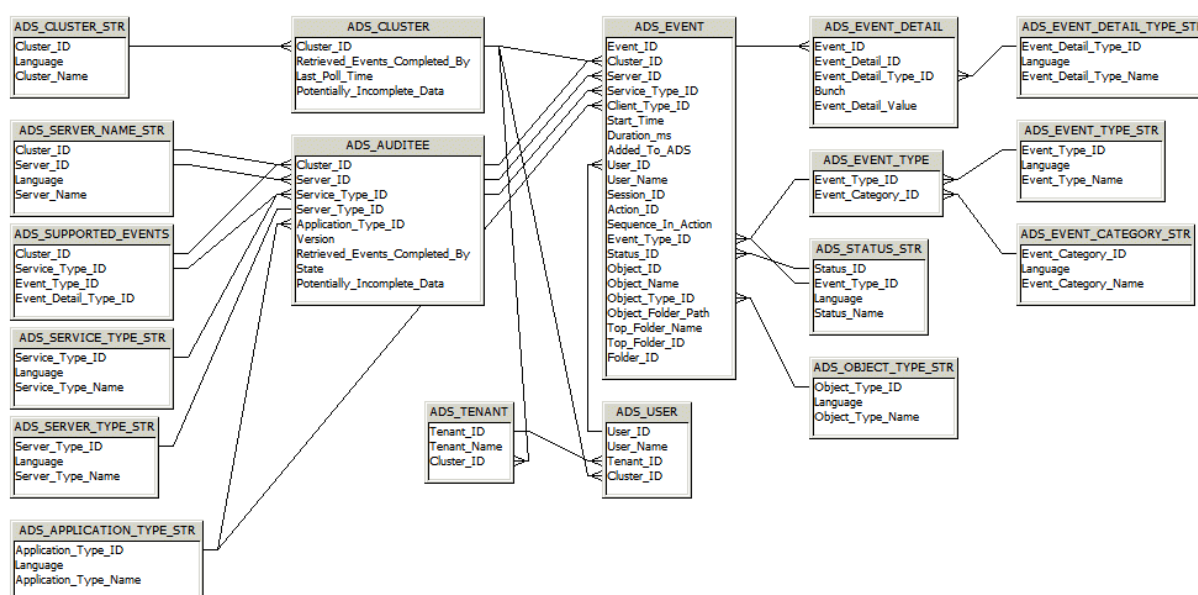


37 Auditing Data Store Schema Appendix

37.1 Overview

This appendix is a reference for any report designers that will be accessing and reporting off the Auditing Data Store tables. The following diagram and table explanations show you the tables where the auditing data will be recorded and how those tables are related.

37.2 Schema diagram



37.3 Auditing Data Store Tables

ADS_APPLICATION_TYPE_STR table

This table provides a multilingual dictionary of client application-type names.

| Column Name | Type | Description |
|-----------------------|-----------------|---|
| Application_Type_ID | Character (64) | The application-type CUID for the application. |
| Language | Character (10) | Code for the language in which the application type is recorded; for example <EN>, or <DE>. |
| Application_Type_Name | Character (255) | The text name of the application type; Crystal Reports or Web Intelligence for example. |

ADS_AUDITEE table

This table records property information for all auditee servers that are part of the deployment.

| Column Name | Type | Description |
|-------------------------------|----------------|--|
| Cluster_ID | Character (64) | The GUID for the cluster the auditee belongs to. |
| Server_ID | Character (64) | CUID of the server that triggered the event. If the event is client-triggered, will record the CUID of the adaptive processing server that processed the event. |
| Service_Type_ID | Character (64) | Service-type CUID of the service that triggered the event. Client-triggered events will record an application-type CUID. |
| Server_Type_ID | Character (64) | The server-type CUID for the server that triggered the event. |
| Application_Type_ID | Character (64) | The application-type CUID for the client that triggered the event. For server events, the ID of the service-type will be recorded. |
| Version | Character (64) | The version of the server or client that triggered the event at the time it was recorded. |
| Retrieved_Events_Completed_By | Datetime | The last time the Auditor CMS polled this auditee for its temporary files. This indicates that all events from this auditee competed prior to this date/time are in the ADS. |
| State | Integer | The state (Running, Not Running, Deleted) that the auditee was in. |
| Potentially_Incomplete_Data | Integer | Shows if this auditee may have events that were not transferred to the ADS. |

ADS_CLUSTER table

This table records information on any clusters that contain Auditees.

| Column Name | Type | Description |
|-------------|----------------|--------------------------|
| Cluster_ID | Character (64) | The GUID of the cluster. |

| Column Name | Type | Description |
|-------------------------------|----------|--|
| Retrieved_Events_Completed_By | Datetime | Shows how current the auditing information in the database for that cluster is. Records the oldest retrieved auditing timestamp for all currently running auditee servers at any given moment. This indicates all events completed prior to this date are in the ADS. |
| Last_Poll_Time | Datetime | The last time the auditor CMS polled the auditees in this cluster. |
| Potentially_Incomplete_Data | Integer | Indicates potentially incomplete audit information within the cluster: "0" = all servers have transferred data normally; and "1" = at least one running or non-running server in the cluster has its <i>Potentially Incomplete Data</i> flag set, meaning that one auditee has events that haven't transferred to the ADS. |

ADS_CLUSTER_STR table

This table provides a reference record of the different clusters in your deployment.

| Column Name | Type | Description |
|--------------|-----------------|--|
| Cluster_ID | Character (64) | A unique ID of the cluster. |
| Language | Character (10) | Code for the language setting for the cluster, for example, <EN>, or <DE>. |
| Cluster_Name | Character (255) | The name of the cluster. |

ADS_EVENT table

This table records the basic properties for each event, and is the central linking point for other tables in the schema.

| Column Name | Type | Description |
|-----------------|----------------|--|
| Event_ID | Character (64) | A unique ID generated for the event. |
| Cluster_ID | Character (64) | The GUID of the auditee's cluster. This is recorded because multiple clusters may use the same ADS. |
| Server_ID | Character (64) | The CUID of the server that triggered the event. |
| Service_Type_ID | Character (64) | <ul style="list-style-type: none"> The CUID of the service-type that triggered the event. Services on a server will record their service-type CUID. Client applications (BI launch pad or Web Intelligence for example) will record their application-type CUID. |
| Client_Type_ID | Character (64) | Records the Client Type ID of the client that established the session. |
| Start_Time | Datetime | The date and time (UTC) when the event operation started (including milliseconds). |

| Column Name | Type | Description |
|--------------------|-----------------|--|
| Duration_ms | Integer | Duration of operation in milliseconds. |
| Added_to_ADS | Datetime | The date and time (UTC) when the event was recorded in the ADS. |
| User_ID | Character (64) | The CUID of the user who performed the action. |
| User_Name | Character (255) | The name associated with the ID of the user who performed the action. Recorded in the Auditor CMS's default language. |
| Session_ID | Character (64) | GUID of the session during which the event was triggered. If there is no associated session, the field will be null. |
| Action_ID | Character (64) | ID of the user action that triggered the event. Used to group events that result from a single user action. |
| Sequence_In_Action | Integer | For multi-server (or client and multi-server) events, the server or client application in the sequence that triggered the event. In all scheduling workflows the sequence ID will always be 0. |
| Event_Type_ID | Integer | Type of event (View or Save, for example). |
| Status_ID | Integer | Status of the operation (for example, "0" = succeeded, "1" = failed). |
| Object_ID | Character (64) | CUID of the object that the operation was performed on. |
| Object_Name | Character (255) | The name of the object the operation was performed on. Recorded in the Auditor CMS's default language. |
| Object_Type_ID | Character (64) | CUID of object-type that the operation was performed on. |
| Object_Folder_Path | Character (255) | The full folder path (for example <code>Country/Region/City</code>) for the object the operation was performed on. Recorded in the Auditor CMS's default language. If the folder path cannot be determined this, value will be set to null. |
| Folder_ID | Character (64) | The CUID of the folder for the object the operation was performed. |
| Top_Folder_Name | Character (255) | Name of top level folder for the object. For example, if the object is located in <code>Country/Region/City</code> then <code>Country</code> will be recorded. |
| Top_Folder_ID | Character (64) | The CUID of the top-level folder where the object resides. For example, if object is located in <code>Country/Region/City</code> then the CUID of the <code>Country</code> folder will be recorded. |

ADS_EVENT_CATEGORY_STR Table

This table provides a multilingual dictionary of event category names.

| Column Name | Type | Description |
|---------------------|-----------------|---|
| Event_Category_ID | Integer | The event-category ID. |
| Language | Character (10) | Code for the language that the event category name is recorded in; for example <code><EN></code> , or <code><DE></code> . |
| Event_Category_Name | Character (255) | The name of the event category. |

ADS_EVENT_DELETES

Do not use or report off of this table. It is intended for internal system use, and may be removed in future releases.

ADS_EVENT_DETAIL table

This table records event detail properties.

| Column Name | Type | Description |
|----------------------|-----------------------|--|
| Event_Detail_ID | Integer | GUID for the event detail. |
| Event_ID | Character (64) | Parent event GUID. |
| Event_Detail_Type_ID | Integer | Type of event detail. |
| Bunch | Integer | <p>If the detail is part of a series, this is used to tie them together.</p> <p>For example, if a report had prompts for State and Country, a user may enter "USA" for the Country prompt, and "California" and "Nevada" for the State prompt. This would produce event details with two bunches. Bunch 1 would consist of:</p> <ul style="list-style-type: none">• Prompt Name: Country• Prompt Value: USA <p>Bunch 2 would consist of:</p> <ul style="list-style-type: none">• Prompt Name: State• Prompt Value: California• Prompt Value: Nevada |
| Event_Detail_Value | Character (long-text) | The value of the event detail. |

ADS_EVENT_DETAIL_TYPE_STR table

This table provides a multilingual dictionary of event detail type names.

| Column Name | Type | Description |
|------------------------|-----------------|---|
| Event_Detail_ID | Integer | The event detail-type ID for the event detail. |
| Language | Character (10) | Code for the language that the event detail name is recorded in; for example <EN>, or <DE>. |
| Event_Detail_Type_Name | Character (255) | The text name of the event detail type. |

ADS_EVENT_TYPE table

This table provides a reference record for the different categories of events.

| Column Name | Type | Description |
|-------------------|---------|---|
| Event_Type_ID | Integer | The unique identifier for the type of event. |
| Event_Category_ID | Integer | Category of event. For example, common, Web Intelligence, or Life-Cycle Management. |

ADS_EVENT_TYPE_STR Table

This table provides a multilingual dictionary of event type names.

| Column Name | Type | Description |
|-----------------|-----------------|---|
| Event_Type_ID | Integer | The event-type ID for the event. |
| Language | Character (10) | Code for the language that the event category name is recorded in; for example <EN>, or <DE>. |
| Event_Type_Name | Character (255) | The text name of the event type; View or Logon for example. |

ADS_OBJECT_TYPE_STR Table

This table provides a multilingual dictionary of event object names.

| Column Name | Type | Description |
|------------------|-----------------|--|
| Object_Type_ID | Character (64) | Object-type CUID of the object |
| Language | Character (10) | Code for the language that the object type name is recorded in; for example <EN>, or <DE>. |
| Object_Type_Name | Character (255) | Name of the object type. |

ADS_SERVER_NAME_STR table

This table provides a multilingual dictionary of server names. Values will be updated when servers are renamed.

| Column Name | Type | Description |
|-------------|----------------|---|
| Cluster_ID | Character (64) | The GUID of the cluster that the server belongs to. |
| Server_ID | Character (64) | The CUID of the server. |

| Column Name | Type | Description |
|-------------|-----------------|--|
| Language | Character (10) | Code for the language of the server name; for example <EN>, or <DE>. |
| Server_Name | Character (255) | The name of the server. |

ADS_SERVICE_TYPE_STR table

This table provides a multilingual dictionary of service-type names.

| Column Name | Type | Description |
|-------------------|-----------------|--|
| Service_Type_ID | Character (64) | The service-type or service-category CUID for the service. |
| Language | Character (10) | Code for the language the service-type name is recorded in, for example <EN>, or <DE>. |
| Service_Type_Name | Character (255) | The name of the service-type. |

ADS_STATUS_STR Table

This table provides a multilingual dictionary of event status names.

| Column Name | Type | Description |
|---------------|-----------------|--|
| Status_ID | Integer | The numerical representation of the operation's status. |
| Event_Type_ID | Integer | ID of the event's event-type. For example, 1002 for View. |
| Language | Character (10) | Code for the language that the event status is recorded in; for example <EN>, or <DE>. |
| Status_Name | Character (255) | A text description of the event's status; Succeeded or Failed, for example. |

ADS_SUPPORTED_EVENTS table

This table records a list of supported events and associated event details for each type of service or client application.

| Column Name | Type | Description |
|-------------|----------------|---|
| Cluster_ID | Character (64) | The cluster GUID that the service belongs to. |

| Column Name | Type | Description |
|----------------------|----------------|--|
| Service_Type_ID | Character (64) | Service-type CUID of the service that triggered the event. If the event is triggered by a client application, then an application-type CUID is recorded. |
| Event_Type_ID | Integer | ID for the type of event recorded (ID of Save, for example). |
| Event_Detail_Type_ID | Integer | CUID that identifies the type of event detail captured for that event (File Path, for example). |

ADS_TENANT Table

This table records the relationship between tenant names and tenant IDs.

| Column Name | Type | Description |
|-------------|-----------------|--------------------------|
| Cluster_ID | Character (64) | The GUID of the cluster. |
| Tenant_ID | Character (64) | The CUID of the tenant. |
| Tenant_Name | Character (255) | The name of the tenant. |

ADS_USER Table

This table records the relationship between users and tenants.

| Column Name | Type | Description |
|-------------|-----------------|--------------------------|
| Cluster_ID | Character (64) | The GUID of the cluster. |
| User_ID | Character (64) | The CUID of the user. |
| User_Name | Character (255) | The name of the user. |
| Tenant_ID | Character (64) | The CUID of the tenant. |