



Firefly Web Server - Audit Data

Introduction

Firefly Web Server can keep audit trail data for all interactions with Sparks. This document outlines the tables that are used to store the user data and should act as a guide for creating custom reports in your chosen reporting tool.

The audit trail data is recorded using two tables:

- **t_Interviews:** contains one record for each user session (execution of a Spark).
- **t_Answers:** contains one record for each element in the Spark.

The relationship between the two tables is that there is one record in the **t_Interviews** table (representing the session) with many associated records in the **t_Answers** table (representing each step the user took).

The t_Interviews table

The following table outlines the field descriptions for the **t_Interviews** table:

| Name | Type | Description |
|---------------------|---------|--|
| in_ID | String | The globally unique identifier for the interview. This is the primary key on the table. |
| in_ParentID | String | (not used) The parent globally unique identifier for the interview. |
| in_SparkID | String | The globally unique identifier for the Spark that was run to create this interview. |
| in_EventID | String | (not used) The globally unique identifier for any event associated with this interview. |
| in_SpaceID | String | The globally unique identifier for the Space in which the interview was created. |
| in_SparkVersionID | String | The internally created globally unique identifier for the version of the Spark that was run to create this interview. |
| in_ElementVersionID | String | (not used) The internally created globally unique identifier for the element version that was used to create this interview. |
| in_GroupParentID | String | (not used) The group parent globally unique identifier for the interview. |
| in_Pattern | String | (not used) The formatting pattern for the interview. |
| in_Name | String | The interview name. |
| in_Description | Binary | The interview description. |
| in_FormatType | Integer | (not used) An internal identifier for the formatting pattern for the interview: 1 = General format 2 = Number format 3 = Currency format 4 = Date format |
| in_DataType | Integer | (not used) An internal identifier for the data type for the interview: 0 = None |



| Name | Type | Description |
|--------------------------|-----------|---|
| | | 1 = Currency 2 = Date 3 = Number 4 = String 5 = Boolean 6 = Percentage 7 = Excel reference 8 = Variant 9 = Password 10 = Hash map |
| in_XLocation | Integer | (not used) The x-coordinate location for this interview element. |
| in_YLocation | Integer | (not used) The y-coordinate location for this interview element. |
| in_Order | Integer | (not used) The order of this interview. |
| in_DataInputType | Integer | (not used) The data input type format for this interview: 0 = None 1 = Long 2 = Short |
| in_FlowWidth | Integer | (not used) The width for this interview element. |
| in_FlowHeight | Integer | (not used) The height for this interview element. |
| in_IsNew | Boolean | (not used) Indicates if the interview element is new. |
| in_HasEvent | Boolean | (not used) Indicates if the interview element has an associated event. |
| in_OwnerGraph | Integer | (not used) An internal identifier to indicate which map the interview element is owned by: 0 = Main 1 = Event |
| in_SaveAuditData | Boolean | Indicates if the interview element and associated answer elements should be committed to the database or abandoned. |
| in_Saved | Boolean | Indicates if the interview element has been persisted as a result of a 'Save' operation by the end user. |
| in_Iteration | Integer | A counter used to determine the current iteration for the interview element. An iteration count results from the user going in a loop around a set of Spark elements. |
| in_HasSparkles | Boolean | Indicates if the interview was generated by multiple Sparks (due to Spark references – internally called 'Sparkles'). |
| in_FinishedDate | Date/Time | The date and time the interview was finished. |
| in_DateStamp | Date/Time | The date and time the interview was created. |
| in_UserID | String | The unique identifier for the user that currently owns the interview. |
| in_CompletionType | Integer | (not used) An internal identifier to indicate the completion type status for the interview. This is a deprecated column. |
| in_ServiceCategoryID | String | (not used) The category within the Spark for this interview element. This is a deprecated column. |
| in_ApplicationCategoryID | String | (not used) The category within the Spark folder module for this interview element. This is a deprecated column. |
| in_CompletionText | String | (not used) The completion text that should be used for the interview. This is a deprecated column. |
| in_IsBackup | String | (not used) Indicates if the interview should be shown the the backup folder view. This is a deprecated column. |



| Name | Type | Description |
|--------------|--------|---|
| in_UniqueID | String | The external unique identifier for this interview. This value is the result of using '&uniqueID=' in the query string for external stop-and-save control. |
| in_ProfileID | String | The unique identifier for the profile that currently owns the interview. |
| in_SparkName | String | The name of the Spark that was run to create this interview (at time of creation). |

The t_Answers table

The following table outlines the field descriptions for the t_Answers table:

| Name | Type | Description |
|---------------------|---------|--|
| an_ID | String | The globally unique identifier for the answer. This is the primary key on the table. |
| an_ParentID | String | The parent globally unique identifier for the answer. |
| an_SparkID | String | The globally unique identifier for the Spark that was run to create this answer. |
| an_EventID | String | The globally unique identifier for any event associated with this answer. This is a deprecated column. |
| an_SpaceID | String | The globally unique identifier for the Space in which the answer was created. |
| an_SparkVersionID | String | The internally created globally unique identifier for the version of the Spark that was run to create this answer. |
| an_ElementVersionID | String | The internally created globally unique identifier for the element version that was used to create this answer. |
| an_GroupParentID | String | (not used) The group parent globally unique identifier for the answer. |
| an_Pattern | String | The formatting pattern for the answer. |
| an_Name | String | The name of the Spark element represented by this answer. |
| an_Description | Binary | The answer description. |
| an_FormatType | Integer | An internal identifier for the formatting pattern for the interview: 1 = General format 2 = Number format 3 = Currency format 4 = Date format |
| an_DataType | Integer | An internal identifier for the data type for the interview: 0 = None 1 = Currency 2 = Date 3 = Number 4 = String 5 = Boolean 6 = Percentage 7 = Excel reference 8 = Variant 9 = Password |



| Name | Type | Description |
|-------------------------|---------|--|
| | | 10 = Hash map |
| an_XLocation | Integer | (not used) The x-coordinate location for this interview element. |
| an_YLocation | Integer | (not used) The y-coordinate location for this interview element. |
| an_Order | Integer | (not used) The order of this interview. |
| an_DataInputType | Integer | The data input type format for this interview: 0 = None 1 = Long 2 = Short |
| an_FlowWidth | Integer | (not used) The width for this interview element. |
| an_FlowHeight | Integer | (not used) The height for this interview element. |
| an_IsNew | Boolean | (not used) Indicates if the interview element is new. |
| an_HasEvent | Boolean | Indicates if the interview element has an associated event. |
| an_OwnerGraph | Integer | (not used) An internal identifier to indicate which map the interview element is owned by: 0 = Main 1 = Event |
| an_InterviewID | String | The globally unique identifier for the parent interview. This is a deprecated column. |
| an_ExactDateStamp | Long | The exact date (Unix format) the answer was created. This represents the number of milliseconds since 00:00 1 Jan 1970. |
| an_SecureUserInput | Binary | The masked secure user input provided by the end user. |
| an_HasUserInput | Boolean | Indicates if the answer has user input from the end user. |
| an_Iteration | Integer | A counter used to determine the current iteration for the answer element. An iteration count results from the user going in a loop around a set of Spark elements. |
| an_ContainerID | String | The globally unique identifier of the Spark element represented by this answer. |
| an_ContainerObjectType | Integer | An internal identifier to indicate the object type for the Spark element represented by this answer. |
| an_SecureContainerText | Binary | The masked secure text provided to the end user. |
| an_Notes | Binary | The notes provided by the end-user for this answer. |
| an_Enabled | Boolean | Indicates if this answer is active/enabled – meaning it represents a current answer, not a revision. |
| an_HasHelpText | Boolean | Indicates if the Spark element represented by this answer has help text. |
| an_HelpText | String | The parsed help text provided to the end user. |
| an_AllowExport | Boolean | Indicates if the answer can be exported by the end user. |
| an_IncludeInUserSummary | Boolean | Indicates if the answer should be included in the end-user audit view. |
| an_UserID | String | The unique identifier for the user that created the answer. |
| an_ProfileID | String | The unique identifier for the profile that created the answer. |
| an_IsExternalHelpText | Boolean | Indicates if the help text refers to an external website. |
| an_IPAddress | String | The IP address of the end-user machine running the Spark. |
| an_HasAttachments | Boolean | Indicates if the answer has associated file attachments. |
| an_IsSecure | Boolean | Indicates if the answer was created by a Spark element that was marked as secure. |
| an_MaskStart | Integer | The start position for the secure value mask. |
| an_MaskEnd | Integer | The end position for the secure value mask. |



| Name | Type | Description |
|-------------------------|-------------|---|
| an_ParentSparkID | String | The globally unique identifier for the parent Spark. This is populated when the user transitions between two Sparks. |
| an_ParentSparkVersionID | String | The globally unique identifier for the version of the parent Spark. This is populated when the user transitions between two Sparks. |
| in_ID | String | The globally unique identifier for the parent interview. This is a foreign key for 'in_ID' in the t_Interviews table. |