Deltek

Deltek Cobra® 8.6

Data Structure

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Contents

Overview

Cost control systems in general and earned value systems must be implemented in a way that suits the project in hand, the contractor, and the client. Cobra offers a great deal of flexibility in the way a project database is organized, and consequently a considerable amount of planning and preparation may be necessary before starting out. Most projects requiring earned value will extend over several years, so time spent on this preparation is well worthwhile.

The purpose of this guide is to provide you with the updated version of all the Cobra tables as well as the WST tables used by several applications, such as Open Plan and Cobra. This guide will help you to review the various aspects of the project data structure at the table level so that you might be able to interpret what happens when you set up a project in Cobra.

Important: Although this guide provides you with the updated Cobra and WST tables, it is recommended that you refer to the Cobra Data Dictionary, as it contains information about all available data tables, columns, and indexes in the Cobra database.

To access the Cobra 8.6 Data Dictionary, do one of the following:

- Click the following link: Cobra 8.6 Data Dictionary.
- Navigate to the Cobra directory and click **Help » Data Dictionary**.

Project Data Tables

The principal tables in the project database are:

- **CAWP**: This table contains control account and work package information.
- **MILESTN**: This table contains milestone information.
- **COSTELEM**: This table contains resource assignment information.
- **TPHASE**: This table contains time-phased information.
- **BASELOG**: This table contains changes to the baseline.
- **LINK**: This table contains information required to link a Cobra project with a schedule.

The tables are discussed in the succeeding sections.

CAWP Table

The CAWP table contains a record for each control account and work package. Each record contains information such as:

- The control account key fields
- The work package key field (for work package records)
- The automatically generated CAWPID that Cobra uses to create a relationship between the tables in the database
- The control account or work package description
- The control account or work package status (unopened, opened, or closed)
- Scheduled and actual/estimated dates
- BCWS, ACWP, BCWP, and BAC values at the control account or work package level
- Any codes assigned to the control account or work package

The CAWP table also contains information related to the calculation of earned value:

- The performance measurement technique used
- Completion percentage
- Units completed or to do

Control Accounts

Each control account in a project has a unique identifier, which is usually referred to as the “control account key.” This control account key is composed of three fields: **CA1**, **CA2**, and **CA3**. Most frequently, a control account is defined using **CA1** and **CA2**.

However, a user may choose to use all three keys or in some cases, only **CA1**.

> **Note:** Although the control account key field names are fixed, the labels used to identify the fields throughout the project are user-defined.

Typically, the control account key consists of a work breakdown structure field (usually called WBS) and an organizational breakdown structure field (OBS). This design is generally required for EVMS reporting

since this approach allows reports to be produced at any level in either structure. Cobra, however, does not require this approach. Other possible designs would be to use a WBS structure code alone or to use one or more unstructured control account numbers (such as a charge number) as identifiers.

Work Packages

Work packages represent a subdivision of control accounts and must be uniquely identified. This work package key is composed of the control account key plus one additional character key field (**WP**).

The work package key field may optionally correspond to a breakdown structure, and this structure may be the same as one of those used to define the control account. In this case, however, the structure codes used to identify the work packages must be the immediate children of the corresponding control account code.

The simplest approach is probably to define an unstructured additional field as a work package number to identify work packages within a control account. In the case of an integrated cost and schedule system, the work package number is often the activity ID.

CAWPID

Cobra randomly generates a unique identification number that is used to create a relationship between the tables in the database. This number is displayed in the CAWPID field. Cobra then uses this number to identify the detailed records, thus saving space and increasing database performance.

CAWP Data Structure

Data in the CAWP table is stored in the following fields:

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
CAWPID	INTEGER	Cobra-generated ID
CA1	NVARCHAR(59)	Control Account Key Field 1
CA2	NVARCHAR(59)	Control Account Key Field 2
CA3	NVARCHAR(59)	Control Account Key Field 3
WP	NVARCHAR(59)	Work Package
DESCRIP	NVARCHAR(254)	Description
SSD	DATETIME	Baseline Start Date
SFD	DATETIME	Baseline Finish Date
ASD	DATETIME	Actual Start/Forecast Start Date
AFD	DATETIME	Actual Finish/Forecast Finish Date
ESD	DATETIME	Early Start Date

Field Name	Data Type	Field Description
EFD	DATETIME	Early Finish Date
LSD	DATETIME	Late Start Date
LFD	DATETIME	Late Finish Date
PSD	DATETIME	Proposed Start Date
PFD	DATETIME	Proposed Finish Date
ACWP	DECIMAL(21,6)	Actuals
BCWP	DECIMAL(21,6)	Earned
BCWS	DECIMAL(21,6)	Budget to Date
BAC	DECIMAL(21,6)	Budget at Completion
EAC	DECIMAL(21,6)	Forecast or Estimate at Complete
FLAG	NVARCHAR(1)	Status
PMT	NVARCHAR(1)	EVT
STARTPC	INTEGER	Start Percent
PC_COMP	DECIMAL(11,6)	Percent Complete
UNITSTODO	DECIMAL(21,6)	Units To Do
UNITS_COMP	DECIMAL(21,6)	Units Complete
OP_BATCH	INTEGER	OP Batch
CL_BATCH	INTEGER	CL Batch
APPLINK	INTEGER	Apportioned Work Package UID
C1	NVARCHAR(59)	Code 1
C2	NVARCHAR(59)	Code 2
C3	NVARCHAR(59)	Code 3
C4	NVARCHAR(59)	Code 4
C5	NVARCHAR(59)	Code 5
C6	NVARCHAR(59)	Code 6

Field Name	Data Type	Field Description
C7	NVARCHAR(59)	Code 7
C8	NVARCHAR(59)	Code 8
C9	NVARCHAR(59)	Code 9
C10	NVARCHAR(59)	Code 10
C11	NVARCHAR(59)	Code 11
C12	NVARCHAR(59)	Code 12
C13	NVARCHAR(59)	Code 13
C14	NVARCHAR(59)	Code 14
C15	NVARCHAR(59)	Code 15
C16	NVARCHAR(59)	Code 16
C17	NVARCHAR(59)	Code 17
C18	NVARCHAR(59)	Code 18
C19	NVARCHAR(59)	Code 19
C20	NVARCHAR(59)	Code 20
USER_CHR01	NVARCHAR(100)	User Character Field 1
USER_CHR02	NVARCHAR(100)	User Character Field 2
USER_CHR03	NVARCHAR(100)	User Character Field 3
USER_CHR04	NVARCHAR(100)	User Character Field 4
USER_CHR05	NVARCHAR(100)	User Character Field 5
USER_NUM01	DECIMAL(21,6)	User Numeric Field 1
USER_NUM02	DECIMAL(21,6)	User Numeric Field 2
USER_NUM03	DECIMAL(21,6)	User Numeric Field 3
USER_NUM04	DECIMAL(21,6)	User Numeric Field 4
USER_NUM05	DECIMAL(21,6)	User Numeric Field 5
USER_DTE01	DATETIME	User Date Field 1

Field Name	Data Type	Field Description
USER_DTE02	DATETIME	User Date Field 2
USER_DTE03	DATETIME	User Date Field 3
USER_DTE04	DATETIME	User Date Field 4
USER_DTE05	DATETIME	User Date Field 5
BCWS_HRS	DECIMAL(21,6)	Hours Budget to Date
BCWP_HRS	DECIMAL(21,6)	Hours Earned
ACWP_HRS	DECIMAL(21,6)	Hours Actuals
BAC_HRS	DECIMAL(21,6)	Hours Budget
EAC_HRS	DECIMAL(21,6)	Forecast Hours
MANAGER	NVARCHAR(59)	CAM
EAC_NONLAB	DECIMAL(21,6)	Forecast Non-Labor
RESERVED1	NVARCHAR(239)	Used internally to index data processing
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID
ACWPCP	DECIMAL(21,6)	Current Period Actuals
BCWPCP	DECIMAL(21,6)	Current Period Earned
BCWSCP	DECIMAL(21,6)	Current Period Budget
BCWSCP_HRS	DECIMAL(21,6)	Current Period Hours Budget
BCWPCP_HRS	DECIMAL(21,6)	Current Period Hours Earned
ACWPCP_HRS	DECIMAL(21,6)	Current Period Hours Actuals
EOC	NVARCHAR(59)	Element of Cost

MILESTN Table

Cobra permits one or more milestones to be defined for each work package, and there is a record for each of these in the milestone table. Thus, a one-to-many relationship exists between the work package records in the CAWP table and records in the MILESTN table.

Because each milestone needs to be uniquely identified, the key to the MILESTN table consists of the **CAWPID** plus one additional field (**MS_NO**).

In addition to the milestone key, the milestone table contains information such as:

- Milestone descriptions
- Scheduled and estimate/actual finish dates
- Milestone status
- Relative weights
- Percent complete (optional)

Milestone Data Structure

Data in the Milestone table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
CAWPID	INTEGER	Cobra-generated ID
MS_NO	NVARCHAR(59)	Milestone ID
DESCRIP	NVARCHAR(254)	Description
SFD	DATETIME	Baseline Finish
AFD	DATETIME	Actual Finish
FLAG	NVARCHAR(1)	Status
WEIGHT	DECIMAL(21, 6)	Weight
PC_COMP	DECIMAL(11, 6)	Percent Complete
CL_BATCH	INTEGER	CL Batch
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

COSTELEM Table

The Resource Assignment table contains a record for each resource assignment assigned to a work package or control account. In addition to the **CAWPID**, the information stored for each resource assignment includes:

- The resource assignment code and cost class
- The Budget At Complete (BAC) for the resource assignment (In the case of forecast records, the BAC field stores the ETC.)
- The performance factor for statistical forecasts

Resource Assignment Data Structure

Data in the Resource Assignment table us stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
CAWPID	INTEGER	Cobra-generated ID
CECODE	NVARCHAR(59)	Resource Assignment Key Field
CLASS	NVARCHAR(20)	Class
BAC	DECIMAL(21,6)	Budget at Completion
FC_PC	DECIMAL(11,6)	Percent Complete
PF	DECIMAL(21,6)	Performance Factor
GA_PF	DECIMAL(21,6)	G&A Performance Factor
C1	NVARCHAR(59)	Code 1
C2	NVARCHAR(59)	Code 2
C3	NVARCHAR(59)	Code 3
C4	NVARCHAR(59)	Code 4
C5	NVARCHAR(59)	Code 5
C6	NVARCHAR(59)	Code 6
C7	NVARCHAR(59)	Code 7
C8	NVARCHAR(59)	Code 8
C9	NVARCHAR(59)	Code 9

Field Name	Data Type	Field Description
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID
EOC	NVARCHAR(59)	Element of Cost
SPREADNAME	NVARCHAR(16)	Spread Curve Name

TPHASE Table

The TPHASE table contains time-phased information. Cobra names the columns based on the results of a resource assignment calculation. These columns were defined during installation when tables were created for the project database.

The TPHASE table contains the detailed time-phased budget, forecast, earned value, and actual cost information for each work package or control account. The TPHASE table usually contains multiple records for each work package/control account. The record format includes the following information:

- The CAWPID
- The resource assignment key field (CECODE)
- The cost class
- A date representing the fiscal period of the detail
- A field for each result in the resource assignment table

TPHASE Data Structure

Data in the TPHASE table is stored in the following fields.

Field Name	Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
CAWPID	INTEGER	Cobra-generated ID
CECODE	NVARCHAR(59)	Resource Assignment Key Field
CLASS	NVARCHAR(20)	Class
DF_DATE	DATETIME	Date
BATCHNO	INTEGER	Batch Number
COM	DECIMAL(21,6)	Result Code – Cost of Money
DIRECT	DECIMAL(21,6)	Result Code – Direct

Field Name	Type	Field Description
FEE	DECIMAL(21,6)	Result Code – Fee
FRINGE	DECIMAL(21,6)	Result Code – Fringe
FTE	DECIMAL(21,6)	Result Code – Full Time-Equivalent
GANDA	DECIMAL(21,6)	Result Code – General and Administrative Expenses
HOURS	DECIMAL(21,6)	Result Code – Hours
OVERHEAD	DECIMAL(21,6)	Result Code – Overhead

BASELOG Table

The Baselog table contains a list of changes to the budget baseline. The list of changes is a record of all the movements made between different control accounts or between the various project accounts (for example, distributed and undistributed budget, management reserve, and authorized unpriced work) during the life of the project. The BASELOG table is populated when you initialize the baseline and is automatically updated when changes are made to the baseline.

BASELOG Data Structure

Data in the BASELOG table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
ROW_UID	NVARCHAR(59)	Row UID
CA1	NVARCHAR(59)	Control Account Key Field 1
CA2	NVARCHAR(59)	Control Account Key Field 2
CA3	NVARCHAR(59)	Control Account Key Field 3
WP	NVARCHAR(59)	Work Package
CECODE	NVARCHAR(59)	Resource Assignment Key Field
BBL_DATE	DATETIME	Period Date
STATUSDATE	DATETIME	Status Date
REFNO	INTEGER	Reference Number
TRANS_UID	VARCHAR(22)	Transaction UID

Field Name	Data Type	Field Description
DEBIT	NVARCHAR(3)	Debit
CREDIT	NVARCHAR(3)	Credit
AMOUNT	DECIMAL(21,6)	Amount
LOGCOMMENT	NVARCHAR(200)	Comment
USR_ID	NVARCHAR(20)	User ID
CPR3	INTEGER	CPR3
TSTAMP	DATETIME	Time Stamp
CCN	NVARCHAR	Contract Change Number
SIG	INTEGER	Significant Change
HOURS	DECIMAL(21,6)	Hours
CLIN	NVARCHAR(59)	Stores the CLIN code that is manually entered when creating Project Audit adjustments

LINK Table

The LINK table is created automatically when you load a schedule into Cobra and acts as a lookup table between the schedule activity ID and the control account and work package key fields in Cobra. The LINK table also stores the baseline and early and late dates for the activity at the time the activity was linked to the work item.

LINK Data Structure

Data in the LINK table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
CA1	NVARCHAR(59)	Control Account Key Field 1
CA2	NVARCHAR(59)	Control Account Key Field 2
CA3	NVARCHAR(59)	Control Account Key Field 3
WP	NVARCHAR(59)	Work Package
MS_NO	NVARCHAR(59)	Milestone ID

Field Name	Data Type	Field Description
FULLID	NVARCHAR(59)	Full Activity ID
CAWPID	INTEGER	Cobra-generated ID
LFDATE	DATETIME	Last Finish Date
LSDATE	DATETIME	Last Start Date
SFDATE	DATETIME	Scheduled Finished Date
SSDATE	DATETIME	Scheduled Start Date
EFDATE	DATETIME	Early Finish Date
ESDATE	DATETIME	Early Start Date
BFINISH	DATETIME	Baseline Finish Date
BSTART	DATETIME	Baseline Start Date
PFINISH	DATETIME	Proposed Start Date
PSTART	DATETIME	Proposed Finish Date
ID	NVARCHAR	Open Plan Activity ID
PRJNAME	NVARCHAR(15)	Schedule Project Name (used when deleting LINK records based on the schedule project)
DESCRIP	NVARCHAR(254)	Schedule Project Name Description
PMT	NVARCHAR(1)	Progress Technique
VALID	NVARCHAR(1)	Valid
CLASS	NVARCHAR(20)	Cost Class
FCSTCLASS	NVARCHAR(20)	Forecast Class
MSWEIGHT	DECIMAL(21,6)	Milestone Weight
UNITSTODO	DECIMAL(21,6)	Units to Do

Other Project-Specific Tables

In addition to the tables described above, the following project-specific tables may be created during the relevant operations.

PROGRAM Table

The PROGRAM table is a directory table consisting of entries containing project and contract information for each project set up in Cobra.

PROGRAM Table Structure

Data in the PROGRAM table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
STATUSDATE	DATETIME	Status Date
PD_START	DATETIME	Period Start Date
CA_ACTUAL	NVARCHAR(1)	Capture Actuals Level
FISC_FILE	NVARCHAR(22)	Calendar File
CALC_FILE	NVARCHAR(22)	Resource File
RATE_FILE	NVARCHAR(22)	Rate File
CA_ID1	NVARCHAR(10)	Control Account Field 1 Prompt
CA_ID2	NVARCHAR(10)	Control Account Field 2 Prompt
CA_ID3	NVARCHAR(10)	Control Account Field 3 Prompt
CA_BD1	NVARCHAR(22)	Control Account Field 1 Code File
CA_BD2	NVARCHAR(22)	Control Account Field 2 Code File
CA_BD3	NVARCHAR(22)	Control Account Field 3 Code File
WP_ID	NVARCHAR(10)	Work Package Prompt
WP_BDN	NVARCHAR(22)	Work Package Field Code File
CLC_PROMPT	NVARCHAR(20	No Longer Used

Field Name	Data Type	Field Description
CE_ID	NVARCHAR(10)	No Longer Used
CE_BDN	NVARCHAR(22)	No Longer Used
BATCHNO	INTEGER	Transaction Number
SPTYPE	INTEGER	Spread Weight Method
LOG	NVARCHAR(3)	Last Used Log Number
PERCENT1	INTEGER	Percent Range1
PERCENT2	INTEGER	Percent Range2
PERCENT3	INTEGER	Percent Range3
FC_TYPE1	NVARCHAR(1)	Forecast Method Range 1
FC_TYPE2	NVARCHAR(1)	Forecast Method Range 2
FC_TYPE3	NVARCHAR(1)	Forecast Method Range 3
FC_TYPE4	NVARCHAR(1)	Forecast Method Range 4
SCALECAP	NVARCHAR(20)	Scale Caption
SSD	DATETIME	Baseline Start
SFD	DATETIME	Baseline Finish
AFD	DATETIME	Forecast Finish
SCALEFAC	INTEGER	Scale Factor
CONT_NAME	NVARCHAR(250)	Contractor Name
CONT_LOC	NVARCHAR(40)	Contract Location
CONT_FLAG	NVARCHAR(1)	Contract Flag
CONT_TYPE	NVARCHAR(10)	Contract Type
CONT_NO	NVARCHAR(100)	Contract Number
QUANTITY	INTEGER	Quantity
FEE_PRCENT	DECIMAL(21,6)	Fee Percent
SHARERATIO	NVARCHAR(20)	Share Ratio

Field Name	Data Type	Field Description
CTC	DECIMAL(21,6)	Negotiated Cost
AUW	DECIMAL(21,6)	Authorized Unpriced Work
OTC	DECIMAL(21,6)	Original Negotiated Cost
CBB	DECIMAL(21,6)	Contract Budget Base
FEE	DECIMAL(21,6)	Fee
MR	DECIMAL(21,6)	Management Reserve
UB	DECIMAL(21,6)	Undistributed Budget
CEILING	DECIMAL(21,6)	Contract Price Ceiling
LRE	DECIMAL(21,6)	Forecast
ESTCEILING	DECIMAL(21,6)	Estimated Ceiling
ESTMR	DECIMAL(21,6)	Estimated Management Reserve
ESTUB	DECIMAL(21,6)	Estimated Undistributed Budget
BASELINED	INTEGER	Baseline Set
CAMCODE	NVARCHAR(59)	No Longer Used
OTB	DECIMAL(21,6)	Negotiated Cost
OPP_PROJ	NVARCHAR(254)	Open Plan Project
FISC_RW	NVARCHAR(22)	Rolling Wave Calendar
CCN_USEBDN	INTEGER	Is Change Number Code File Used
CCN_BDN	NVARCHAR(22)	Change Number Code File
CCN_VAL	NVARCHAR(1)	Is Change Number Code Required
P1	NVARCHAR(59)	Project Code 1
P2	NVARCHAR(59)	Project Code 2
P3	NVARCHAR(59)	Project Code 3
P4	NVARCHAR(59)	Project Code 4

Field Name	Data Type	Field Description
P5	NVARCHAR(59)	Project Code 5
P6	NVARCHAR(59)	Project Code 6
P7	NVARCHAR(59)	Project Code 7
P8	NVARCHAR(59)	Project Code 8
P9	NVARCHAR(59)	Project Code 9
MPSCODE	NVARCHAR(59)	No longer used
MGRFILE	NVARCHAR(22)	Manager Code File
MGRVALID	NVARCHAR(1)	Is Manager Code Validated
MGRTYPE	NVARCHAR(1)	No longer used
CONTRACT	NVARCHAR(100)	Contract Name
CONT_PHASE	NVARCHAR(20)	Contract Phase
CONT_REPN	NVARCHAR(60)	Contract Representative Name
CONT_REPT	NVARCHAR(60)	Contract Representative Title
CLASSFCN	NVARCHAR(60)	Classification
EVMS_ACC	INTEGER	EVMS Acceptance
EVMS_ADATE	DATETIME	EVMS Acceptance Date
OTB_DATE	DATETIME	Over Target Baseline Date
EAC_BEST	DECIMAL(21,6)	Best Case Forecast
EAC_WORST	DECIMAL(21,6)	Worst Case Forecast
ACWP	DECIMAL(21,6)	Actual
ACWP_HRS	DECIMAL(21,6)	Hours Actual
BCWP	DECIMAL(21,6)	Earned
BCWP_HRS	DECIMAL(21,6)	Hours Earned
BCWS	DECIMAL(21,6)	Budget to Date
BCWS_HRS	DECIMAL(21,6)	Hours Budget to Date

Field Name	Data Type	Field Description
BAC	DECIMAL(21,6)	Budget
BAC_HRS	DECIMAL(21,6)	Budget Hours
EAC	DECIMAL(21,6)	Forecast
EAC_HRS	DECIMAL(21,6)	Forecast Hours
COMPLETE	DATETIME	Complete
DEFINITE	DATETIME	Definite
C_SYMBOL	NVARCHAR(6)	Currency Symbol
C_RIGHT	INTEGER	Currency Symbol on Right
ISMASTER	INTEGER	Master Project Flag
PRODVIS	INTEGER	Indicates whether project is visible to PM Compass and/or Cobra
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID
IPMR2_CODE	NVARCHAR(30)	Code file assigned to the resource on the project (selected in the **IPMR Format 2 Summary** field on the Files tab of the Project Properties dialog box)
ADDRESS	NVARCHAR(70)	Address
STATE	NVARCHAR(3)	State
ZIP	NVARCHAR(11)	Zip code
ESTPRICE	DECIMAL(21,6)	Estimated Price
CITY	NVARCHAR(30)	City
COUNTRY	NVARCHAR(20)	Country
CONT_IDTYPE	NVARCHAR(15)	Contract Type
CONT_IDCODE	NVARCHAR(20)	Contract Code

Field Name	Data Type	Field Description
CONT_PROGRAM	NVARCHAR(80)	Contract Project
CONT_REPPHONE	NVARCHAR(20)	Contract Repetitive Phone Number
CONT_REPEMAIL	NVARCHAR(60)	Contract Repetitive Email
CONT_STATEMENT	NTEXT/LONG NVARCHAR	Contract Statement
CONT_TASK	NVARCHAR(80)	Contract Task
CONT_PROGTYPE	NVARCHAR(2)	Contract Program Type
CLIN_CODE	NVARCHAR(30)	The CA level code that contains the CLIN code field
OTB_MR	DECIMAL(21,6)	The OTB MR adjustment totals

Baseline Tables

When a baseline is set, Cobra creates the following baseline tables:

- BASELINE
- BASEDETL
- BASEHIST

BASELINE Table

The BASELINE table contains baseline information that has been stored for each project in the Cobra installation.

Data in the BASELINE table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR	Project Name
TRANS_UID	NVARCHAR	Transaction ID
REFNO	INTEGER	Reference Number
BASE_DATE	DATETIME	Date
LABEL	NVARCHAR(10)	Label
BBLCOMMENT	NVARCHAR(200)	Comment
UB	DECIMAL(21,6)	Undistributed Budget

Field Name	Data Type	Field Description
MR	DECIMAL(21,6)	Management Reserve
AUW	DECIMAL(21,6)	Authorized Unpriced Work
CTC	DECIMAL(21,6)	Contract Target Cost
DB	DECIMAL(21,6)	Distributed Budget
EAC	DECIMAL(21,6)	EAC
FEE	DECIMAL(21,6)	Fee

BASEDETL Table

The BASEDETL table stores the time phased beginning period data for CPR Format 3.

Data in the BASEDETL table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
TRANS_UID	NVARCHAR(22)	Transaction ID
FSC_DATE	DATETIME	Period Date
HOURS	DECIMAL(21,6)	Hours
AMOUNT	DECIMAL(21,6)	Amount

BASEHIST Table

The BASEHIST table stores a snap shot of the budget, actual and earned by control account when the calendar is advanced.

Data in the BASEHIST table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
CAWPID	INTEGER	Cobra-generated ID
HIST_DATE	DATETIME	Period Date
BAC	DECIMAL(21,6)	Budget
EAC	DECIMAL(21,6)	Forecast

Field Name	Data Type	Field Description
BCWS	DECIMAL(21,6)	Budget to Date
BCWP	DECIMAL(21,6)	Earned
ACWP	DECIMAL(21,6)	Actual
BCWS_HRS	DECIMAL(21,6)	Hours Budget to Date
BCWP_HRS	DECIMAL(21,6)	Hours Earned
ACWP_HRS	DECIMAL(21,6)	Hours Actual
BAC_HRS	DECIMAL(21,6)	Budget Hours
EAC_HRS	DECIMAL(21,6)	Forecast Hours

MULTPROG Table

If you use the multi-project link or merge facility, Cobra automatically creates a multi-project table that stores information about the projects attached to the master project.

Data in the MULTIPROG table is stored in the following fields.

Field Name	Data Type	Field Description
MASTER	NVARCHAR(22)	Master Project Name
SUBPROGRAM	NVARCHAR(22)	Subproject Name

Narrative Table

Cobra uses the following table when storing variance narrative data.

NARRANALYSIS Table

This table is used to store the narrative scores generated from PM Compass once the workflow is completed.

Data in the NARRANALYSIS table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
STATUSDATE	DATETIME	Status Date
CAWPID	INTEGER	Cobra-generated ID
CODE	NVARCHAR(59)	Code

Field Name	Data Type	Field Description
KEY_TYPE	NVARCHAR(20)	Key Type
EXPLAN	TEXT	Narrative Score Explanation
SCORE	DECIMAL(5, 2)	Narrative Score
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

NARRTEXT Table

This table is used to store the narrative text data.

Data in the NARRTEXT table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
STATUSDATE	DATETIME	Status Date
CAWPID	INTEGER	Cobra-generated ID
CODE	NVARCHAR(59)	Code
KEY_TYPE	NVARCHAR(20)	Key Type
CAT_UID	INTEGER	Category
NARR_TEXT	TEXT	Narrative Text
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

Ancillary Tables

Ancillary tables, in general, essential to the normal operations of Cobra. In several cases, in fact, you must have the data tables already in place before you can set up a project. Auxiliary tables may be shared among multiple projects and, depending on network security, may be shared among users in a multi-user environment.

Cobra uses the following types of auxiliary tables, each of which is discussed in the sections that follow:

- Breakdown structure tables
- Code tables
- Fiscal calendar tables
- Rate tables
- Resource tables
- Note tables

Breakdown Structure Tables

Breakdown structure tables can be shared between multiple projects in Cobra.

Cobra stores information about breakdown structures in two tables:

- BREAKDWN
- BDNDETL

Each of these tables is described in the succeeding sections.

BREAKDWN Table

The BREAKDWN table contains information about all the breakdown structures in Cobra. Each record in the BREAKDWN table represents a single breakdown structure file.

Data in the BREAKDWN table is stored in the following fields.

Field Name	Data Type	Field Description
BREAKFILE	NVARCHAR(22)	Code File
BREAK_TYPE	NVARCHAR(1)	Code Format
CODELENGTH	INTEGER	Maximum Code Length
MAX_LEVEL	INTEGER	Maximum Code Level
PAD_CHAR	NVARCHAR(1)	Punctuation Character
TH_FLAGS	NVARCHAR(10)	Threshold Flags
LEVEL1	INTEGER	Characters for Level 1
LEVEL2	INTEGER	Characters for Level 2

Field Name	Data Type	Field Description
LEVEL3	INTEGER	Characters for Level 3
LEVEL4	INTEGER	Characters for Level 4
LEVEL5	INTEGER	Characters for Level 5
LEVEL6	INTEGER	Characters for Level 6
LEVEL7	INTEGER	Characters for Level 7
LEVEL8	INTEGER	Characters for Level 8
LEVEL9	INTEGER	Characters for Level 9
LEVEL10	INTEGER	Characters for Level 10
LEVEL11	INTEGER	Characters for Level 11
LEVEL12	INTEGER	Characters for Level 12
LEVEL13	INTEGER	Characters for Level 13
LEVEL14	INTEGER	Characters for Level 14
LEVEL15	INTEGER	Characters for Level 15
LEVEL16	INTEGER	Characters for Level 16
LEVEL17	INTEGER	Characters for Level 17
LEVEL18	INTEGER	Characters for Level 18
LEVEL19	INTEGER	Characters for Level 19
LEVEL20	INTEGER	Characters for Level 20
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

BDNDETL Table

The BDNDETL table contains detailed information about all the breakdown structures in Cobra.

Data in the BDNDETL table is stored in the following fields.

Field Name	Data Type	Field Description
BREAKFILE	NVARCHAR(22)	Code File
CODE	NVARCHAR(59)	Element of Code
TAG	NCHAR(60)	Hierarchy
NUMCHILD	INTEGER	Number of Children
CODEDESC	NVARCHAR(254)	Code Description
TH_SPVF	DECIMAL(21,6)	Threshold SV Value Current Period Favorable
TH_SPVU	DECIMAL(21,6)	Threshold SV Value Current Period Unfavorable
TH_SPPF	DECIMAL(21,6)	Threshold SV % Current Period Favorable
TH_SPPU	DECIMAL(21,6)	Threshold SV % Current Period Unfavorable
TH_SCVF	DECIMAL(21,6)	Threshold SV Value Cumulative Unfavorable
TH_SCVU	DECIMAL(21,6)	Threshold SV Value Cumulative Unfavorable
TH_SCPF	DECIMAL(21,6)	Threshold SV % Cumulative Favorable
TH_SCPU	DECIMAL(21,6)	Threshold SV % Cumulative Unfavorable
TH_CPVF	DECIMAL(21,6)	Threshold CV Value Current Period Favorable
TH_CPVU	DECIMAL(21,6)	Threshold CV Value Current Period Unfavorable
TH_CPPF	DECIMAL(21,6)	Threshold CV % Current Period Favorable
TH_CPPU	DECIMAL(21,6)	Threshold CV % Current Period Unfavorable
TH_CCVF	DECIMAL(21,6)	Threshold CV Value Cumulative Unfavorable

Field Name	Data Type	Field Description
TH_CCVU	DECIMAL(21,6)	Threshold CV Value Cumulative Unfavorable
TH_CCPF	DECIMAL(21,6)	Threshold CV % Cumulative Favorable
TH_CCPU	DECIMAL(21,6)	Threshold CV % Cumulative Unfavorable
TH_CAVF	DECIMAL(21,6)	Threshold CV Value At Complete Favorable
TH_CAVU	DECIMAL(21,6)	Threshold CV Value At Complete Unfavorable
TH_CAPF	DECIMAL(21,6)	Threshold CV % At Complete Favorable
TH_CAPU	DECIMAL(21,6)	Threshold CV % At Complete Unfavorable
D1	NVARCHAR(59)	Optional Code 1
D2	NVARCHAR(59)	Optional Code 2
D3	NVARCHAR(59)	Optional Code 3
D4	NVARCHAR(59)	Optional Code 4
D5	NVARCHAR(59)	Optional Code 5
D6	NVARCHAR(59)	Optional Code 6
D7	NVARCHAR(59)	Optional Code 7
D8	NVARCHAR(59)	Optional Code 8
D9	NVARCHAR(59)	Optional Code 9
PARENT	NVARCHAR	Parent
BDN_LEVEL	INTEGER	Level
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

Field Name	Data Type	Field Description
TH_CAU_TL	NVARCHAR(10)	Threshold Logic CV At Complete Unfavorable
TH_SPF_TL	NVARCHAR(10)	Threshold Logic SV Current Period Favorable
TH_SPU_TL	NVARCHAR(10)	Threshold Logic SV Current Period Unfavorable
TH_SCF_TL	NVARCHAR(10)	Threshold Logic SV Cumulative Favorable
TH_SCU_TL	NVARCHAR(10)	Threshold Logic SV Cumulative Period Unfavorable
TH_CPF_TL	NVARCHAR(10)	Threshold Logic CV Current Period Favorable
TH_CPU_TL	NVARCHAR(10)	Threshold Logic CV Current Period Unfavorable
TH_CCF_TL	NVARCHAR(10)	Threshold Logic CV Cumulative Period Favorable
TH_CCU_TL	NVARCHAR(10)	Threshold Logic CV Cumulative Period Unfavorable
TH_CAF_TL	NVARCHAR(10)	Threshold Logic CV At Complete Favorable

Fiscal Calendar Tables

The fiscal calendar information is stored in the Cobra project folder.

Cobra stores information about fiscal calendars in three tables:

- FISCAL
- FISCDETL
- FISCHOL

Each of these tables is described in the sections that follow.

FISCAL Table

The FISCAL table contains information about all the fiscal calendar tables in Cobra. Each record in the FISCAL table represents a single calendar file.

Data in the FISCAL table is stored in the following fields.

Field Name	Data Type	Field Description
FISCFILE	NVARCHAR(22)	Fiscal Calendar Filename
PATTERN	NVARCHAR(254)	Date Pattern
DESC00	NVARCHAR(254)	Calendar 00 Description
DESC01	NVARCHAR(254)	Calendar 01 Description
DESC02	NVARCHAR(254)	Calendar 02 Description
DESC03	NVARCHAR(254)	Calendar 03 Description
DESC04	NVARCHAR(254)	Calendar 04 Description
DESC05	NVARCHAR(254)	Calendar 05 Description
DESC06	NVARCHAR(254)	Calendar 06 Description
DESC07	NVARCHAR(254)	Calendar 07 Description
DESC08	NVARCHAR(254)	Calendar 08 Description
DESC09	NVARCHAR(254)	Calendar 09 Description
DESC10	NVARCHAR(254)	Calendar 10 Description
DESC11	NVARCHAR(254)	Calendar 11 Description
DESC12	NVARCHAR(254)	Calendar 12 Description
DESC13	NVARCHAR(254)	Calendar 13 Description
DESC14	NVARCHAR(254)	Calendar 14 Description
DESC15	NVARCHAR(254)	Calendar 15 Description
DESC16	NVARCHAR(254)	Calendar 16 Description
DESC17	NVARCHAR(254)	Calendar 17 Description
DESC18	NVARCHAR(254)	Calendar 18 Description
DESC19	NVARCHAR(254)	Calendar 19 Description
DOW_HOURS	NVARCHAR(60)	Day of Week Hours
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update

Field Name	Data Type	Field Description
USR_ID	NVARCHAR(20)	User ID

FISCDETL Table

The FISCDETL table contains a record for each fiscal period in all calendar files.

Data in the FISCDETL table is stored in the following fields.

Field Name	Data Type	Field Description
FISCFILE	NVARCHAR	Fiscal Calendar Filename
FSC_DATE	DATETIME	Cut-off Date
HOURS	DECIMAL	Hours in Reporting Period
FLAG00	NVARCHAR(1)	Flag for Calendar Set 00 (*, $)
FIELD00	NVARCHAR(20)	Label for Calendar Set 00
FLAG01	NVARCHAR(1)	Flag for Calendar Set 01 (*, $)
FIELD01	NVARCHAR(20)	Label for Calendar Set 01
FLAG02	NVARCHAR(1)	Flag for Calendar Set 02 (*, $)
FIELD02	NVARCHAR(20)	Label for Calendar Set 02
FIELD03	NVARCHAR(20)	Label for Calendar Set 03
FLAG03	NVARCHAR(1)	Flag for Calendar Set 03 (*, $)
FIELD04	NVARCHAR(20)	Label for Calendar Set 04
FLAG04	NVARCHAR(1)	Flag for Calendar Set 04 (*, $)
FIELD05	NVARCHAR(20)	Label for Calendar Set 05
FLAG05	NVARCHAR(1)	Flag for Calendar Set 05 (*, $)
FIELD06	NVARCHAR(20)	Label for Calendar Set 06
FLAG06	NVARCHAR(1)	Flag for Calendar Set 06 (*, $)
FLAG07	NVARCHAR(1)	Flag for Calendar Set 07 (*, $)
FIELD07	NVARCHAR(20)	Label for Calendar Set 07
FLAG08	NVARCHAR(1)	Flag for Calendar Set 08 (*, $)

Field Name	Data Type	Field Description
FIELD08	NVARCHAR(20)	Label for Calendar Set 08
FLAG09	NVARCHAR(1)	Flag for Calendar Set 09 (*, $)
FIELD09	NVARCHAR(20)	Label for Calendar Set 09
FLAG10	NVARCHAR(1)	Flag for Calendar Set 10 (*, $)
FIELD10	NVARCHAR(20)	Label for Calendar Set 10
FLAG11	NVARCHAR(1)	Flag for Calendar Set 11 (*, $)
FIELD11	NVARCHAR(20)	Label for Calendar Set 11
FLAG12	NVARCHAR(1)	Flag for Calendar Set 12 (*, $)
FIELD12	NVARCHAR(20)	Label for Calendar Set 12
FLAG13	NVARCHAR(1)	Flag for Calendar Set 13 (*, $)
FIELD13	NVARCHAR(20)	Label for Calendar Set 13
FLAG14	NVARCHAR(1)	Flag for Calendar Set 14 (*, $)
FIELD14	NVARCHAR(20)	Label for Calendar Set 14
FLAG15	NVARCHAR(1)	Flag for Calendar Set 15 (*, $)
FIELD15	NVARCHAR(20)	Label for Calendar Set 15
FLAG16	NVARCHAR(1)	Flag for Calendar Set 16 (*, $)
FIELD16	NVARCHAR(20)	Label for Calendar Set 16
FLAG17	NVARCHAR(1)	Flag for Calendar Set 17 (*, $)
FIELD17	NVARCHAR(20)	Label for Calendar Set 17
FLAG18	NVARCHAR(1)	Flag for Calendar Set 18 (*, $)
FIELD18	NVARCHAR(20)	Label for Calendar Set 18
FLAG19	NVARCHAR(1)	Flag for Calendar Set 19 (*, $)
FIELD19	NVARCHAR(20)	Label for Calendar Set 19
USR_ID	NVARCHAR(20)	User ID
LASTUPDATE	DATETIME	Date of Last Update

Field Name	Data Type	Field Description
SEQUENCE	INTEGER	Internal Sort Order

FISCHOL Table

The FISCHOL table contains a record for each holiday defined in the calendars.

Data in the FISCHOL table is stored in the following fields.

Field Name	Data Type	Field Description
FISCFILE	NVARCHAR(22)	Fiscal Calendar Filename
HOLIDAY	DATETIME	Date of Holiday

Rate Tables

Rate tables define the multipliers used to calculate costs.

Rate tables can be shared between multiple projects in Cobra.

Cobra stores information about rates in three tables:

- RATE
- RATEDESC
- RATEDETL

Each of these tables is described in the succeeding sections.

RATE Table

The RATE table contains information about all the rate tables in Cobra. Each record in the RATE table represents a single rate file.

Data in the RATE table is stored in the following fields.

Field Name	Data Type	Field Description
RATEFILE	NVARCHAR	Rate File
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

RATEDESC

The RATEDESC table contains information about all the rate sets in each rate file in Cobra. Each record in the RATEDESC table represents a single rate set.

Data in the RATEDESC table is stored in the following fields.

Field Name	Data Type	Field Description
RATEFILE	NVARCHAR(22)	Rate File
RATE_TABLE	NVARCHAR(59)	Rate Set
RTDESC	NVARCHAR(254)	Rate Table Description
C1	NVARCHAR(59)	Code 1
C2	NVARCHAR(59)	Code 2
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

RATEDETL Table

Rates define the multipliers used to calculate costs. Each record in the RATEDETL table represents a single rate set.

Data in the RATEDETL table is stored in the following fields.

Field Name	Data Type	Field Description
RATEFILE	NVARCHAR(22)	Rate File
RATE_TABLE	NVARCHAR(59)	Rate Set
RATE_DATE	DATETIME	Rate Effective Date
RATE	DECIMAL(21,6)	Rate
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

Resource Tables

Resource tables play a major role in Cobra since they not only define the calculation of many types of costs, but also are used to determine the structure of the TPHASE table.

Resource assignment tables can be shared between multiple projects in Cobra.

Cobra stores information about resource calculations in four tables:

- CALC
- CALCDESC

- CALCDETL
- CALCFLDS

Each of these tables is described in the succeeding sections.

CALC Table

The CALC table contains information about all the resource tables in the Cobra installation. Each record in the CALC table represents a single resource file.

Data in the CALC table is stored in the following fields.

Field Name	Type	Field Description
CALCFILE	NVARCHAR(22)	Resource File
CODE_TYPE	NVARCHAR(1)	Code Type
CODELENGTH	INTEGER	Maximum Code Length
MAX_LEVEL	INTEGER	Maximum Code Level
PAD_CHAR	NVARCHAR(1)	Punctuation Character
TH_FLAGS	NVARCHAR(10)	Threshold Flag
RATEFILE	NVARCHAR(22)	Rate File
RSLTALL	NVARCHAR(250)	Result List
RSLTCURR	NVARCHAR(250)	Currency Results
LEVEL1	INTEGER	Characters for Level 1
LEVEL2	INTEGER	Characters for Level 2
LEVEL3	INTEGER	Characters for Level 3
LEVEL4	INTEGER	Characters for Level 4
LEVEL5	INTEGER	Characters for Level 5
LEVEL6	INTEGER	Characters for Level 6
LEVEL7	INTEGER	Characters for Level 7
LEVEL8	INTEGER	Characters for Level 8
LEVEL9	INTEGER	Characters for Level 9
LEVEL10	INTEGER	Characters for Level 10
LEVEL11	INTEGER	Characters for Level 11

Field Name	Type	Field Description
LEVEL12	INTEGER	Characters for Level 12
LEVEL13	INTEGER	Characters for Level 13
LEVEL14	INTEGER	Characters for Level 14
LEVEL15	INTEGER	Characters for Level 15
LEVEL16	INTEGER	Characters for Level 16
LEVEL17	INTEGER	Characters for Level 17
LEVEL18	INTEGER	Characters for Level 18
LEVEL19	INTEGER	Characters for Level 19
LEVEL20	INTEGER	Characters for Level 20
USR_ID	NVARCHAR(20)	User ID
LASTUPDATE	DATETIME	Date of Last Update
SEQUENCE	INTEGER	Internal Sort Order

CALCDESC Table

The CALCDESC table contains information about all the resources in the resource table in Cobra. Each record in the CALCDESC table represents a single resource in the file.

Data in the CALCDESC table is stored in the following fields.

Field Name	Data Type	Field Description
CALCFILE	NVARCHAR(22)	Resource File
CECODE	NVARCHAR(59)	Resource ID
CEDESC	NVARCHAR(254)	Resource Description
PARENT	NVARCHAR(59)	Parent
CE_LEVEL	INTEGER	Resource Level
TAG	NCHAR(60	Hierarchy
NUMCHILD	INTEGER	Number of Children
TH_SPVF	DECIMAL(21,6)	Threshold SV Value Current Period Favorable

Field Name	Data Type	Field Description
TH_SPVU	DECIMAL(21,6)	Threshold SV Value Current Period Unfavorable
TH_SPPF	DECIMAL(5,2)	Threshold SV % Current Period Favorable
TH_SPPU	DECIMAL(5,2)	Threshold SV % Current Period Unfavorable
TH_SCVF	DECIMAL(21,6)	Threshold SV Value Cumulative Favorable
TH_SCVU	DECIMAL(21,6)	Threshold SV Value Cumulative Unfavorable
TH_SCPF	DECIMAL(5,2)	Threshold SV % Cumulative Favorable
TH_SCPU	DECIMAL(5,2)	Threshold SV % Cumulative Unfavorable
TH_CPVF	DECIMAL(21,6)	Threshold CV Value Current Period Favorable
TH_CPVU	DECIMAL(21,6)	Threshold CV Value Current Period Unfavorable
TH_CPPF	DECIMAL(5,2)	Threshold CV % Current Period Favorable
TH_CPPU	DECIMAL(5,2)	Threshold CV % Current Period Unfavorable
TH_CCVF	DECIMAL(21,6)	Threshold CV Value Cumulative Favorable
TH_CCVU	DECIMAL(21,6)	Threshold CV Value Cumulative Unfavorable
TH_CCPF	DECIMAL(5,2)	Threshold CV % Cumulative Favorable
TH_CCPU	DECIMAL(5,2)	Threshold CV % Cumulative Unfavorable
TH_CAVF	DECIMAL(21,6)	Threshold CV Value At Complete Favorable
TH_CAVU	DECIMAL(21,6)	Threshold CV Value At Complete Unfavorable

Field Name	Data Type	Field Description
TH_CAPF	DECIMAL(5,2)	Threshold CV % At Complete Favorable
TH_CAPU	DECIMAL(5,2)	Optional Code 9
D1	NVARCHAR(59)	Optional Code 1
D2	NVARCHAR(59)	Optional Code 2
D3	NVARCHAR(59)	Optional Code 3
D4	NVARCHAR(59)	Optional Code 4
D5	NVARCHAR(59)	Optional Code 5
D6	NVARCHAR(59)	Optional Code 6
D7	NVARCHAR(59)	Optional Code 7
D8	NVARCHAR(59)	Optional Code 8
D9	NVARCHAR(59)	Optional Code 9
EOC	NVARCHAR(59)	Element of Cost
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

CALCDETL Table

The CALCDETL table contains information about each result for all resources in Cobra. Each record in the CALCDETL table represents a single result for the resource.

Data in the CALCDETL table is stored in the following fields.

Field Name	Data Type	Field Description
CALCFILE	NVARCHAR(22)	Resource File
CECODE	NVARCHAR(59)	Resource Assignment Key Field
LINE	INTEGER	Line
RESULT	NVARCHAR(10)	Result Field Being Defined
ALIAS	NVARCHAR(20)	Alias for Display

Field Name	Data Type	Field Description
UNITS	NVARCHAR(10)	Units for Measure
RATE_TABLE	NVARCHAR(59)	Rate Set
CURRNCY	NVARCHAR(1)	Currency
SORT_CODE	NVARCHAR(1)	Result Code
SOURCE1	NVARCHAR(10)	First Source Field
SOURCE2	NVARCHAR(10)	Second Source Field
SOURCE3	NVARCHAR(10)	Third Source Field
SOURCE4	NVARCHAR(10)	Fourth Source Field
SOURCE5	NVARCHAR(10)	Fifth Source Field
SOURCE6	NVARCHAR(10)	Sixth Source Field
SOURCE7	NVARCHAR(10)	Seventh Source Field
SOURCE8	NVARCHAR(10)	Eighth Source Field
SOURCE9	NVARCHAR(10)	Ninth Source Field
SOURCE10	NVARCHAR(10)	Tenth Source Field
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

CALCFLDS Table

The CALCFLDS table contains information about calculated results. Each record in the CALCFLDS table represents a single result file.

Data in the CALCFLDS table is stored in the following fields.

Field Name	Data Type	Field Description
PROGRAM	NVARCHAR(22)	Project Name
CALCFIELD	NVARCHAR(10)	Calculated Field
EXPR	NVARCHAR(250)	Expression

Field Name	Data Type	Field Description
CURRNCY	NVARCHAR(1)	Currency
SORT_CODE	NVARCHAR(1)	Result Code
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update
USR_ID	NVARCHAR(20)	User ID

Note Tables

Note tables allow you to attach multiple notes to control accounts and work packages and to organize the notes into categories.

Cobra stores note information in two tables:

- COB_CAT
- COB_NTX

Each of these tables is described in the following sections.

COB_CAT

The COB_CAT table contains information about the note categories you can define.

Data in the COB_CAT table is stored in the following fields.

Field Name	Data Type	Field Description
ROW_ID	INTEGER	Row ID
CONTEXT	NVARCHAR(30)	Table Name
CAT_ID	NVARCHAR(59)	Category Name
USR_ID	NVARCHAR(20)	User ID
SEQUENCE	INTEGER	Internal Sort Order
LASTUPDATE	DATETIME	Date of Last Update

COB_NTX Table

The COB_NTX table contains information about the note text you enter for a category.

Data in the COB_NTX table is stored in the following fields.

Field Name	Data Type	Field Description
CAT_UID	INTEGER	Category ID
TABLE_TYPE	NVARCHAR(30)	Defines where the note is attached
DIR_ID	NVARCHAR(22)	Project Name
FK_ID	INTEGER	Unique CAWP ID for note
FK_ID_CHAR	NVARCHAR(59)	Note Description
NOTE_TEXT	NTEXT/LONG NVARCHAR	Note Text
USR_ID	NVARCHAR	User ID
LASTUPDATE	DATETIME	Date of Last Update
SEQUENCE	INTEGER	Internal Sort Order

System Data

This section provides you with the updated version of all WST tables. These tables are used by several applications, such as Open Plan and Cobra.

Configuration Data

Table WST_AUDIT_LOG — Audit Log

The Audit Log table stores limited audit information pertaining to user activity in the PPM products.

Field Name	Description	Oracle Data Type	Nulls
EVENT_DATE	Date / Time of event occurrence.	DATE	NOT NULL
EVENT_ID	Event ID number 257 = Using Standard Authentication 258 = Using Windows Authentication 259 = User login 260 = Bad user name or password 265 = User not authorized for product 266 = Logins are disabled for product 267 = Product license count exceeded. 269 = User logoff 270 = Product terminated. Too many failed login attempts	NUMBER(10, 0)	NOT NULL
EVENT_TYPE	Event Type 1 = Error 2 = Warning 3 = Information 4 = Debug	NUMBER(10,0)	NOT NULL
DATA	Event Data (For future use).	LONG	NULL

Field Name	Description	Oracle Data Type	Nulls
MACHINE_ID	Computer that generated the event.	VARCHAR(15)	NOT NULL
PRD_UID	Product ID of the application that generated the event.	Number(10, 0)	NOT NULL
ROW_UID	Row Unique Identifier.	VARCHAR(22)	NOT NULL
USR_ID	User ID of user that generated the event.	VARCHAR(20)	NOT NULL

Table WST_CUSTOM_MENU — Custom Menu Items

The Custom Menu items table stores information related to custom menu items created via the Security Administrator for use in Cobra. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
ACL_UID	The unique identifier for an access control record.	VARCHAR2(22)	NOT NULL
DIR_UID	The unique identifier for the directory object record to which the access control record applies.	VARCHAR2(22)	NOT NULL
GRP_ID	The unique identifier of a group.	VARCHAR2(20)	NULL
READONLY	Determines whether the user, group, or role combination is restricted to opening the directory object in read only mode.	NUMBER(10, 0)	NOT NULL
ROL_ID	The unique identifier of a role.	VARCHAR2(20)	NULL
USR_ID	The unique identifier of a user.	VARCHAR2(20)	NULL

Table WST_DCT — Data Dictionary

The Data Dictionary table defines the columns for tables within Cobra. The structure of this table itself should never be modified. If the structure of any Cobra tables defined in the data dictionary is modified, appropriate entries or adjustments must be made to this table. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
COL_FLAGS		NUMBER(10, 0)	NOT NULL
DEL_FOREIGN_ACTION		VARCHAR2(50)	NULL
FKEY_FLD_NAME		VARCHAR2(30)	NULL
FKEY_REQUIRED		NUMBER(10, 0)	NOT NULL
FKEY_TABLE		VARCHAR2(30)	NULL
FKEY_VIRTUAL		NUMBER(10, 0)	NOT NULL
FLD_NAME	The name of a Cobra field.	VARCHAR2(30)	NOT NULL
LENGTH	The number of characters required for the field.	NUMBER(10, 0)	NOT NULL
SCALE	The number of decimal places required for the field.	NUMBER(10, 0)	NOT NULL
STRING_ID	The identifier of the field's string resources.	NUMBER(10, 0)	NOT NULL
SYS_NAME		VARCHAR2(30)	NULL
TABLE_TYPE	The three-character identifier of the table in which the field exists.	VARCHAR2(30)	NOT NULL
TYPE	The Cobra data type of the field.	VARCHAR2(4)	NOT NULL
USR_NAME	A user-defined name to be displayed for this field, overriding the name determined by the STRING_ID.	VARCHAR2(60)	NULL

Table WST_ENUM – PPM Enumeration Types

The PPM Enumeration Types table stores all enumeration types associated with fields in PPM tables. This table is not used by Cobra.

Field Name	Description	Oracle Data Type	Nulls
ENUM_CODE	Enumeration code.	VARCHAR(4)	NOT NULL

Field Name	Description	Oracle Data Type	Nulls
ENUM_ORDER	Sort order.	NUMBER(10,0)	NULL
FLD_NAME	Field name of the table.	VARCHAR(30)	NOT NULL
STRING_ID	Language resource ID.	VARCHAR(30)	NOT NULL
TABLE_TYPE	Unique table type.	VARCHAR(30)	NOT NULL

Table WST_LCK – Object Locks

The Locked Objects table maintains a list of items that are currently open within Cobra. The data dictionary table identifier for table OPP_LCK is LCK.

Field Name	Description	Oracle Data Type	Nulls
CONTEXT	Context of the lock.	VARCHAR2(22)	NULL
CONTEXT_ID	The unique identifier of a file or object which has been locked.	VARCHAR2(200)	NULL
DIR_UID	The unique identifier of the locked directory object. This value is not displayed in Cobra. The object's name (DIR_ID) is displayed instead.	VARCHAR2(22)	NOT NULL
LASTUPDATE	The date and time that the lock record was last updated.	DATE	NOT NULL
LCK_UID	The unique identifier for an object lock record. This value is not displayed in Cobra.	VARCHAR2(22)	NOT NULL
LOCKMODE	The mode in which the directory object is locked: E (Exclusive), S (Shared), R (Read Only), B (checked out to the briefcase data source), or I (checked out to the main data source).	VARCHAR(1)	NOT NULL
MACHINE_ID	The machine ID of a user associated with an object lock record.	VARCHAR2(48)	NOT NULL

Field Name	Description	Oracle Data Type	Nulls
PRD_UID	The unique identifier for a Deltek product record.	NUMBER(10, 0)	NOT NULL
ULI_UID	The identifier for the user's login, unique for each session even if for the same user.	VARCHAR(22)	NOT NULL
USR_ID	The ID of the user that has the object locked.	VARCHAR2(20)	NOT NULL

Table WST_LICN – Licenses

The Licenses table contains the list of licenses installed. This table is not used by Cobra.

Field Name	Description	Oracle Data Type	Nulls
LICN_KEY	License Key.	VARCHAR(255)	NOT NULL
LICN_UID	Unique License ID.	VARCHAR(22)	NOT NULL
PRD_UID	Unique Product ID.	NUMBER(10, 0)	NOT NULL
LICN_ORG		NVARCHAR2(60)	
LICN_CLIENT_ID		VARCHAR2(100)	

Table WST_LTYP – License Types

The License Types table contains the list of license types. This table is not used by Cobra.

Field Name	Description	Oracle Data Type	Nulls
LTYP	Unique ID of License Type.	VARCHAR(8)	NOT NULL
PRD_UID	Unique Product ID.	NUMBER(10, 0)	NULL
TYPE_NAME	Type Name.	VARCHAR(50)	NULL

Table WST_TAB – Table Names

The Table Names table provides a mapping between the 3-character data dictionary table identifier and the actual database table name. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
COTYPE	For Deltek use only.	VARCHAR2(30)	NULL
DATA_OBJ_TYPE_DESCRIP		NVARCHAR2(60)	NULL
FLAGS	For Deltek use only.	NUMBER(10, 0)	NOT NULL
PRIMARY_KEY	Not used by Cobra.	VARCHAR2(100)	NULL
PRD_UID	Deltek PPM Product ID.	NUMBER(10, 0)	NULL
TABLE_NAME	Names of the tables defined in the Cobra data dictionary (WST_DCT).	VARCHAR2(30)	NOT NULL
TABLE_TYPE	Table types defined in the Cobra data dictionary (WST_DCT).	VARCHAR2(30)	NOT NULL
VERSION		VARCHAR2(4)	NOT NULL

Table WST_UPD — User Preference Defaults

The User Preference Defaults table stores the default values for user preference information used within Cobra. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
CAT_VALUE	The value of the user preference default.	VARCHAR2(2000)	NULL
CATEGORY	The category for a user preference default record.	VARCHAR2(60)	NOT NULL
PRD_UID	The unique identifier for a Deltek product record.	NUMBER(10, 0)	NOT NULL
SECURE		NUMBER(10,0)	NOT NULL

Table WST_UPF — User Preference Settings

The User Preferences table stores all user preference information used within Cobra. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
CAT_VALUE	The value of the user preference setting.	VARCHAR2(2000)	NULL

Field Name	Description	Oracle Data Type	Nulls
CATEGORY	The category for a user preference setting.	VARCHAR2(60)	NOT NULL
DIR_UID		VARCHAR2(22)	NOT NULL
PRD_UID	The unique identifier for a Deltek product record.	NUMBER(10, 0)	NOT NULL
USR_ID	The user to whom the user preference setting applies.	VARCHAR2(20)	NOT NULL
SECURE		NUMBER(10, 0)	NOT NULL

Directory Data

Table WST_DIR — Object Directory

The Object Directory table is the master directory for all project-related data items. The data dictionary table identifier for table WST_DIR is DIR.

Field Name	Description	Oracle Data Type	Nulls
DESCRIPTION	The description of a directory object.	NVARCHAR(254)	NULL
DIR_ID	The name of a project, code, calendar, resource, or view object. In Cobra, these objects are often referred to as "files".	VARCHAR2(22)	NOT NULL
DIR_UID	A unique identifier for an object directory record.	VARCHAR2(22)	NOT NULL
LASTUPDATE	The date and time that the directory object record was last updated.	DATE	NOT NULL
OPENMODE	The mode in which the object is to be opened: Exclusive, Shared, or Read Only. The values are stored in the database as E, S, and R, respectively.	VARCHAR2(1)	NOT NULL
OWNER_ID	The user ID of the object's owner.	VARCHAR2(20)	NULL

Field Name	Description	Oracle Data Type	Nulls
SEQUENCE	Used to manage multi-user concurrency in shared mode.	NUMBER(10, 0)	NOT NULL
TABLE_TYPE	The data type of the directory object. Valid values are: CLD (calendar file), COD (code file), PRJ (project file), RCL (reporting calendar), RDS (resource file), and VUE (view file).	VARCHAR2(30)	NOT NULL
USR_ID	The user ID of the last user to update the directory object record.	VARCHAR2(20)	NOT NULL

Security Data

Table WST_ACL — Object Access Rights

The Object Access Control table stores access control information for items in the object folder table. The data dictionary table identifier for table WST_ACL is ACL.

Field Name	Description	Oracle Data Type	Nulls
ACL_UID	The unique identifier for an access control record.	VARCHAR2(22)	NOT NULL
DIR_UID	The unique identifier for the directory object record to which the access control record applies.	VARCHAR2(22)	NOT NULL
GRP_ID	The unique identifier of a group.	VARCHAR2(20)	NULL
READONLY	Determines whether the user, group, or role combination is restricted to opening the directory object in read only mode.	NUMBER(10, 0)	NOT NULL
ROL_ID	The unique identifier of a role.	VARCHAR2(20)	NULL
USR_ID	The unique identifier of a user.	VARCHAR2(20)	NULL

Table WST_GRP — Group Definitions

The Group Definitions table contains definitions of valid groups. The data dictionary table identifier for table WST_GRP is GRP.

Field Name	Description	Oracle Data Type	Nulls
CTRL_COUNTRY		NVARCHAR2(40)	NULL
DESCRIPTION	The description of a group.	VARCHAR2(60)	NULL
GRP_ID	The unique identifier of a group.	VARCHAR2(20)	NOT NULL
MANAGER	The group's manager.	VARCHAR2(20)	NULL
ROL_ID	The default role for a group.	VARCHAR2(20)	NULL

Table WST_LIC — License Exceptions

The License Exceptions table contains information about license exceptions. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
LIC_USERS		NUMBER(10, 0)	NOT NULL
LICENSE		VARCHAR2(32)	NOT NULL
LOGGED_USERS	The number of logged in users when the exception occurred.	NUMBER(10, 0)	NOT NULL
LOGINTIME	A user's last login date and time.	DATE	NOT NULL
MACHINE_ID	The machine ID of a currently logged in user.	VARCHAR2(48)	NOT NULL
PRD_UID	The unique identifier for a Deltek product record.	NUMBER(10, 0)	NOT NULL
USR_ID	The unique identifier for a user.	VARCHAR2(20)	NOT NULL

Table WST_PFA — Product Function Group Access Rights

Access rights to a product function group are assigned for each role that the administrator has defined. These access rights are stored in the Product Function Group Access Rights table.

Records in this table represent the intersection of a Role and a Product Function group and the specified access rights.

Each function group has 2 security attributes that can be controlled. The first attribute controls the visible state of securable objects in the function group as Visible or Not Visible. The second attribute controls the enabled state of securable objects in the function group as Enabled or Not Enabled.

The access attributes are stored in a single field using the following definitions: FLAG_VISIBLE Mask = 0x00000001L

0 = Not Visible 1 = Visible

FLAG_ENABLED Mask = 0x00000002L

0 = Not Enabled 1 = Enabled

These flags are independent so that a user may be granted rights to execute a command or modify a data element even if it is not displayed to the user because of the state of the visibility flag. Data in the access rights table is stored in a sparse format such that records exist only for items that do not have rights granted to them. If an item is specified as both visible and enabled, then a record does not exist in the access rights table. If an item is specified as not visible and/or not enabled, then records are placed in the access rights table. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
GRP_ID	The unique identifier of a group.	VARCHAR2(20)	NULL
PFG_UID	The unique identifier of a product function group record.	VARCHAR2(22)	NOT NULL
RIGHTS	The rights specified by the product function group access record.	NUMBER(10, 0)	NOT NULL
ROL_ID	The unique identifier of a role.	VARCHAR2(20)	NULL

Table WST_PFD — Project Function Group Detail

The Product Function Group Details table stores the associations of Securable objects to function groups. This table is used by the Security Runtime module to determine the securable objects that are controlled by a particular function group. It is not referenced by the Security administration module. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
GRP_ID	The unique identifier of a group.	VARCHAR2(20)	NULL
PFG_UID	The unique identifier of a product function group record.	VARCHAR2(22)	NOT NULL

Table WST_PFG — Product Function Group Definitions

The Product Function Group table stores a collection of one or more Securable objects that are controlled as a single item for purposes of defining access control. For instance, the user might define a function group that contains a single command. This group can then be set to define whether or not a user can execute that command. Another function group might be made up of a group of data elements that are secured as a group such as the fields that make up Activity Costs. Another function group could be defined to control the ability to update Activity Progress. This function group might contain both command and data elements to prevent the user from both displaying the progress dialog as well as changing the data elements through a spreadsheet.

As implied by their title, product function groups are defined by each product. Product function groups are also defined as applying to either a Group or a Role based on the value of the TYPE field. A TYPE field value of 0 represents a Group, a value of 1 represents a Role. Function groups defined for groups are displayed as part of the Group administration module by product. Function groups defined for Roles are displayed as part of the Role administration module by product.

Product function groups are stored in the Product Function Group table by product ID. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
DESCRIPTION	The description of the product function group.	NVARCHAR(100)	NULL
PFG_ID		VARCHAR2(44)	NULL
PFG_UID	The unique identifier of a product function group record.	VARCHAR2(22)	NULL
PRD_UID	The unique identifier for a Deltek product record.	NUMBER(10, 0)	NOT NULL
TYPE		NUMBER(10, 0)	NULL

Table WST_PRD — Installed Deltek Products

The Installed Products table stores product identifiers that are used to determine security information for each specific product. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
DESCRIPTION	The name of the installed product.	VARCHAR2(60)	NOT NULL
FLAG		NUMBER(10, 0)	NULL
INSTALLDATE	The date and time the product was installed.	DATE	NOT NULL
INSTALLEDVER_MAJ	The major version number (the portion of the version number to the left of the decimal place.	NUMBER(10, 0)	NULL
INSTALLEDVER_MIN	The minor version number (the portion of the version number to the right of the decimal place).	NUMBER(10, 0)	NULL
LICENSE	The license key for the installed product.	VARCHAR2(32)	NULL
MESSAGETEXT	A message that is to be displayed to each user upon logging into the product.	VARCHAR2(250)	NULL
MSGEXPIRE	The expiration date of the login message.	DATE	NULL
PRD_UID	The unique identifier for a Deltek product record.	NUMBER(10, 0)	NOT NULL
INSTALLEDVER _REVISION	The service pack version.	NUMBER(10, 0)	NOT NULL
INSTALLEDVER_SP		NUMBER(10, 0)	
PPM_ADMIN_COMPAT_VER		NUMBER(10, 0)	NOT NULL

Table WST_PSO — Securable Object Definition

The Securable Object Definition table stores items that products define and recognize as being able to participate in the overall security model. Securable objects can be broken down into 2 distinct groups: Data elements and Commands. Data elements represent is the persistent properties of an object that are typically stored as fields on a database table. Commands are operations that can be executed by the user - these are most analogous to the menu options available in each product. Securable objects are stored on the table by Product ID. The securable object table enumerates all items that the product exposes as securable. This table is not defined in the Cobra data dictionary, and its structure must not be changed.

Field Name	Description	Oracle Data Type	Nulls
OBJ_UID		VARCHAR2(60	NOT NULL
PRD_UID	The unique identifier for a Deltek product record.	NUMBER(10, 0)	NOT NULL

Table WST_ROL — Role Definitions

Roles are used to specify access rights against product function groups. The Security Role Definition table contains the definitions of the Security roles. The data dictionary table identifier for table WST_ROL is ROL.

Field Name	Description	Oracle Data Type	Nulls
DESCRIPTION	The description of a role.	VARCHAR2(60)	NULL
MANAGER	The role's manager.	VARCHAR2(20)	NULL
ROL_ID	The unique identifier of a role.	VARCHAR2(20)	NOT NULL
OWNER_DELEGATE		Owner Delegate	

Table WST_UPA — User Product Access Control

The User Product Access Control table stores information about which products user are permitted to run. The data dictionary table identifier for table WST_UPA is UPA.

Field Name	Description	Oracle Data Type	Nulls
FLAGS		NUMBER(10, 0)	NOT NULL
PRD_UID	The unique identifier for a Deltek product record.	NUMBER(10, 0)	NOT NULL
USR_ID	The unique identifier of a user.	VARCHAR2(20)	NOT NULL
LICN_UID	Not used by Cobra.	VARCHAR2(22)	NULL

Table WST_USG — User-group Assignment

The User-Group Assignment table contains the associations of users to groups. The data dictionary table identifier for table WST_USG is USG.

Field Name	Description	Oracle Data Type	Nulls
GRP_ID	The unique identifier of a group.	VARCHAR2(20)	NOT NULL

Field Name	Description	Oracle Data Type	Nulls
USG_UID	The unique identifier for a user-group association record.	VARCHAR2(22)	NULL
USR_ID	The unique identifier of a user.	VARCHAR2(20)	NOT NULL

Table WST_USR — User Definitions

The User Definitions table contains definitions of valid users. The data dictionary table identifier for table WST_USR is USR.

Field Name	Description	Oracle Data Type	Nulls
ACT_COMPARE		VARCHAR2(4)	NULL
ACT_FIELD		VARCHAR2(30)	NULL
ACT_RULE		NUMBER(10, 0)	NULL
ACT_VALUE		VARCHAR2(30)	NULL
ACTIVE		NUMBER(10, 0)	NOT NULL
ADDRESS1	The user's address.	VARCHAR2(60)	NULL
ADDRESS2	Second line in the user's address.	VARCHAR2(60)	NULL
ALTMANAGER	The user's alternate manager.	VARCHAR2(20)	NULL
AUTHTYPE		NUMBER(10, 0)	NOT NULL
CITY	The user's city.	VARCHAR2(40)	NULL
COMMENTS	Comments for the user record.	VARCHAR2(255)	NULL
COUNTRY	The user's country.	VARCHAR2(40)	NULL
DELEGATE		NVARCHAR2(20)	NULL
DEPARTMENT	The user's department.	VARCHAR2(60)	NULL
DESCRIPTION	A description of the user's account.	VARCHAR2(60)	NULL

Field Name	Description	Oracle Data Type	Nulls
EMAIL	The user's email address.	VARCHAR2(60)	NULL
FAILED_LOGINS		NUMBER(10, 0)	NOT NULL
FAX	The user's fax number.	VARCHAR2(20)	NULL
FILTER		VARCHAR2(10)	NULL
FIRST_NAME	The user's first name.	VARCHAR2(50)	NULL
ISOUTOFOFFICE		NVARCHAR2(1)	NOT NULL
LAST_NAME	The user's last name.	VARCHAR2(50)	NULL
LOCATION	The user's location.	VARCHAR2(60)	NULL
MANAGER	The user's manager.	VARCHAR2(20)	NULL
PASSWD	The user's encrypted password.	VARCHAR2(178)	NULL
PHONE	The user's phone number.	VARCHAR2(20)	NULL
PWD_LASTUPDATE		DATE	NOT NULL
ROL_ID	The users default Role.	VARCHAR2(20)	NULL
STATE	The user's state.	VARCHAR2(40)	NULL
USR_ID	The user's ID.	VARCHAR2(20)	NOT NULL
DOMAIN		VARCHAR(80)	

Common WST Tables not used by Cobra

Table WST_CFG

Field Name	Description	Oracle Data Type	Nulls
CFG_UID		VARCHAR(22)	NOT NULL
SEQUENCE		NUMBER(10, 0)	NOT NULL
PRD_UID		NUMBER(10, 0)	NOT NULL
CFG_TYPE		VARCHAR2(30)	NOT NULL

Field Name	Description	Oracle Data Type	Nulls
CFG_ID		NVARCHAR2(60)	NOT NULL
OWNER_ID		NVARCHAR2(20)	NULL
USR_ID		NVARCHAR2(20	NOT NULL
LASTUPDATE		DATE	NOT NULL
DESCRIPTION		NVARCHAR2(254)	NULL
DATA		LONG	NULL

Table WST_FILE

Field Name	Description	Oracle Data Type	Nulls
FILE_UID		VARCHAR2(22	NOT NULL
FK_UID		VARCHAR2(22)	NOT NULL
LASTUPDATE		DATE	NOT NULL
OWNER_ID		NVARCHAR2(20)	NOT NULL
TABLE_TYPE		VARCHAR2(30)	NOT NULL
FILE_NAME		NVARCHAR2(255)	NOT NULL
FILE_DATA		BLOB	NOT NULL

Table WST_MESSAGE_QUEUE

Field Name	Description	Oracle Data Type	Nulls
MESSAGE_UID		VARCHAR2(22)	NOT NULL
SEQUENCE		NUMBER(10,0)	NOT NULL
LASTUPDATE		DATE	NOT NULL
MESSAGE_STATUS		VARCHAR2(4)	NOT NULL
QUEUE_SERVER		VARCHAR2(15)	NOT NULL
USR_ID		NVARCHAR2(20)	NOT NULL

Table WST_PROCESSLOG

Field Name	Description	Oracle Data Type	Nulls
ROW_UID		VARCHAR2(22)	NOT NULL
PARENT_UID		VARCHAR2(22)	
PRD_UID		NUMBER(10, 0)	NOT NULL
PERCENTCOMPLETE		NUMBER(10, 0)	NOT NULL
ERRORCOUNT		NUMBER(10, 0)	
WARNINGCOUNT		NUMBER(10, 0)	
USER_ABORT		NUMBER(10, 0)	NOT NULL
STARTDATE		TIMESTAMP	
FINISHDATE		TIMESTAMP	
LASTUPDATE		TIMESTAMP	
PROCESS_ID		VARCHAR2(30)	NOT NULL
USR_ID		NVARCHAR2(20)	NOT NULL
DIR_ID		NVARCHAR2(22)	
TABLE_TYPE		VARCHAR2(30)	
LOGFILENAME		NVARCHAR2(254)	
PROGRESS_TEXT		NVARCHAR2(254)	

Appendix A: If You Need Assistance

If you need assistance installing, implementing, or using Cobra, Deltek makes a wealth of information and expertise readily available to you.

Customer Services

Deltek has always maintained close relationships with client firms, helping with their problems, listening to their needs, and getting to know their individual business environments. A full range of customer services has grown out of this close contact, including the following:

- Extensive self-support options through the Deltek Support Center
- Phone and email support from Deltek Customer Success analysts
- Technical services
- Consulting services
- Custom programming
- Classroom, on-site, and web-based training

Attention: Find out more about these and other services from the Deltek Support Center.

Deltek Support Center

The Deltek Support Center is a support Web site for Deltek customers who purchase an Ongoing Support Plan (OSP).

The following are some of the many options that the Deltek Support Center provides:

- Search for product documentation, such as release notes, install guides, technical information, online help topics, and white papers
- Ask questions, exchange ideas, and share knowledge with other Deltek customers through the Deltek Support Center Community
- Access Cloud-specific documents and forums
- Download the latest versions of your Deltek products
- Search Deltek's knowledge base
- Submit a support case and check on its progress
- Transfer requested files to a Deltek Customer Success analyst
- Subscribe to Deltek communications about your products and services
- Receive alerts of new Deltek releases and hot fixes
- Initiate a Chat to submit a question to a Deltek Customer Success analyst online

Attention: For more information regarding Deltek Support Center, refer to the online help available from the website.

Access Deltek Support Center

To access the Deltek Support Center:

1. Go to https://deltek.custhelp.com.
2. Enter your Deltek Support Center **Username** and **Password**.
3. Click **Login**.

> **Note:** If you forget your username or password, you can click the **Need Help?** button on the login screen for help.

Additional Documentation

The following table lists the Deltek documentation available for this release. Except where noted, all the user guides and quick reference guides listed in this table are available for download from the Deltek Support Center.

Document Name	Description
Cobra 8.6 Help System	The online help contains detailed information and instructions on how to use Cobra's various features.
Cobra 8.6 Release Notes	This document contains important information concerning the installation and use of the product, and describes outstanding issues.
Cobra 8.6 Installation Guide	The Installation Guide provides step-by-step procedures on how to install the application. It also provides information about the software and hardware requirements of the product.

About Deltek

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