# **Data Dictionary**

# **For WCS Ods Audit tables and columns**

# **(Version 1.3.0.0)**

# **&**

# **Report Database Audit tables and Columns**

# **(Version 1.3.0.0)**

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# Document Revision History

| **Author** | **Date** | **Revision Type** | **Revision Version** | **Revision Details** |
| --- | --- | --- | --- | --- |
| Fetiya Kefene | 06-19-19 | Initial | 1.0 | Initial creation of Wcs ods and Report Database. |
|  |  |  |  |  |

**Revision Type Legend**

Enter one of the following terms in the Revision Type column:

* **Clarification –** Clarifications/additional information.
* **Externally Requested Change** – Client or trading partner requested or recommended changes.
* **Compliance –** Changes made to accommodate state compliance issues, including State Reporting.
* **Correction** – Correcting offsets, correcting padding, correcting field/label name, etc..
* **Cosmetic** – Changes to formatting, additions to appendixes, grammar/spelling.
* **Enhancement** – Internally requested or recommended changes, new functionality, and/or addition/deletion of fields.
* **Other Changes** – Renaming of fields, changes to keep similar exports/processes consistent, change in functionality.

1. **WCS Ods Audit tables/Columns**

|  |
| --- |
| AppVersion This table stores a record for each version deployed to the database, along with the date and time of deployment.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | AppVersionId Primary key; Identity column | int |
|  | AppVersion ODS version; the format is x.x.x[.x] | varchar(10) |
|  | AppVersionDate The date and time this record was inserted into the AppVersion table | Datetime2(7) |
|  | ProductKey  A product key from Product table | varchar(10) |

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| Customer This table stores record lists of Ods customers and status including IsActive and Loaded daily.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | CustomerId Primary key identify each customers, | int |
|  | CustomerName Name of customer | varchar(100) |
|  | SiteCode Client site code. | varchar(25) |
|  | CustomerDatabase  Name of customers production database | varchar(255) |
|  | ServerName  The name of a server where the customer database exist | varchar(255) |
|  | IsActive  Bit signals whether customer is currently active | bit |
|  | IsSelfHosted  Indicates if the customer manage data on their premise | int |
|  | IsFromSmartAdvisor  Indicates if the customer is from SA or other sources | int |
|  | IsLoadedDaily  If the extract is loaded daily to Ods | int |
|  | UseForReporting  Indicates if the customer is used for reporting purpose | int |

|  |
| --- |
| **DataExtractType**  Types of data extracts supported by the ODS  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | DataExtractTypeId  Primary key | tinyint |
|  | DataExtractTypeName Data extract description  0 – Initial , 1 – Incremental & 2 - Snapshot | varchar(50) |
|  | DataExtractTypeCode Alternate key. This code is included in the control file name.  FULL – Full extract , INCR – Incremental extract , & SNAP - Snapshot | varchar(4) |
|  | IsFullExtract  When true, files will include all records. When false, files will only include records that may have changed since the last incremental run. | bit |

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| **LoadStatus**  This table stores a list of ETL load job status with the number of customers, and with Start and End dates, which will be used for reporting.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | JobRunId Primary key | int |
|  | JobName  Name of the Ods Job | varchar(max) |
|  | Status  Status of the job. See StatusCode table for detail. | varchar(5) |
|  | NoOfCustomers  No of customers that the Ods run the files for that specific date. | int |
|  | StartDate  Date and time when the Ods job starts | datetime |
|  | EndDate  Date and time when the Ods job ends | datetime |

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| **PostingGroup**  A lookup table, which will show the logical grouping of tables that, have to be loaded together. They represent the same point in time.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | PostingGroupId Primary key | tinyint |
|  | PostingGroupName Name of posting group. | varchar(50) |

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| **PostingGroupAudit**  Audit table that tracks the status of a posting group load  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | PostingGroupAuditId Primary key. Identity. | int |
|  | OltpPostingGroupAuditId Primary key associated with the posting group on the source OLTP database. | int |
|  | PostingGroupId FK to Posting Group table | tinyint |
|  | CustomerId  FK to Customer table | int |
|  | Status  Status of posting group load.FI means load was completed successfully.  See StatusCode table for detail. | varchar(2) |
|  | DataExtractTypeId  When true (1), it means the posting group contains incremental data extracts.  0 – Initial , 1 – Incremental & 2 - Snapshot | int |
|  | OdsVersion  Wcs Ods version at the time this record was queued. | varchar(10) |
|  | SnapshotCreateDate  The date and time, the snapshot from which the data was extracted was created on the source server (typically the source secondary server). | datetime2(7) |
|  | CoreDBVersionId  The Server Core Database siteinfoseq used to track changes in the core database. | int |
|  | CreateDate  Date and time the record was added. | datetime2(7) |
|  | LastChangeDate  Date and time the record was last inserted or updated. | datetime2(7) |

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| **Process**  Stores information on each file to be loaded  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | ProcessId Primary key. Identity. | smallint |
|  | ProcessDescription Description of process. Example Load Process for Bill. | varchar(100) |
|  | TargetSchemaName Schema of the table that stores this data | varchar(10) |
|  | TargetTableName  Name of the table that stores this data | varchar(100) |
|  | ProductKey  FK to Product table. | varchar(100) |
|  | FileColumnDelimiter  The delimiter used in the file. | varchar(2) |
|  | PostingGroupId  FK to PostingGroup. | int |
|  | LoadGroup  Within a posting group, processes are broken into load groups that run concurrently. | int |
|  | HashFunctionType  SHA1 (1) or MD5 (2) | int |
|  | IsActive  Bit that signals whether this process is active | bit |
|  | IsSnapshot  If true, incremental files include the entire table; that is, we have to derive the changes by comparing to the last state of this table. We have to do this for tables that cannot use change tracking (dev and HIM static tables). | bit |

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| **ProcessAudit**  Audit table that tracks the status of each table load  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | ProcessAuditId Primary key. Identity. | int |
|  | PostingGroupAuditId FK to PostingGroupAudit | int |
|  | ProcessId FK to Process | smallint |
|  | Status  Status of load. When FI, load is complete. See StatusCode table for detail. | varchar(2) |
|  | ControlRowCount  Row count from the control file. | int |
|  | ExtractRowCount  Number of records loaded into stg table (staging). | int |
|  | UpdateRowCount  Number of records updated in src table (source) | int |
|  | LoadRowCount  Number of records loaded into src table. | int |
|  | ExtractDate  Date and time data was loaded into stg table | datetime2(7) |
|  | LastUpdateDate  Data and time record was last inserted or updated | datetime2(7) |
|  | LoadDate  Date and time data was loaded into src table | datetime2(7) |
|  | CreateDate  Date and time record was created | datetime2(7) |
|  | LastChangeDate  Data and time record was last inserted or updated | datetime2(7) |

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| --- |
| **Product**  This table stores a list of data sources we do bring to the Ods.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | ProductKey  Primary key | varchar(100) |
|  | Name Name of the product. Example can be Smart Advisor. | varchar(100) |
|  | SchemaName  Name of the schema for specific product. | varchar(10) |

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| **StatusCode**  This table stores a list status with their description.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | Status  Primary key | varchar(2) |
|  | ShortDescription Description of the status. Example Finished | varchar(100) |
|  | LongDescription  Long description of the status. | varchar(max) |

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| **Audit Columns in the src Schema**  These columns exist in each src tables.  Schema: src |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | OdsPostingGroupAuditId  FK to PostingGroupAudit table | int |
|  | OdsCustomerId FK to Customer table | int |
|  | OdsCreateDate  Date time record was created in the ODS | datetime2(7) |
|  | OdsSnapshotDate  Date and time of the snapshot from which the data was extracted. | datetime2(7) |
|  | OdsRowIsCurrent  Bit that signals whether this is the currently active record for this primary key; that is, the latest version of the row. | bit |
|  | OdsHashbytesValue  Hash value of the row. This is used to determine whether a record has actually changed (e.g., kill-and-fill would cause records that did not actually change to show as deltas). | varbinary(8000) |
|  | DmlOperation  I - Insert, U - Update, or D - Delete | char(1) |

1. **Report Database Audit tables/Columns**

|  |
| --- |
| AppVersion This table stores a record for each version deployed to the database, along with the date and time of deployment.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | AppVersionId Primary key; Identity column | int |
|  | AppVersion ODS version; the format is x.x.x[.x] | varchar(10) |
|  | AppVersionDate The date and time this record was inserted into the AppVersion table | Datetime2(7) |

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| **Process**  Stores information on table in the report database.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | ProcessId Primary key. Identity. | smallint |
|  | ReportId FK to ReportJob table | int |
|  | ProcessDescription Description of process | varchar(255) |
|  | ProductName  Name of the product. Example CSG Analytics | varchar(255) |
|  | TargetSchemaName  Schema of the table that stores this data | varchar(10) |
|  | TargetTableName  Name of the table that stores this data | varchar(255) |
|  | FilterDateColumnName  Column name to filter the data from the report. | varchar(255) |
|  | IsActive  Bit that signals whether this process is active | bit |
|  | IsReportedOn  If the table is used in the tableau report. The output table is usually will be used in reports. | bit |
|  | IndexScript  This will help to store index scripts created on the tables temporary | varchar(max) |

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| --- |
| **ReportCommand**  Stores information about tableau refresh  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | ReportID Primary key | int |
|  | ReportName Name of the report. | varchar(100) |
|  | CommandID  Primary key. Id used by tableau refresh process. | int |
|  | CommandName  Name of the command. | varchar(100) |
|  | CommandString  String used by Tableau refresh. | varchar(max) |
|  | Argument  Argument used by Tableau refresh. | varchar(250) |

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| **ReportJob**  Stores information on each reports with other parameter where it will used running the weekly, monthly and quarterly reports.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | ReportId  Primary key. Identity. | int |
|  | ReportJobName  FK to ReportJob table | varchar(255) |
|  | SourceDatabaseName Name of the source database | varchar(255) |
|  | EmailTo  Email address sending notification of a report | varchar(255) |
|  | CustomerListType  The value can be 0, -1 or a specific customer Id.  \* 0 - Report will be run for all customers but in a single pass on the source tables  \* -1 - Report will be run for all customers, but the stored procedures will be run looped based on the number of customers subscribed to the report (rpt.CustomerReportSubscription table in ReportDB)  \* <CustomerId> - Specify a particular customerId to process report data just for that customer. | int |
|  | RunType  The value can be 0 or 1.  \* 0 - the report runs using the views to get the most current data from the source Database  \* 1 - stored procedures will use the functions that return data at a point in time. The point in time will then have to be set in the SnapshotDate column. | int |
|  | SnapshotDate  This will null if the RunType = 0 , and will have date value when RunType = 1  See RunType column description for detail. | datetime |
|  | Priority  The priority of running the job. The jobs run based on the priority set in this column. | int |
|  | Enabled  If the job is enabled (1) or disabled (0). | int |
|  | IsDaily  The value will determine on how far we want to run the report. | int |
|  | IsWeekly  The value will determine on how far we want to run the report. | int |
|  | IsMonthly  The value will used to offset how far back the StartDate should be set from the EndDate. | int |
|  | IsQuarterly  The value will used to offset how far back the StartDate should be set from the EndDate. | int |

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| **ReportJobAudit**  Audit table that tracks the status of each job.  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | ReportJobAuditId Primary key. Identity. | int |
|  | ReportID FK to ReportJob table | int |
|  | CommandID It is the command Id for the tableau refresh. | int |
|  | JobStatus  Status of each job. Successful (1) & Failed (0) | int |
|  | CmdStatus  Status of the command for the tableau refresh | int |
|  | Job\_StartDate  Start date and time for the job | datetime |
|  | Job\_LastUpdate  Date and time when the job is updated last time. | datetime |
|  | Cmd\_LastUpdate  Date and time when the tableau refresh is updated last time. | datetime |

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| **ReportParameters**  Schema: adm |

Columns

|  |  |  |
| --- | --- | --- |
| Key | Name | Data Type |
|  | ReportId Primary key | int |
|  | ParameterName Primary Key.  If the value is RunDate then if value is NULL, the job will use the current date as the end Date. | varchar(50) |
|  | ParameterDesc It is the description of the parameter value. | varchar(500) |
|  | ParameterValue  If a value is populated for Parameter value, that value will be used as the end date and the start date will be computer from there. | varchar(600) |
|  | CreatedDate  Date and time the parameter is created. | datetime |