Infor Expense Management Data Dictionary

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Data Dictionary

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The data dictionary can be referred as a document describing the database or a collection of databases.

This is a centralized repository of information about data such as meaning, relationships to other data, origin, usage, and format. These data dictionary tables are used to define the actions that must be taken by the system administrators on the database, using the Infor Expense Management System Administration Tool.

Note: The new columns, added to the tables, are highlighted and the deleted columns are removed.

You can use the Infor Expense Management System Administration Tool to add, modify, and delete:

- Users
- Groups
- Corporate Data
- Business Rules
- Work Items
- Servers (you can only view the log data for background process and administrator)

alat_action

This table defines the actions which can be taken by administrators using the System Administration Tool.

Table 1: Attributes

Column	Type	Null	Description
action_id	INTEGER	NOT NULL	id
action_name	CHAR (30)	NOT NULL	The name of the action Examples: 'User Info Updated'

Table 2: Keys

Key Name	Key Type	Keys
PK__ala07F6335A	Primary Key	action_id

Table 3: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alat_action	alat_admin_log	3	action_id

alat_admin_log

This table stores the log of actions taken by administrators using the System Administration Tool.

Table 4: Attributes

Column	Type	Null	Description
admin_log_id	INTEGER	NOT NULL	id
admin_log_date	DATETIME	NOT NULL	The date and time the action was taken.
admin_log_user_id	INTEGER	NULL	
admin_log_action_id	INTEGER	NULL	
admin_log_data_id	INTEGER	NULL	Id of data object action was taken on.
admin_log_description	VARCHAR (255)	NULL	Description of action taken Example: 'Updated user Jane Z. smith'
admin_log_bob_type	INTEGER	NULL	Bob type of the data object action was taken on.

Table 5: Keys

Key Name	Key Type	Keys
PK__ala09DE7BCC	Primary Key	admin_log_id
XIF798admin_log	Inversion Entry	admin_log_user_id
XIF799admin_log	Inversion Entry	admin_log_action_id
XIF800admin_log	Inversion Entry	admin_log_data_id

Table 6: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alat_action	alat_admin_log	3	action_id
alco_user	alat_admin_log	3	user_id

alat_corpdata_type

This table defines the types of corporate data that the System Administration Tool can modify on the Corporate Data Panel.

Table 7: Attributes

Column	Type	Null	Description
corpdata_type_id	INTEGER	NOT NULL	id
corpdata_type_name	CHAR (30)	NOT NULL	The name of the corporate data type, for display purposes.
corpdata_type_bob_type	INTEGER	NOT NULL	
corpdata_type_panel_id	INTEGER	NOT NULL	
corpdata_type_active_status	SMALLINT (5)	NOT NULL	Indicates whether the entry is active or has been deactivated. • 0 = deactivated • 1 = active
field_attribute_id	INTEGER	NULL	This value links the corporate data type to the appropriate set of field attributes. Of course, this value must also correspond to the panelId attached to the corporate data type.
app_id_bit_field	INTEGER	NOT NULL	Bitfield of values defined in class largesoft.sys.AppInfo: EXPENSE_REPORTS_BIT = 1 TRAVEL_REQUESTS_BIT = 2 TIMESHEETS_BIT = 4 PURCHASE_REQUISITIONS_BIT = 8
corpdata_bulk_editable	SMALLINT (5)	NULL	This data type be bulk edited (meaning changing a set of rows simultaneously) in the sat corp data screen
br_event_id	INTEGER	NULL	bob id (BR_EVENT)

Table 8: Keys

Key Name	Key Type	Keys
PK__ala0BC6C43E	Primary Key	corpdata_type_id

Table 9: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	alat_corpdata_type	1	bus_obj_type_id
alct_control_defn	alat_corpdata_type	1	control_defn_id
albr_event	alat_corpdata_type	3	br_event_id

alat_menu_item

This table defines the menu structure for the System Administrator Tool

Table 10: Attributes

Column	Type	Null	Description
menu_item_id	INTEGER	NOT NULL	ID of the parent control for this menu item. if this has a value, choosing this menu item causes a main panel to be displayed (FK to alct_control_defn).
menu_item_parent_id	INTEGER	NULL	ID of the parent menu item. If this has a value it implies that this record is for a submenu).
menu_item_panel_id	INTEGER	NULL	
menu_item_image_id	INTEGER	NULL	ID of click image button control for this menu. If this has a value, it implies that this record is for a top-level menu item, which appears in the banner screen. (FK to alct_control_defn)
menu_item_name	CHAR (30)	NULL	Name of menu item. If this is a submenu item, this name will appear in

Column	Type	Null	Description
			the pop-up menu. The name is also used in the main screen callback to map menu choice to submenu or main panel.
menu_item_active_status	SMALLINT (5)	NULL	is item active?
resource_id	INTEGER	NULL	id

Table 11: Keys

Key Name	Key Type	Keys
PK__ala0DAF0CB0	Primary Key	menu_item_id

Table 12: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_resource	alat_menu_item	3	resource_id
alct_control_defn	alat_menu_item	3	control_defn_id

alat_panel_defn

This table allows SAT screens to be defined in the database. This is associated with the HtmlPanelDefn component.

Attributes

Column	Type	Null	Description
panel_defn_id	INTEGER	NOT NULL	the uid
panel_type	INTEGER	NOT NULL	the panel type (1=primary information, 2=additional information)
sequence	INTEGER	NOT NULL	the field order (low numbers come before higher numbers)
bob_type	INTEGER	NOT NULL	the fields bob type (this is mainly used to look up field attributes)

Column	Type	Null	Description
element	VARCHAR (255)	NOT NULL	the fields bob element (this is mainly used to look up field attributes)
value_ref	VARCHAR (255)	NOT NULL	the form property from which the field gets/sets its value
label	VARCHAR (255)	NOT NULL	the field label (should be a resource key)
control_type	VARCHAR (255)	NULL	the field type (uses constants defined in largesoft.tools.deploy.common.DTConstants)
converter	VARCHAR (255)	NULL	the optional jsp converter
select_items	VARCHAR (255)	NULL	the name of the jsp select items bean used for dropdown components
chooser	VARCHAR (1020)	NULL	the optional chooser button arguments (see HtmlPanelDefn for format details)
tooltip	VARCHAR (255)	NULL	the tooltip (should be a resource key)
pfa_module_id	INTEGER	NULL	the field attribute module
visible	VARCHAR (510)	NULL	an optional jsp-style expression to set visible state (overrides field attributes)
disabled	VARCHAR (510)	NULL	an optional jsp-style expression to set enabled state (overrides field attributes)
mask	VARCHAR (255)	NULL	the optional field mask
bulk_edit	SMALLINT (5)	NOT NULL	whether the field can be bulk edited
active_status	SMALLINT (5)	NOT NULL	the active status
change_timestamp	DATETIME	NULL	

Table 13: Keys

Key Name	Key Type	Keys
PK526	Primary Key	panel_defn_id

Table 14: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

albr_br_violation

Each row is a business rule violation for some item in the application suite.

Table 15: Attributes

Column	Type	Null	Description
brv_id	INTEGER	NOT NULL	id
brv_message	VARCHAR (510)	NULL	message displayed to user, like 'out of policy car size'
brv_severity	INTEGER	NULL	Value 1 = warning value 2 = explanation required value 3 = stop
brv_bob_type_elem	VARCHAR (255)	NULL	N/A
brv_bob_uid_elem	VARCHAR (255)	NULL	N/A
brv_fixed	CHAR (8)	NULL	
brv_rule_id	INTEGER	NULL	identifies business rule definition see albr_defn
brv_is_approved	SMALLINT (5)	NULL	0 or null = not marked 1 = yes 2 = no
doc_id	INTEGER	NULL	id of document this exception is associated with, can be any document in application suite
brv_explanation	LONG VARCHAR (18)	NULL	user explanation for violation
doc_type	INTEGER	NULL	
brv_bob_uid	INTEGER	NULL	identifies violating line item

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	
review_policy_id	INTEGER	NULL	Used by EBL. The review policy that has been violated - points to alps_review_policies table
online_only_violation	SMALLINT (5)	NULL	status flags for the violation, bit 0 will be set once an online only business rule has been run during the upload process.

Table 16: Keys

Key Name	Key Type	Keys
PK__alb0F975522	Primary Key	brv_id
XIE1albiolation	Inversion Entry	brv_bob_uid

Table 17: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

albr_defn

A business rule corresponds to a company policy that defines a valid submission.

Table 18: Attributes

Column	Type	Null	Description
rule_defn_id	INTEGER	NOT NULL	bob id of a BR_DEFN bob.
rule_title	VARCHAR (255)	NOT NULL	Title identifies this business rule definition
class_name	VARCHAR (255)	NOT NULL	The name of the class upon which the rule is based - the Java code that runs using an "execute" method
rule_created_date	DATETIME	NULL	The date when the rule is created
rule_description	VARCHAR (510)	NULL	A description of the rule used for internal documentation

Column	Type	Null	Description
rule_policy	LONG VARCHAR (18)	NULL	The company policy that is enforced by this rule. This is displayed when **Policy** button is pressed. Note that output parameter values can be substituted where needed. '%%20000:maxAmount%%' means to substitute maxAmount once calculated. The matching parameter is found in albr_parameter.param_name. (The '20000' is required but not used - this refers to the type of business object - 20000 = Business Rules.)
process_document	INTEGER	NULL	If this is 1, you must not fire business rule violation if current item (a bob) has children of type, 'rule_scope'.
rule_scope	INTEGER	NULL	If process_document is one, you must not fire this rule when current bob has children of type, rule_scope
rule_notify	INTEGER	NULL	Whether the rule is interactive (dialog box appears) and/or reported (violation is retained with the document).
rule_interact_msg	VARCHAR (510)	NULL	The message that is displayed interactively to the traveler if the rule is violated
rule_report_msg	VARCHAR (510)	NULL	This is used in note when approver accepts or rejects a violation. This is also displayed in printed reports
rule_severity	INTEGER	NULL	Determines the severity and effect of a rule violation. • 0 stops the action (eg, prevents submission) • 1 allows the action provided an explaination is provided • 2 warns the user but allows the action
rule_category	INTEGER	NULL	Whether the rule fires every time (0), or only once (1)
rule_active_status	SMALLINT (5)	NOT NULL	Whether the business rule is active.
template_id	INTEGER	NULL	
external_system_id	VARCHAR (255)	NULL	Identifies business rules that are installed by an external system, since they may not know the primary key

Column	Type	Null	Description
fire_mode	INTEGER	NULL	Some rules require data which may not have been moved to an offline client, so these rules cannot work offline correctly. These rules are delayed until the document is moved back online. These are the values: • Value null or 0 - Fire regardless of offline or online • Value 1- Fire online only • Value 2 - Fire offline only
server_side	SMALLINT (5)	NOT NULL	• 0 means the rule executes in the client jvm • 1 means that the rule executes in the appserver jvm
change_timestamp	DATETIME	NULL	time of last update
has_own_dialog	SMALLINT (5)	NULL	Associates the br with an application, if appropriate: • 1 is custom dialog • 2 is admin tool • 3 is expense reports • 4 is travel requests • 5 is timesheets • 6 is purchase req • 7 is hand held conduits
script_id	INTEGER	NULL	Bob Id for the script, which contains javascript code that tests the validity
routing_type_id	INTEGER	NULL	
brv_visibility	INTEGER	NULL	A bit mask for who can see the violation. bit 1 = creator bit 2 = charge code reviewer bit 3 = manager bit 4 = auditor

Table 19: Keys

Key Name	Key Type	Keys
PK__alb117F9D94	Primary Key	rule_defn_id
XIF654albr_defn	Inversion Entry	template_id

Table 20: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
albr_template	albr_defn	3	template_id
albr_script	albr_defn	3	script_id
alco_routing_type	albr_defn	3	routing_type_id
albr_defn	albr_instance	1	rule_defn_id

albr_event

Identifies events that occur in applications. The code calls an execute method with an identifier from this table to signal the action that has occurred, and which bob must be validated. The rule engine uses that data to retrieve the appropriate instance to execute.

Table 21: Attributes

Column	Type	Null	Description
br_event_id	INTEGER	NOT NULL	bob id (BR_EVENT)
event_hook_type	SMALLINT (5)	NOT NULL	
event_name	VARCHAR (255)	NULL	Name that describes event, similar to Update ER Line item
is_appsrv_hook	SMALLINT (5)	NOT NULL	not used
is_record_hook	SMALLINT (5)	NOT NULL	not used
is_element_hook	SMALLINT (5)	NOT NULL	not used
doc_type	INTEGER	NOT NULL	Associates an event with a document type (like er, tp, and so on), used by sat, may be others
change_timestamp	DATETIME	NULL	
app_id_bit_field	INTEGER	NOT NULL	Bitfield of values defined in class largesoft.sys.AppInfo: EXPENSE_RE-PORTS_BIT = 1 TRAV-EL_REQUESTS_BIT = 2 TIMESHEETS_BIT = 4 PURCHASE_REQUISI-TIONS_BIT = 8

Table 22: Keys

Key Name	Key Type	Keys
PK__alb15502E78	Primary Key	br_event_id

Table 23: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
albr_event	albr_instance	3	br_event_id
albr_event	alwf_activity_transition	3	br_event_id

albr_fire_stamp

The table used to track business rules that are fired on a specific document.

Table 24: Attributes

Column	Type	Null	Description
br_fire_stamp_id	INTEGER	NOT NULL	bobid, a unique number, that serves as the PK
parent_id	INTEGER	NOT NULL	The id of the document on which the business rule is fired
parent_id_type	SMALLINT (5)	NOT NULL	The type of document specified by the parent_id. Example - 101 for Expense Report type.
br_instance_id	INTEGER	NOT NULL	Instance id of the business rule that is fired.
br_stamp_flag	INTEGER	NULL	Extra information to store about the business rule. Currently set to 0. This changes in the future.

Table 25: Keys

Key Name	Key Type	Keys
PK__alb173876EA	Primary Key	br_fire_stamp_id
parent_id_index	Inversion Entry	parent_id

Table 26: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

albr_instance

Each row represents an instance, a realization of a business rule (BR). This table expresses the relationship between business definitions, the parameters for the rule, and the people the rule applies to. For example albr_defn specifies a business rule, but this is not run unless listed in this table.

Table 27: Attributes

Column	Type	Null	Description
br_instance_id	INTEGER	NOT NULL	bob id (BR_INSTANCE)
rule_defn_id	INTEGER	NOT NULL	What rule to run (FK to albr_defn)
br_event_id	INTEGER	NULL	When to run it (FK to albr_event (can be null))
bus_obj_type_id	INTEGER	NOT NULL	What type of bob type this BR is to run on (FK to almt_bob_type_table)
triggering_element	VARCHAR (255)	NULL	The bob element that triggers this instance. NOT CURRENTLY USED
execution_seq	INTEGER	NOT NULL	Use if multiple rules are specified for a bob-type
change_timestamp	DATETIME	NULL	
active_status	SMALLINT (5)	NOT NULL	turns this instance on or off

Table 28: Keys

Key Name	Key Type	Keys
PK__alb1920BF5C	Primary Key	br_instance_id
XIF652ainstance	Inversion Entry	br_event_id
XIF653ainstance	Inversion Entry	rule_defn_id
XIF742ainstance	Inversion Entry	bus_obj_type_id

Table 29: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	albr_instance	1	bus_obj_type_id
albr_defn	albr_instance	1	rule_defn_id
albr_event	albr_instance	3	br_event_id
albr_instance	albr_organization_br	1	br_instance_id
albr_instance	albr_parameter	3	br_instance_id

albr_organization_br

This table can restrict the scope of a BR, based on the organizational affiliations of the current user.

Table 30: Attributes

Column	Type	Null	Description
br_organization_id	INTEGER	NOT NULL	id
br_instance_id	INTEGER	NOT NULL	instance of business rule the organization uses
department_id	INTEGER	NULL	id of departement, can be null
division_id	INTEGER	NULL	id of division, can be null
company_id	INTEGER	NULL	id of company, can be null
active_status	SMALLINT (5)	NOT NULL	organ. is active or not
change_timestamp	DATETIME	NULL	
segment_id	INTEGER	NULL	foreign key to alco_cost_center_segment

Table 31: Keys

Key Name	Key Type	Keys
PK__alb1B0907CE	Primary Key	br_organization_id
XAK1albation_br	Alternate Key	br_instance_id, department_id, division_id, company_id, segment_id

Table 32: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
albr_instance	albr_organization_br	1	br_instance_id
alco_department	albr_organization_br	3	department_id
alco_division	albr_organization_br	3	division_id
alco_company	albr_organization_br	3	company_id
alco_cost_center_seg-ment	albr_organization_br	3	segment_id

albr_parameter

Each row in this table defines a single parameter. This is passed to instantiated BR's as a set of parameters.

Table 33: Attributes

Column	Type	Null	Description
br_parameter_id	INTEGER	NOT NULL	id
br_instance_id	INTEGER	NULL	FK into albr_instance - what instance is this for
param_order	INTEGER	NULL	The order this parameter is to be used by the br-instance
param_type	CHAR (2)	NULL	The first char is the type (s = string, i = int, c = currency, d = date, f = float), the second char is how to use it (v = literal, e = element, '=' = operator, & = comparator, o = for output).
param_name	VARCHAR (255)	NULL	Identifies parameters in output strings. This value cannot be null, except for 'opcode'. This value must be unique within any br-instance.
string_value	VARCHAR (255)	NULL	When the param_type first char is 's', the value is here. The majority of br_parameters are strings. The param_type second char determines how to use this. If this is an element ('e'), then this is the bob element. If this is a literal ('v') then this is the string to compare something with. If this is an operator ('=') or compartor ('&'), then this is the operation - see below for the

Column	Type	Null	Description
			opcode. If this is an output parameter ('o'), then this is the string that specifies where the output value must be placed in in the br definition.
int_value	INTEGER	NULL	This is the value when the first char of 'param_type' is 'i'.
float_value	FLOAT (8)	NULL	This is the value when the first char of 'param_type' is 'f'.
date_value	DATETIME	NULL	This is the value when the first char of 'param_type' is 'd'.
money_value	NUMERIC (20)	NULL	This is the value when the first char of 'param_type' is 'c'.
money_value_id	INTEGER	NULL	id of currency (for the 'money_value') field
corp_data_name	VARCHAR (65)	NULL	Reference name for use in admin tool
active_status	SMALLINT (5)	NOT NULL	
hours_value	NUMERIC (14)	NULL	
change_timestamp	DATETIME	NULL	
gmt_date_value	DATETIME	NULL	

Table 34: Keys

Key Name	Key Type	Keys
PK__alb1CF15040	Primary Key	br_parameter_id
XAK1albarameter	Alternate Key	br_instance_id, param_order

Table 35: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
albr_instance	albr_parameter	3	br_instance_id

albr_parameter_info

This is used by the admin tool to construct postfix business rules. Each row represents a postfix parameter pass to an instance of a business rule.

Table 36: Attributes

Column	Type	Null	Description
br_parameter_id	INTEGER	NOT NULL	
br_parent_id	INTEGER	NULL	br_parameter id that is the row is an example of, for example 1 may be logical operators and children of 1 are <and> or <or>
param_name	CHAR (32)	NULL	Name of this operator or group of operators
param_type	CHAR (2)	NULL	How this operator is coded in actual albr_parameter, similar to se
param_element	VARCHAR (255)	NULL	The element used to store the value in albr_parameter
param_value	CHAR (20)	NULL	This provides operator logical value in some cases, might be how the formula is displayed to the user
change_timestamp	DATETIME	NULL	

Table 37: Keys

Key Name	Key Type	Keys
PK__alb1ED998B2	Primary Key	br_parameter_id

Table 38: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

albr_parameter_template

Each row in this table defines the configuration of single parameter for a meta data driven template. This is passed to callback largesoft.admin.ui.br.templates.MetaDataBRTemplateCB in the SAT to define the mapping of parameters to UI controls.

Table 39: Attributes

Column	Type	Null	Description
br_parameter_template_id	INTEGER	NOT NULL	
template_id	INTEGER	NULL	id of template for editing business rule
param_order	INTEGER	NULL	The order this parameter must be used by the br-instance
param_type	CHAR (2)	NULL	The first char is the type (s = string, i = int, c = currency, d = date, f = float), the second char is how to use it (v = literal, e = element, = is operator, & = comparator, o = for output). If the second char is v, the value may either be coded in this record in the appropriate field, or may be populated from a control specified in the TEMPLATE_CONTROL_ID column.
param_name	VARCHAR (255)	NULL	Identifies the parameters in output strings. This value cannot be null except for opcode. This value must be unique within any given br-instance. **Note:** This is critical that names do not end in a number. Names that end in a number are used to identify repeating sets (when multiple values come from a GridSet)
string_value	VARCHAR (255)	NULL	When the param_type first char is (s), the value is here. The majority of br_parameters are strings. The param_type second char determines how to use this. If this is an element (e), then this is the bob element. If this is a literal (v) then this is usually the string to compare something with. If this is an operator (=) or compartor (&), then this is the operation. If this is an output parameter (o), then this is the string that specifies where the output value must be placed in the br definition.
int_value	INTEGER	NULL	
float_value	FLOAT (8)	NULL	
date_value	DATETIME	NULL	
money_value	NUMERIC (20)	NULL	
money_value_id	INTEGER	NULL	
hours_value	NUMERIC (14)	NULL	

Column	Type	Null	Description
corp_data_name	VARCHAR (65)	NULL	The reference name for use in admin tool. This is either of the format for using bob refs: 800:expenseType, where the bob type is before the colon and the element name to use is after the colon. Or this may just be a display name for the param for use in the admin tool for displaying in the message boxes. This can be a resource, of the form @@EM1234.
control_id	INTEGER	NULL	If not null, then the control value is used to create br_parameter records, provided that the data_type value is null in this record. Otherwise, a non-null value is used for grouping with the multi-value GridSet widget.
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
gmt_date_value	DATETIME	NULL	

Table 40: Keys

Key Name	Key Type	Keys
PK__alb20C1E124	Primary Key	br_parameter_template_id
XAK1albparmtemp	Alternate Key	template_id, param_order

Table 41: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
albr_template	albr_parameter_template	3	template_id

albr_script

This table contains the script for a JavaScript Business Rule.

Table 42: Attributes

Column	Type	Null	Description
script_id	INTEGER	NOT NULL	Bob Id for the script
script_text	LONG VARCHAR (18)	NOT NULL	Business Rule Script Text

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	Change timestamp for the row

Table 43: Keys

Key Name	Key Type	Keys
PK393	Primary Key	script_id

Table 44: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
albr_script	albr_defn	3	script_id
albr_script	albr_template	3	script_id

albr_template

This table is used to define business rule templates, which are building blocks of business rules. For example, 'check for Preferred Vendor' which can be used to create check for preferred car rental, and so on.

Table 45: Attributes

Column	Type	Null	Description
template_id	INTEGER	NOT NULL	id
template_name	VARCHAR (255)	NOT NULL	Display name of template
template_class	VARCHAR (255)	NOT NULL	java class that is executed on the client when the rule fires, this is the rule itself
template_apps	INTEGER	NULL	The applications for which this template applies, not used, duplicates flag in event
template_param_panel_id	INTEGER	NULL	Control panel used to edit in SAT
template_active_status	SMALLINT (5)	NOT NULL	Active status
template_triggers	VARCHAR (512)	NULL	Colon separated list of events that this template refers to
server_side	SMALLINT (5)	NOT NULL	1 means template describes server side rule 0 means client side

Column	Type	Null	Description
script_id	INTEGER	NULL	Bob Id for the script
rule_description	VARCHAR (510)	NULL	
rule_policy	LONG VARCHAR (18)	NULL	
rule_interact_msg	VARCHAR (510)	NULL	
rule_report_msg	VARCHAR (510)	NULL	

Table 46: Keys

Key Name	Key Type	Keys
PK__alb22AA2996	Primary Key	template_id

Table 47: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_control_defn	albr_template	3	control_defn_id
albr_script	albr_template	3	script_id
albr_template	albr_defn	3	template_id
albr_template	albr_parameter_template	3	template_id

alcc_card

This table lists all the company credit cards that are used by the system. This is populated in two ways:

- When credit card info is downloaded, that includes information about the credit cards that are used. If the credit card import utility cannot find a matching card number, this creates a new record.
- By the SAT, where new cards can be specified. This is the preferred method, since this includes the information of which employee is attached to which card.

Column	Type	Null	Description
ccard_id	INTEGER	NOT NULL	PK
cc_processor_id	INTEGER	NULL	FK into processor table. Identifies the company thorugh which the card is is-sued
user_id	INTEGER	NULL	FK into user table. Identifies which user is the card holder.
ccard_account	VARCHAR (255)	NOT NULL	Credit or charge card account number
ccard_name1	VARCHAR (255)	NULL	The first name line from the card

Column	Type	Null	Description
ccard_name2	VARCHAR (255)	NULL	The second name line from the card
ccard_address1	VARCHAR (255)	NULL	The first address line on the card
ccard_address2	VARCHAR (255)	NULL	The second address line on the card
is_paid_by_company	SMALLINT (5)	NULL	• Value 0 = traveler pays credit card company (IBIP) • Value 1 = company pays credit card bill. (IBCP)
ccard_limit_id	INTEGER	NULL	CFK. Currency code for the following field
ccard_limit	NUMERIC (20)	NULL	The credit card limit
ccard_issuer	VARCHAR (255)	NULL	The name of the card, from the user's point of view
payment_type_id	INTEGER	NULL	BobID of payment type associated with card, Example: 'company paid' payment type.
ccard_active_status	SMALLINT (5)	NOT NULL	ASF - Indicates whether the card is active.
ccard_deactive_date	DATETIME	NULL	The date when the card is deactivated.
pr_payment_type_id	INTEGER	NULL	UID of Payment type used by PR
is_pr_card	SMALLINT (5)	NULL	If this value is 1, this indicates that card is a personal card which can be used by user to import personal cc transactions (OFX). If this value is 0 or null, this is not a personal card and user cannot use that to import personal cc transactions (OFX).
card_type	VARCHAR (255)	NULL	Code that represents the type of credit card. These are the possible values: • AMEX • VISA • MC • Discover • JCB
change_timestamp	DATETIME	NULL	The date and time when the card data is imported into the Extensity database from the credit card feed.
glcode	VARCHAR (255)	NULL	
cost_center_id	INTEGER	NULL	UID of default cost center for this card

Column	Type	Null	Description
project_number_id	INTEGER	NULL	UID of default project number for this card
cardholder_id	VARCHAR (255)	NULL	Stores the card holder id used by the VCF40 (Visa) feed. This is used to match card holder records to card records
pci_token	VARCHAR (255)	NULL	Token returned by the PCI vendor

Keys

Key Name	Key Type	Keys
PK__alc24927208	Primary Key	ccard_id
XAK1alclcc_card	Alternate Key	ccard_account
XIF662alcc_card	Inversion Entry	cc_processor_id
XIF681alcc_card	Inversion Entry	payment_type_id
XIF700alcc_card	Inversion Entry	user_id
XIF995alcc_card	Inversion Entry	pr_payment_type_id

Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_payment_type	alcc_card	3	pr_payment_type_id
alco_user	alcc_card	3	user_id
alco_payment_type	alcc_card	3	payment_type_id
alcc_processor	alcc_card	3	cc_processor_id
alcc_card	alcc_transaction	1	ccard_id
alcc_card	alpr_vendor_type	3	ccard_id
alcc_card	alco_user_preference	3	ccard_id

alcc_import_format

This table is used in cc import process to handle different import formats.

Table 48: Attributes

Column	Type	Null	Description
cc_import_format_id	INTEGER	NOT NULL	PK
cc_processor_id	INTEGER	NOT NULL	PK
cc_format_name	VARCHAR (255)	NOT NULL	The format name, used in the cc feed command line, that points to the java class used for the cc feed.
cc_format_class_name	VARCHAR (255)	NOT NULL	The class name that performs the cc feed (including package path). For example, largesoft.admin.cc.GEInputFile
active_status	SMALLINT (5)	NOT NULL	Flag to indicate if this row of data is currently active for application.

Table 49: Keys

Key Name	Key Type	Keys
PK__alc286302EC	Primary Key	cc_import_format_id

Table 50: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alcc_processor	alcc_import_format	1	cc_processor_id

alcc_level3_code

Internal table to store level 3 item codes and descriptions. These codes are not changed; however, new codes can be added.

Table 51: Attributes

Column	Type	Null	Description
level3_code_id	INTEGER	NOT NULL	Primary key
item_code	VARCHAR (50)	NOT NULL	A code, based on AMEX GL1080 item codes, to describe the type of charge. This is used for all three corporate cards.
item_code_description	VARCHAR (255)	NOT NULL	Description to be displayed in a DDLB in SAT.
category_code	VARCHAR (32)	NULL	Code to describe the category. For example, 1=Business Center Services,

Column	Type	Null	Description
			2=Room Charges, 3=Food and Beverage, and so on. These codes in general are updated from AMEX. This code is not used internally.
category_code_description	VARCHAR (255)	NULL	Short description of category code. This description in general is updated from AMEX. This description is not used internally.
change_timestamp	DATETIME	NULL	Timestamp of when this record is last modified.
card_type	INTEGER	NOT NULL	1=AMEX, 2=VISA, 3=Mastercard

Table 52: Keys

Key Name	Key Type	Keys
PK480	Primary Key	level3_code_id
item_code_index	Alternate Key	item_code, card_type

Table 53: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alcc_level3_code	alcc_level3_detail	3	level3_code_id
alcc_level3_code	alcc_level3_mapping	1	level3_code_id

alcc_level3_detail

This table holds level 3 data, such as Hotel Folio and is populated during credit card feed import. One itemization is created for a level 3 record when the transaction is linked.

Table 54: Attributes

Column	Type	Null	Description
cc_level3_detail_id	INTEGER	NOT NULL	Primary key.
charge_date	DATETIME	NOT NULL	The date when the account is charged for this item.
native_amount	NUMERIC (20)	NOT NULL	The amount of this charge.
native_amount_id	INTEGER	NOT NULL	The currency id.

Column	Type	Null	Description
description	VARCHAR (255)	NULL	An optional description provided by the credit card processor.
sequence_number	INTEGER	NULL	Sequence number of this level 3 item. This value must be unique within the cc_transaction_id.
level3_identifier	VARCHAR (255)	NULL	Number assigned by the merchant. This can be a Supplier Order Number, a Folio Number,Car Rental Agreement Number, and so on.
cc_transaction_id	INTEGER	NOT NULL	PK
level3_code_id	INTEGER	NULL	Primary key
change_timestamp	DATETIME	NULL	Timestamp when this row is last modified.

Table 55: Keys

Key Name	Key Type	Keys
PK478	Primary Key	cc_level3_detail_id

Table 56: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alcc_transaction	alcc_level3_detail	1	cc_transaction_id
alcc_level3_code	alcc_level3_detail	3	level3_code_id
alcc_level3_detail	aler_level3_attachment	1	cc_level3_detail_id

alcc_level3_mapping

Corporate data table used as a lookup between level 3 codes and expense types. Each level 3 code has an entry in alcc_level3_code so that the SAT administrator can choose that by name from a DDLB.

Table 57: Attributes

Column	Type	Null	Description
level3_mapping_id	INTEGER	NOT NULL	Primary key
active_status	INTEGER	NOT NULL	If this is 1, this forces the user to choose an expense type in the UI. This can happen if the level3_code is "meal" and that can be breakfast, lunch or dinner.

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	Timestamp when this data is last modified.
issue_warning	INTEGER	NOT NULL	If this is 1, this forces the user to choose an expense type in the UI. This can happen if the level3_code is "meal" and this can be breakfast, lunch or dinner.
level3_code_id	INTEGER	NOT NULL	Foreign key to alcc_level3_code. More than one level3_code_id can be mapped to the same expense type, for example, Room Tax 1, Room Tax 2 and Room Tax 3 can all be mapped to the Room Tax expense type. But the same code cannot be mapped to more than one expense type (or cannot be mapped to the same expense type more than once) within a group. This restriction must be enforced in SAT code. You cannot add a unique index to let the database enforce this because the same code can be mapped to more than one expense type (or the same expense type multiple times) as long as they are in different groups.
expense_type_id	INTEGER	NOT NULL	Foreign key to alco_expense_type.

Table 58: Keys

Key Name	Key Type	Keys
PK483	Primary Key	level3_mapping_id

Table 59: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alcc_level3_code	alcc_level3_mapping	1	level3_code_id
alco_expense_type	alcc_level3_mapping	1	expense_type_id

alcc_merchant

As credit card transactions are read, merchant data is extracted and written into this table. Over a period of time, this must reduce the space occupied by the transaction table, otherwise the same merchant information is repeated over several transactions.

Table 60: Attributes

Column	Type	Null	Description
merchant_id	INTEGER	NOT NULL	id
sic_code_id	INTEGER	NULL	Pointer (FK) to the SIC (Std Industrial Code) record for this merchant.
country_id	INTEGER	NULL	FK. This is the country in which the merchant is located
merchant_name	VARCHAR (255)	NOT NULL	The company name of the merchant
merchant_city	VARCHAR (255)	NOT NULL	The name of city where this merchant is located.
merchant_state	VARCHAR (50)	NULL	The state or province
merchant_country	VARCHAR (30)	NULL	The country code to indicate country of the merchant. This can be either a 3-letter alpha code or 3 numerical code.
merchant_postal_code	VARCHAR (20)	NOT NULL	Postal code of the merchant
merchant_std_sic_code	VARCHAR (20)	NULL	The Std SIC code. The data is the same as pointed to by the id above, but is repeated here, in case an SIC code is encountered that is not in the Extensity sic code table.
merchant_given_sic_code	VARCHAR (20)	NULL	The SIC code given to the company by VISA/Mastercard. They have a set of SIC codes that identify the airlines, rental car companies, and hotel chains. Extensity has programming code to deduce the standard government SIC codes from the given SIC codes.
merchant_vat_number	CHAR (20)	NOT NULL	This field is populated, but not currently used, because this can be very valuable data when foreign travel is involved.
vendor_id	INTEGER	NULL	Identifies the vendor bob
change_timestamp	DATETIME	NULL	The date and time when this row of data is imported from the cc feed.
merchant_legal_name	VARCHAR (255)	NULL	The merchant legal name used. For example, 1099 Reporting.
merchant_address	VARCHAR (255)	NULL	The merchant address. If there is more than one address line in the feed, this is the first line.

Table 61: Keys

Key Name	Key Type	Keys
PK__alc2A4B4B5E	Primary Key	merchant_id
XIF1alcmerchant	Inversion Entry	merchant_name, merchant_city, merchant_vat_number, merchant_postal_code, merchant_given_sic_code
XIF658amerchant	Inversion Entry	country_id
XIF659amerchant	Inversion Entry	sic_code_id
XIF721amerchant	Inversion Entry	vendor_id

Table 62: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_vendor	alcc_merchant	3	vendor_id
alcc_sic_code	alcc_merchant	3	sic_code_id
alco_country	alcc_merchant	3	country_id
alcc_merchant	alcc_transaction	3	merchant_id

alcc_processor

This represents one processor of credit cards, such as GE Mastercard, First Bank VISA, AMEX, and so on.

Note: For any given credit card type many different processors can exist.

Table 63: Attributes

Column	Type	Null	Description
cc_processor_id	INTEGER	NOT NULL	PK
cc_processor_name	VARCHAR (255)	NULL	The name of the CC processing company
cc_processor_type	SMALLINT (5)	NULL	A specified but unique id used in Extensity application to identify this specific processor.
cc_processor_flags	INTEGER	NULL	Reserved for future use.
cc_default_card_name	VARCHAR (255)	NOT NULL	The credit card default name
payment_type_id	INTEGER	NULL	PK

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	The date and time when this row of data is updated.

Table 64: Keys

Key Name	Key Type	Keys
PK__alc2C3393D0	Primary Key	cc_processor_id
XIF895arocessor	Inversion Entry	payment_type_id

Table 65: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_payment_type	alcc_processor	3	payment_type_id
alcc_processor	alcc_card	3	cc_processor_id
alcc_processor	alcc_import_format	1	cc_processor_id

alcc_sic_code

This table provides conversion of SIC codes into Extensity expense types.

Table 66: Attributes

Column	Type	Null	Description
sic_code_id	INTEGER	NOT NULL	PK
expense_type_id	INTEGER	NULL	FK - the expense type that applies for this SIC code
sic_code	VARCHAR (255)	NULL	The SIC code that has an Extensity expense type equivalent. SIC codes can be up to four characters. Each additional character provides for greater detail. The program searches for the longest match that can find - 4 characters is a complete match, but any match allows an expense type to be specified.
sic_description	VARCHAR (255)	NULL	Makes reading this table easier, because this description exists. Not used in the program.
sic_warning	SMALLINT (5)	NOT NULL	Boolean. If true, then the UI warns the person that our mapping to the expense

Column	Type	Null	Description
			type id is ambiguous. For example, for the restaurant sic code, you cannot specify whether the mapping must be to the breakfast, lunch, or dinner expense type.
change_timestamp	DATETIME	NULL	The date and time when this row of data is updated.

Table 67: Keys

Key Name	Key Type	Keys
PK__alc2E1BDC42	Primary Key	sic_code_id
ie1alcsic_code	Inversion Entry	sic_code

Table 68: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_expense_type	alcc_sic_code	3	expense_type_id
alcc_sic_code	alcc_merchant	3	sic_code_id

alcc_transaction

This table contains all the downloaded credit card transactions.

Table 69: Attributes

Column	Type	Null	Description
cc_transaction_id	INTEGER	NOT NULL	PK
ccard_id	INTEGER	NOT NULL	FK into the alcc_card table.
merchant_id	INTEGER	NULL	FK into the merchant table.
currency_fmt_defn_id	INTEGER	NULL	FK into the alco_currency_format table.
cct_reference	VARCHAR (255)	NULL	Reference number of the CC Company. Not guaranteed unique, but is almost unique always.
cct_type	SMALLINT (5)	NOT NULL	1 = debit, 2 = credit
cct_amt_us_id	INTEGER	NULL	Foreign key into currency table
cct_amt_us	NUMERIC (20)	NOT NULL	The amount of the transaction.

Column	Type	Null	Description
cct_posting_date	DATETIME	NOT NULL	The date when the transaction is posted.
cct_date	DATETIME	NULL	The date when the transaction is actually made.
vat_amt_native_id	INTEGER	NULL	FK to ALCurrencyFormat to indicate the VAT Amount currency .
vat_amt_native	NUMERIC (20)	NULL	VAT amount in native currency
cct_amt_native_id	INTEGER	NULL	FK to ALCurrencyFormat to indicate the native amount currency
cct_amt_native	NUMERIC (20)	NULL	Transaction amount in native currency
cct_currency_code	CHAR (3)	NULL	The actual currency code in the transaction, in case the currency could not be converted to a known currency id.
cct_active_status	SMALLINT (5)	NOT NULL	Flag to indicate if this row of data is currently active for application.
cct_import_timestamp	DATETIME	NULL	The date and time when the transaction is imported into the Extensity database from the credit card feed.
external_system_id	VARCHAR (255)	NULL	Used by external systems to identify this transaction, since the primary key value is unknown
offline_user_id	INTEGER	NULL	User UID to indicate who sync this row of data for using offline.
doc_date_offlined	DATETIME	NULL	The data and time when this row of data is synchronized for using offline.
er_doc_id	INTEGER	NULL	Pointer to the bobid of the expense_report row?
location_id	INTEGER	NULL	Primary key (a Bob Id).
cct_description	VARCHAR (255)	NULL	
cc_transaction_detail_id	INTEGER	NULL	
expense_type_id	INTEGER	NULL	id
change_timestamp	DATETIME	NULL	
cct_status_int	INTEGER	NULL	Used to indicate the user whether this transaction is linked to an expense report.
cct_sequence_number	INTEGER	NULL	Stores the sequence number used by the VCF40 (VISA) feed. This is used as part of the combination key to uniquely identify a transaction.

Column	Type	Null	Description
cct_statement_date	DATETIME	NULL	The date of the statement this transaction belongs to

Table 70: Keys

Key Name	Key Type	Keys
PK__alc300424B4	Primary Key	cc_transaction_id
XAK1alcnsaction	Alternate Key	ccard_id, cct_reference, cct_posting_date, cct_sequence_number, cct_amt_us
XIF1038nsaction	Inversion Entry	location_id
XIF660ansaction	Inversion Entry	merchant_id
XIF661ansaction	Inversion Entry	ccard_id
XIF729ansaction	Inversion Entry	currency_fmt_defn_id

Table 71: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_location	alcc_transaction	3	location_id
alco_currency_format	alcc_transaction	3	currency_fmt_defn_id
alcc_card	alcc_transaction	1	ccard_id
alcc_merchant	alcc_transaction	3	merchant_id
alcc_transaction_detail	alcc_transaction	3	cc_transaction_detail_id
alco_expense_type	alcc_transaction	3	expense_type_id
alcc_transaction	aler_expense_line_item	3	cc_transaction_id
alcc_transaction	alcc_level3_detail	1	cc_transaction_id

alcc_transaction_detail

Table 72: Attributes

Column	Type	Null	Description
cc_transaction_detail_id	INTEGER	NOT NULL	
airline_departure_date	DATETIME	NULL	
airline_routing	VARCHAR (40)	NULL	

Column	Type	Null	Description
airline_class_of_service	VARCHAR (20)	NULL	
airline_travel_agen-cy_name	VARCHAR (45)	NULL	
hotel_arrival_date	DATETIME	NULL	
hotel_departure_date	DATETIME	NULL	
hotel_stay_duration	INTEGER	NULL	
hotel_folio_ref_number	VARCHAR (30)	NULL	
hotel_room_type	VARCHAR (30)	NULL	
hotel_room_amount	NUMERIC (20)	NULL	
hotel_room_amount_id	INTEGER	NULL	
hotel_room_tax_1	NUMERIC (20)	NULL	
hotel_room_tax_1_id	INTEGER	NULL	
hotel_room_tax_2	NUMERIC (20)	NULL	
hotel_room_tax_2_id	INTEGER	NULL	
hotel_phone_amount	NUMERIC (20)	NULL	
hotel_phone_amount_id	INTEGER	NULL	
hotel_phone_tax_1	NUMERIC (20)	NULL	
hotel_phone_tax_1_id	INTEGER	NULL	
hotel_phone_tax_2	NUMERIC (20)	NULL	
hotel_phone_tax_2_id	INTEGER	NULL	
hotel_restaurant_amount	NUMERIC (20)	NULL	
hotel_restau-rant_amount_id	INTEGER	NULL	
hotel_restaurant_tax_1	NUMERIC (20)	NULL	
hotel_restau-rant_tax_1_id	INTEGER	NULL	
hotel_restaurant_tax_2	NUMERIC (20)	NULL	
hotel_restau-rant_tax_2_id	INTEGER	NULL	
hotel_room_ser-vice_amount	NUMERIC (20)	NULL	
hotel_room_ser-vice_amount_id	INTEGER	NULL	

Column	Type	Null	Description
hotel_room_ser-vice_tax_1	NUMERIC (20)	NULL	
hotel_room_ser-vice_tax_1_id	INTEGER	NULL	
hotel_room_ser-vice_tax_2	NUMERIC (20)	NULL	
hotel_room_ser-vice_tax_2_id	INTEGER	NULL	
hotel_tip_amount_1	NUMERIC (20)	NULL	
hotel_tip_amount_1_id	INTEGER	NULL	
hotel_tip_amount_2	NUMERIC (20)	NULL	
hotel_tip_amount_2_id	INTEGER	NULL	
hotel_others_amount	NUMERIC (20)	NULL	
hotel_others_amount_id	INTEGER	NULL	
hotel_others_tax_1	NUMERIC (20)	NULL	
hotel_others_tax_1_id	INTEGER	NULL	
hotel_others_tax_2	NUMERIC (20)	NULL	
hotel_others_tax_2_id	INTEGER	NULL	
car_rental_agree-ment_number	VARCHAR (30)	NULL	
airline_ticket_number	VARCHAR (20)	NULL	
hotel_room_rate	NUMERIC (20)	NULL	
hotel_room_rate_id	INTEGER	NULL	
hotel_room_tax_daily	NUMERIC (20)	NULL	
hotel_room_tax_daily_id	INTEGER	NULL	
hotel_laundry_amount	NUMERIC (20)	NULL	
hotel_laundry_amount_id	INTEGER	NULL	
hotel_gift_shop_amount	NUMERIC (20)	NULL	
ho-tel_gift_shop_amount_id	INTEGER	NULL	
hotel_movie_amount	NUMERIC (20)	NULL	
hotel_movie_amount_id	INTEGER	NULL	
hotel_bus_cen-ter_amount	NUMERIC (20)	NULL	

Column	Type	Null	Description
hotel_bus_center_amount_id	INTEGER	NULL	
hotel_health_club_amount	NUMERIC (20)	NULL	
hotel_health_club_amount_id	INTEGER	NULL	
hotel_total_tax	NUMERIC (20)	NULL	
hotel_total_tax_id	INTEGER	NULL	
origin_airport	VARCHAR (4)	NULL	
dest_airport	VARCHAR (4)	NULL	
booking_agent_id	INTEGER	NULL	
airline_class_of_service_id	INTEGER	NULL	
car_class_of_service_id	INTEGER	NULL	
hotel_class_of_service_id	INTEGER	NULL	

Table 73: Keys

Key Name	Key Type	Keys
PK415	Primary Key	cc_transaction_detail_id

Table 74: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alcc_transaction_detail	alcc_transaction	3	cc_transaction_detail_id

alcm_user_token

Table 75: Attributes

Column	Type	Null	Description
user_token	VARCHAR (255)	NOT NULL	
user_login	VARCHAR (255)	NOT NULL	
token_type	VARCHAR (30)	NOT NULL	
change_timestamp	DATETIME	NULL	

Column	Type	Null	Description
client_info	VARCHAR (255)	NULL	
lifetime_in_seconds	INTEGER	NOT NULL	

Table 76: Keys

Key Name	Key Type	Keys
PK__alc31EC6D26	Primary Key	user_token

Table 77: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_access_context

Table 78: Attributes

Column	Type	Null	Description
access_context_id	INTEGER	NOT NULL	
context_id	INTEGER	NOT NULL	
context_name	VARCHAR (50)	NOT NULL	
context_label	VARCHAR (50)	NOT NULL	
description	VARCHAR (255)	NULL	
display_in_sat	INTEGER	NOT NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 79: Keys

Key Name	Key Type	Keys
PK270	Primary Key	access_context_id

Table 80: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_access_context	alco_user_access	0	access_context_id
alco_access_context	alco_user_group_access	0	access_context_id

alco_accounting_calendar

This table holds a list of all accounting calendars in the system. Each accounting calendar is a parent to multiple accounting periods in the alco_period table.

Table 81: Attributes

Column	Type	Null	Description
accounting_calendar_id	INTEGER	NOT NULL	BOb ID primary key.
accounting_calendar_name	VARCHAR (255)	NOT NULL	Name of the accounting calendar used in this set of books. Parent of multiple alco_accounting_period entries.
description	VARCHAR (255)	NULL	Description of this accounting calendar.
active_status	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 82: Keys

Key Name	Key Type	Keys
PK__alc33D4B598	Primary Key	accounting_calendar_id

Table 83: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_accounting_calendar	alco_accounting_period	1	accounting_calendar_id
alco_accounting_calendar	alco_set_of_books	3	accounting_calendar_id

alco_accounting_entity_mapping

This table contains the mapping of accounting entity and company.

Table 84: Attributes

Column	Type	Null	Description
accounting_entity_id	INTEGER	NOT NULL	The bob UID of a mapping.
accounting_entity_code	VARCHAR (255)	NOT NULL	The accounting entity code.

Column	Type	Null	Description
accounting_entity_name	VARCHAR (255)	NOT NULL	The accounting entity name.
accounting_entity_short-name	VARCHAR (255)	NULL	The accounting entity short name.
accounting_entity_de-scription	VARCHAR (255)	NULL	The accounting entity description.
active_status	INTEGER	NOT NULL	The active status of the mapping
change_timestamp	DATETIME	NULL	The last date and time the mapping is created/updated
company_id	INTEGER	NULL	The bob UID of a company bob.
cost_center_id	INTEGER	NULL	The cost center id
group_id	INTEGER	NULL	The default group.
currency_fmt_defn_id	INTEGER	NULL	The default currency format.

Table 85: Keys

Key Name	Key Type	Keys
PK520	Primary Key	accounting_entity_id

Table 86: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_company	alco_accounting_entity_map-ping	3	company_id
alco_cost_center	alco_accounting_entity_map-ping	3	cost_center_id

alco_accounting_period

This table holds a record for each accounting period in the system.

Table 87: Attribues

Column	Type	Null	Description
accounting_period_id	INTEGER	NOT NULL	BOb ID primary key.
accounting_calendar_id	INTEGER	NOT NULL	Accounting calendar this entry be-longs to.

Column	Type	Null	Description
period_name	VARCHAR (255)	NOT NULL	Name of this accounting period. Used for DDLBs, so unique per set of books.
start_date	DATETIME	NOT NULL	Start date of this accounting period.
end_date	DATETIME	NOT NULL	End date of this accounting period.
period_type	VARCHAR (1)	NOT NULL	Type of this accounting period. 'F' for Fiscal, 'C' for Calendar.
period_year	INTEGER	NOT NULL	Year of this accounting period
period_number	INTEGER	NOT NULL	Number of the accounting period.
period_quarter	INTEGER	NOT NULL	Quarter number of this accounting period.
description	VARCHAR (255)	NULL	Description of this accounting period.
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 88: Keys

Key Name	Key Type	Keys
PK__alc35BCFE0A	Primary Key	accounting_period_id
XIF1099g_period	Inversion Entry	accounting_calendar_id

Table 89: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_accounting_calendar	alco_accounting_period	1	accounting_calendar_id

alco_adc_flex_1

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 90: Attributes

Column	Type	Null	Description
adc_flex_1_id	INTEGER	NOT NULL	The unique id

Column	Type	Null	Description
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 91: Keys

Key Name	Key Type	Keys
PK551	Primary Key	adc_flex_1_id

Table 92: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_10

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 93: Attributes

Column	Type	Null	Description
adc_flex_10_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 94: Keys

Key Name	Key Type	Keys
PK551_4_5	Primary Key	adc_flex_10_id

Table 95: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_11

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 96: Attributes

Column	Type	Null	Description
adc_flex_11_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 97: Keys

Key Name	Key Type	Keys
PK551_4_6	Primary Key	adc_flex_11_id

Table 98: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_12

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 99: Attributes

Column	Type	Null	Description
adc_flex_12_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id

Column	Type	Null	Description
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 100: Keys

Key Name	Key Type	Keys
PK551_4_7	Primary Key	adc_flex_12_id

Table 101: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_13

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 102: Attributes

Column	Type	Null	Description
adc_flex_13_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 103: Keys

Key Name	Key Type	Keys
PK551_4_8	Primary Key	adc_flex_13_id

Table 104: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_14

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 105: Attributes

Column	Type	Null	Description
adc_flex_14_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 106: Keys

Key Name	Key Type	Keys
PK551_4_9	Primary Key	adc_flex_14_id

Table 107: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_15

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 108: Attributes

Column	Type	Null	Description
adc_flex_15_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 109: Keys

Key Name	Key Type	Keys
PK551_4_10	Primary Key	adc_flex_15_id

Table 110: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_16

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 111: Attributes

Column	Type	Null	Description
adc_flex_16_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 112: Keys

Key Name	Key Type	Keys
PK551_4_11	Primary Key	adc_flex_16_id

Table 113: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_17

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 114: Attributes

Column	Type	Null	Description
adc_flex_17_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 115: Keys

Key Name	Key Type	Keys
PK551_4_12	Primary Key	adc_flex_17_id

Table 116: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_18

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 117: Attributes

Column	Type	Null	Description
adc_flex_18_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 118: Keys

Key Name	Key Type	Keys
PK551_4_13	Primary Key	adc_flex_18_id

Table 119: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_19

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 120: Attributes

Column	Type	Null	Description
adc_flex_19_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 121: Keys

Key Name	Key Type	Keys
PK551_4_14	Primary Key	adc_flex_19_id

Table 122: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_2

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 123: Attributes

Column	Type	Null	Description
adc_flex_2_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 124: Keys

Key Name	Key Type	Keys
PK551_1	Primary Key	adc_flex_2_id

Table 125: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_20

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 126: Attributes

Column	Type	Null	Description
adc_flex_20_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 127: Keys

Key Name	Key Type	Keys
PK551_4_15	Primary Key	adc_flex_20_id

Table 128: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_3

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 129: Attribues

Column	Type	Null	Description
adc_flex_3_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 130: Keys

Key Name	Key Type	Keys
PK551_2	Primary Key	adc_flex_3_id

Table 131: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_4

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 132: Attributes

Column	Type	Null	Description
adc_flex_4_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 133: Keys

Key Name	Key Type	Keys
PK551_3	Primary Key	adc_flex_4_id

Table 134: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_5

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 135: Attributes

Column	Type	Null	Description
adc_flex_5_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 136: Keys

Key Name	Key Type	Keys
PK551_4	Primary Key	adc_flex_5_id

Table 137: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_6

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 138: Attributes

Column	Type	Null	Description
adc_flex_6_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 139: Keys

Key Name	Key Type	Keys
PK551_4_1	Primary Key	adc_flex_6_id

Table 140: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_7

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 141: Attributes

Column	Type	Null	Description
adc_flex_7_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 142: Keys

Key Name	Key Type	Keys
PK551_4_2	Primary Key	adc_flex_7_id

Table 143: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_8

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 144: Attributes

Column	Type	Null	Description
adc_flex_8_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 145: Keys

Key Name	Key Type	Keys
PK551_4_3	Primary Key	adc_flex_8_id

Table 146: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_adc_flex_9

PSO can use ADC Flex types for custom data in any ADC drop-down.

Table 147: Attributes

Column	Type	Null	Description
adc_flex_9_id	INTEGER	NOT NULL	The unique id
user_id	INTEGER	NULL	The user id
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the data
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 148: Keys

Key Name	Key Type	Keys
PK551_4_4	Primary Key	adc_flex_9_id

Table 149: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_address

This table defines a physical address.

Table 150: Attributes

Column	Type	Null	Description
address_id	INTEGER	NOT NULL	The primary key of the alco_address table.
user_id	INTEGER	NULL	PK
address_name	VARCHAR (255)	NULL	Name that can be part of the address. For example, Office Depot
location_name	VARCHAR (255)	NULL	Location name, if required. For example, Bay Area
addr_line_1	VARCHAR (255)	NULL	The first line of a mailing address.
addr_line2	VARCHAR (255)	NULL	
city_name	VARCHAR (255)	NULL	The city of a mailing address.
state_id	INTEGER	NULL	A foreign key to the alco_state table for the state of a mailing address.
zip_code	VARCHAR (20)	NULL	The zip code/postal code of a mailing address.
country_id	INTEGER	NULL	PK
phone_nbr	VARCHAR (255)	NULL	The phone number at an address.
url	VARCHAR (255)	NULL	The URL name for this address. For example, www.officedepot.com
active_status	SMALLINT (5)	NOT NULL	Is this address active?
parent_id	INTEGER	NULL	A foreign key to the parent of this address. These are the possible values: • alco_company • alco_division • alco_department
contact_name	VARCHAR (255)	NULL	Name of the contact for this address. for example, Nancy Smith
contact_email_address	VARCHAR (255)	NULL	The e-mail address of a contact person at this address.
contact_phone_number	VARCHAR (255)	NULL	The direct line to a contact person at this address.
external_sys_id	VARCHAR (255)	NULL	External system id provided by the customer. If the address is imported from a customer provided feed, this ID helps you identify the source of this data.
change_timestamp	DATETIME	NULL	The date and time of the last change to this row of this table.

Column	Type	Null	Description
address_type	SMALLINT (5)	NULL	The type of address; individual home, individual work, recruiter office, and so on.
fax_phone_nbr	VARCHAR (40)	NULL	

Table 151: Keys

Key Name	Key Type	Keys
PK__alc398D8EEE	Primary Key	address_id

Table 152: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_country	alco_address	3	country_id
alco_state	alco_address	3	state_id
alco_user	alco_address	3	user_id
alco_address	alpr_ship_to	3	address_id
alco_address	alpr_user_preference	3	address_id
alco_address	alpr_vendor	3	address_id
alco_address	alpr_purchase_order	3	address_id
alco_address	alco_guest	3	address_id
alco_address	alco_license	3	address_id

alco_air_service_class

Table 153: Attributes

Column	Type	Null	Description
air_service_class_id	INTEGER	NOT NULL	
air_service_class_code	VARCHAR (4)	NULL	
air_service_class_name	VARCHAR (255)	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 154: Keys

Key Name	Key Type	Keys
PK428	Primary Key	air_service_class_id

Table 155: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_attachment_status

This table contains the information on whether all the documents that must be attached to another document are attached. For example, a user submits a travel plan for a whole month and then submits expense reports linked to the travel plan. This table tracks whether all docs that are attached, are submitted.

Table 156: Attributes

Column	Type	Null	Description
attachment_status_id	INTEGER	NOT NULL	uid
work_item_id	INTEGER	NOT NULL	work item uid of document that is attached to other documents
attached_to_bob_type	INTEGER	NOT NULL	bob type of document that above work item is also attached
attached_to_all_docs	INTEGER	NULL	0 means not attached to all 1 means it has been

Table 157: Keys

Key Name	Key Type	Keys
PK__alc3B75D760	Primary Key	attachment_status_id

Table 158: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_audit_list

EBL's hit list tracking module uses this functionality. If a user has repeatedly violated the expense policies of the company, system administrator can add the user to hit list. Also, a user can be added to hit list for a particular work item by background process. If user is on hit list, all documents submitted by the user are audited by the auditors.

This table maintains the hit list.

Table 159: Attributes

Column	Type	Null	Description
audit_list_id	INTEGER	NOT NULL	Bob Id
notes	VARCHAR (255)	NULL	Notes from system administrator on the history behind adding this user to hit list.
reason	VARCHAR (40)	NULL	Reason for adding this user to hit list.
user_id	INTEGER	NOT NULL	PK
work_item_id	INTEGER	NULL	PK
change_timestamp	DATETIME	NULL	
active_status	SMALLINT (5)	NOT NULL	Whether audit entry is active.

Table 160: Keys

Key Name	Key Type	Keys
PK_HIT_LIST	Primary Key	audit_list_id
idx_hitlist_wi	Alternate Key	user_id, work_item_id

Table 161: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_audit_list	1	user_id
alwf_work_item	alco_audit_list	3	work_item_id

alco_audit_log

Table 162: Attributes

Column	Type	Null	Description
audit_log_id	INTEGER	NOT NULL	The UID
work_item_id	INTEGER	NOT NULL	The work item id
log_date	DATETIME	NOT NULL	The date when the change is made
action_id	INTEGER	NOT NULL	The type of change. • 0=child added • 1=child removed • 2=element changed
bob_type	INTEGER	NOT NULL	The type of the bob that is changed
bob_uid	INTEGER	NOT NULL	The UID of the bob that is changed
bob_element	VARCHAR (255)	NULL	If an element is modified, the element that is modified
bob_element_label	VARCHAR (255)	NULL	If an element is modified, the display label for the element
old_value	LONG VARCHAR (18)	NULL	If an element is modified, the value prior to the change
old_value_bob_type	INTEGER	NULL	If a child is removed, the type of the child
old_value_bob_uid	INTEGER	NULL	If a child is removed, the UID of the child
new_value	LONG VARCHAR (18)	NULL	If an element changed, the value after the change
new_value_bob_type	INTEGER	NULL	If a child is added, the type of the child
new_value_bob_uid	INTEGER	NULL	If a child is added, the UID of the child
user_id	INTEGER	NOT NULL	The user who made the change
proxy_user_id	INTEGER	NULL	The user who made the change

Table 163: Keys

Key Name	Key Type	Keys
PK530	Primary Key	audit_log_id
work_item_idx	Inversion Entry	work_item_id

Table 164: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_audit_log	1	user_id
alco_user	alco_audit_log	3	user_id

alco_background_process

This table defines the background processes that are defined for a database (which can be accessed by one or more application data servers). A background process is a separate thread started by the data server and which runs under its JVM.

Table 165: Attributes

Column	Type	Null	Description
bkg_process_id	INTEGER	NOT NULL	Process id is the PK
bkg_process_name	VARCHAR (255)	NOT NULL	The name of the background process (No embedded spaces or special characters). This name corresponds to the class name for the bkg and does not include the package qualifier. For example, APBkg ScopusRouting
bkg_process_type	INTEGER	NOT NULL	Defines the start up characteristic of the process. These are the two types of background processes: • Value 1 = Continuos running process. The process keeps on running with sleep intervals. This stops only on receipt of a stop command. • Value 2 = One shot process. The process when started, is run through its processing and ends when the processing is completed.
bkg_startup_mode	INTEGER	NOT NULL	Defines the start and restart options for the process. All bkg's are started by the data server class BkgProcessHandler. This column defines how the bkg is started: These are the values: • 0 = undefined • 1 = Automatic start at data server start. No automatic re-start if the process dies.

Column	Type	Null	Description
			• 2 = Automatic start at data server start Automatic re-start if the process dies. • 3 = On request start. Requires a start command to be issued by the CmdInterface.
bkg_wait_interval	INTEGER	NULL	The number of units of time that a continuous process (type 1) sleeps in between the processing cycles.
bkg_interval_unit	CHAR (1)	NULL	The time unit used to express the wait interval. These are the valid values: • m = interval is in minutes • h = interval is in hours • d = interval is in days
bkg_log_level	INTEGER	NULL	Defines the type of logging for the log file. These are the valid values: • Value 1 = Log Fatal Error messages only (type E) this type of error usually terminates the process cycle and must be resolved. • Value 2 = Log Error and Warning messages Warning messages usually represent unsual or invalid conditions for one document and do not prevent the process from continuing to another document. However the document in question is left in a checkout state. • Value 3 = Log Error, Warning, and Information messages.
user_id	INTEGER	NULL	The user id (from alco_user table) associated with the background process. This column is required for background process to associate the process with an activity queue workflow permission to access that queue. The user_id is also used for import processes to log the import actions to a specific user_id.
bkg_log_max_size	INTEGER	NULL	The maximum size of a log file for this process. This is a value expressed inKilo bytes (KB). When a log file reaches this maximum, this is archived (renamed to the log file name with a time stamp appended to the name) and a new log file is started to continue the logging function for the process.

Column	Type	Null	Description
bkg_process_pack-age	VARCHAR (255)	NOT NULL	The fully qualified Java package for the class that implements the background process. This value is used to locate and load the class at execution time. **Note:** This does not include the class name.
bkg_process_model	INTEGER	NULL	The processing model that is implemented in the background process. These are the three currently identified and supported models: • Value 1 = The single item work queue model where the work queue for the activity that the background is assigned to is retrieved and then each document in the queue is processed. (Robot functionality). Documents are checked out and checked in by the base server background process. The application bkg must only process each document as that is called in its processDocument method. • Value 2 = The work queue model. In this case the entire work queue is retrieved and is passed to the Bkg process to do as this chooses. The application background process is responsible for check-in and checkout of the work items in the queue. • Value =3 The free work model, which provides a way to implement background processes that are not driven by activity queues. Any valid java processing is available here.
server_port	INTEGER	NULL	The port number for the application data server where the process is assigned to run when started
server_host_name	VARCHAR (255)	NOT NULL	The name of the host machine where the extensity application data server is running.
bkg_pro-cess_params	VARCHAR (1024)	NULL	The parameters required to run bkg.
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
xm_release_id	INTEGER	NOT NULL	The version of XM when the data entry was first available.

Table 166: Keys

Key Name	Key Type	Keys
PK__alc3D5E1FD2	Primary Key	bkg_process_id

Table 167: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_background_pro-cess	3	user_id
alco_xm_release	alco_background_pro-cess	1	xm_release_id
alco_background_pro-cess	alco_background_pro-cess_status	1	bkg_process_id

alco_background_process_status

Bkgs periodically update this table with their running status (running, stopped, and so on) to be displayed in SAT. This can also be used to send start/stop commands to the bkgs.

Table 168: Attributes

Column	Type	Null	Description
bkg_process_status_id	INTEGER	NOT NULL	bob id
status	INTEGER	NOT NULL	bkg status or command (constants de-fined in BkgProcStatic.java)
restart_count	INTEGER	NOT NULL	number of times bkg is auto-restarted since this is originally started
change_timestamp	DATETIME	NULL	change timestamp
bkg_process_id	INTEGER	NOT NULL	Process id is the PK

Table 169: Keys

Key Name	Key Type	Keys
PK499	Primary Key	bkg_process_status_id

Table 170: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_background_pro-cess	alco_background_pro-cess_status	1	bkg_process_id

alco_benefit_item

Table 171: Attributes

Column	Type	Null	Description
benefit_item_id	INTEGER	NOT NULL	PK - a unique ID for this table.
user_id	INTEGER	NOT NULL	FK to alco_user table.
project_number_id	INTEGER	NOT NULL	FK to alco_project_number table. The benefit code vacation, personal day, PTO, and so on are represented as project code.
received_ytd	NUMERIC (7)	NOT NULL	Number of hours received YTD.
taken_ytd	NUMERIC (7)	NOT NULL	Number of hours taken YTD.
effective_date	DATETIME	NOT NULL	The date this benefit bank balance data is effective
change_timestamp	DATETIME	NULL	
total_available	NUMERIC (7)	NOT NULL	The total number of hours available to this employee.

Table 172: Keys

Key Name	Key Type	Keys
PK364	Primary Key	benefit_item_id

Table 173: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_benefit_item	1	user_id
alco_project_number	alco_benefit_item	1	project_number_id

alco_bob_element_mapping

This table maps the report parameter names to Bob elements in the Extensity system.

Table 174: Attributes

Column	Type	Null	Description
mapping_id	INTEGER	NOT NULL	Bob ID primary key.
bob_element_name	VARCHAR (255)	NOT NULL	This is the name of the Bob element to which this sterling report parameter is mapped. This is a complete path.
bob_type_id	INTEGER	NOT NULL	
bob_element_dis-play_name	VARCHAR (255)	NOT NULL	

Table 175: Keys

Key Name	Key Type	Keys
PK374	Primary Key	mapping_id

Table 176: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_bob_relationship

Table 177: Attributes

Column	Type	Null	Description
bob_relationship_id	INTEGER	NOT NULL	PK - a unique id for this table.
bob_relationship_defn_id	INTEGER	NOT NULL	PK - a unique id for this table.
one_bob_value	INTEGER	NOT NULL	Bob ID of the (one) end of the relationship.
many_bob_value	INTEGER	NOT NULL	Bob ID of the (many) end of the relationship.
user_id	INTEGER	NULL	Bob ID of the user the record belongs to.
active_status	SMALLINT (5)	NOT NULL	Whether the record is active. • 1 = active

Column	Type	Null	Description
			• 0 = inactive
change_timestamp	DATETIME	NULL	

Table 178: Keys

Key Name	Key Type	Keys
PK367	Primary Key	bob_relationship_id
idxbobreltdefn	Inversion Entry	bob_relationship_defn_id, user_id

Table 179: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_bob_relation-ship_defn	alco_bob_relationship	1	bob_relationship_defn_id

alco_bob_relationship_defn

Table 180: Attributes

Column	Type	Null	Description
bob_relationship_defn_id	INTEGER	NOT NULL	PK - a unique id for this table.
relationship_bob_type	INTEGER	NOT NULL	Bob type for this relationship.
one_bob_type	INTEGER	NOT NULL	Bob type for the (one) end of the relationship.
one_bob_element	VARCHAR (255)	NULL	Bob reference element of the indirect bob type of the (one) end of the relationship.
many_bob_type	INTEGER	NOT NULL	Bob type of the (many) end of the relationship.
user_can_create	SMALLINT (5)	NULL	Whether the user can create a new bob that results in a new relationship. For example, a user can create a new vendor, but not the payment type.
relationship_one_ele-ment	VARCHAR (255)	NOT NULL	(one) end element name in the relationship bob type.
relationship_many_ele-ment	VARCHAR (255)	NOT NULL	(many) end in the relationship bob type.
change_timestamp	DATETIME	NULL	

Table 181: Keys

Key Name	Key Type	Keys
PK366	Primary Key	bob_relationship_defn_id
xak05210101	Alternate Key	one_bob_type, many_bob_type

Table 182: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_bob_relation-ship_defn	alco_bob_relationship	1	bob_relationship_defn_id

alco_bobref

The alco_bobref table is used to keep track of all the keys, that are uploaded, and that are re-mapped from the client assigned ID's to the Server IDs. This table is currently used ONLY, in the PSO Configuration Project of XMDBTool. This table does not have any primary keys.

Table 183: Attributes

Column	Type	Null	Description
table_bobid	INTEGER	NOT NULL	This is the bobId of the table.
table_name	VARCHAR (2000)	NOT NULL	Table Name that is involved in the current transaction.
table_pk	VARCHAR (2000)	NOT NULL	This is the name of the column, (in almost all the cases this is the name of the primary key of this table) of which the value is re-mapped.
client_assigned_value	INTEGER	NOT NULL	This is the value assigned by the client system. This may not be in the bob id range required in the server.
remapped_value	INTEGER	NOT NULL	This is the value re-mapped by the server. This value is in the range that is required in the server.

Table 184: Keys

Key Name	Key Type	Keys
PK523	Primary Key	

Table 185: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_bobtobob_mapper

Table 186: Attributes

Column	Type	Null	Description
mapper_id	INTEGER	NOT NULL	
from_name	VARCHAR (255)	NOT NULL	
to_name	VARCHAR (255)	NOT NULL	
from_bob_type	INTEGER	NOT NULL	
to_bob_type	INTEGER	NOT NULL	

Table 187: Keys

Key Name	Key Type	Keys
PK__alc3F466844	Primary Key	mapper_id

Table 188: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_booking_agent

Table 189: Attributes

Column	Type	Null	Description
booking_agent_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	
booking_agent_name	VARCHAR (50)	NULL	
description	VARCHAR (255)	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 190: Keys

Key Name	Key Type	Keys
PK426	Primary Key	booking_agent_id

Table 191: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_budget

This table contains the budget data.

Table 192: Attributes

Column	Type	Null	Description
budget_id	INTEGER	NOT NULL	Budget id
name	VARCHAR (255)	NOT NULL	Budget name
description	VARCHAR (1000)	NULL	Budget description
start_date	DATETIME	NOT NULL	Start date when this budget take effect
end_date	DATETIME	NOT NULL	End date when this budget loose effect
currency_id	INTEGER	NOT NULL	Currency id which used for this budget
change_timestamp	DATETIME	NULL	
active_status	SMALLINT (5)	NOT NULL	

Table 193: Keys

Key Name	Key Type	Keys
PK561	Primary Key	budget_id

Table 194: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_budget_account

This table contains the budget account data.

Table 195: Attributes

Column	Type	Null	Description
budget_account_id	INTEGER	NOT NULL	Budget account id
name	VARCHAR (255)	NOT NULL	Budget account name
description	VARCHAR (1000)	NULL	Budget account description
gl_code	VARCHAR (200)	NULL	The GL Code mapped to this account
change_timestamp	DATETIME	NULL	
active_status	SMALLINT (5)	NOT NULL	

Table 196: Keys

Key Name	Key Type	Keys
PK560	Primary Key	budget_account_id

Table 197: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_budget_account_mapping

This table contains the budget account mapping data.

Table 198: Attributes

Column	Type	Null	Description
mapping_id	INTEGER	NOT NULL	Mapping id
budget_account_id	INTEGER	NOT NULL	Id of budget account that is mapped
expense_type_id	INTEGER	NOT NULL	Id of expense type mapped
change_timestamp	DATETIME	NULL	

Table 199: Keys

Key Name	Key Type	Keys
PK564	Primary Key	mapping_id

Table 200: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_budget_history

This table contains the budget history data.

Table 201: Attributes

Column	Type	Null	Description
budget_history_id	INTEGER	NOT NULL	Budget history id.
doc_type	INTEGER	NOT NULL	Document type. This is the type id of document.
doc_id	INTEGER	NOT NULL	Document id.
budget_id	INTEGER	NOT NULL	Budget id.
budget_line_id	INTEGER	NOT NULL	Budget line id.
amount	NUMERIC (20)	NOT NULL	Amount changed for the budget line.
amount_id	INTEGER	NOT NULL	
action	INTEGER	NOT NULL	Action of amount change. • 1-allocate; • 2-release; • 3-commit;
released	SMALLINT (5)	NULL	Indicate whether this line is released (or committed). Only effective when action is 1.
change_timestamp	DATETIME	NULL	

Table 202: Keys

Key Name	Key Type	Keys
PK563	Primary Key	budget_history_id

Table 203: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_budget_line

This table contains the budget line data.

Table 204: Attributes

Column	Type	Null	Description
budget_line_id	INTEGER	NOT NULL	Budget line id
budget_id	INTEGER	NOT NULL	Id of the budget which this line belongs to.
budget_account_id	INTEGER	NOT NULL	Id of the budget account which this line is applied to.
cost_center_id	INTEGER	NULL	Cost center which this line is applied to.
project_id	INTEGER	NULL	Project code which this line is applied to.
budgeted_amount	NUMERIC (20)	NOT NULL	The total amount for this budget line.
budget-ed_amount_id	INTEGER	NOT NULL	
adjusted_amount	NUMERIC (20)	NOT NULL	The adjusted amount for this budget line.
adjusted_amount_id	INTEGER	NOT NULL	
allocated_amount	NUMERIC (20)	NOT NULL	The allocated amount for this budget line. This is the total amount of submitted but not exported documents.
allocated_amount_id	INTEGER	NOT NULL	
committed_amount	NUMERIC (20)	NOT NULL	The committed amount for this budget line. This is the approved amount of exported documents.
commit-ted_amount_id	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	
active_status	SMALLINT (5)	NOT NULL	

Table 205: Keys

Key Name	Key Type	Keys
PK562	Primary Key	budget_line_id

Table 206: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_callback_data

Data associated with a screen/callback - automatically fetched from the server when the screen is initialized.

Special case of get_packet and get_register columns: If bus_obj_type_id is 800, (FieldAttribute), get_register is the module_id of the field attribute and get_packet is the module_id to inherit the field attribute from.

Table 207: Attributes

Column	Type	Null	Description
callback_data_id	INTEGER	NOT NULL	PK
parent_id	INTEGER	NULL	ID of the screen (as control) associated with the callback.
lazy_load	SMALLINT (5)	NULL	This is not used currently
element_name	VARCHAR (255)	NULL	Used for specifying the particular <register> associated with the packet (see get_register).
get_register	SMALLINT (5)	NULL	Add the contents of the <register> for the packet to the data context.
get_packet	SMALLINT (5)	NULL	Add the packet to the data context.
reacquire_packet	SMALLINT (5)	NULL	This is not used currently
change_timestamp	DATETIME	NULL	
bob_set_name	VARCHAR (255)	NULL	
request_parameters	LONG VAR-CHAR (18)	NULL	
request_values	VARCHAR (255)	NULL	
bus_obj_type_id	INTEGER	NULL	Type of Bob associated with this piece of callback data.

Table 208: Keys

Key Name	Key Type	Keys
PK__alc412EB0B6	Primary Key	callback_data_id

Table 209: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_car_service_class

Table 210: Attributes

Column	Type	Null	Description
car_service_class_id	INTEGER	NOT NULL	
car_service_class_code	VARCHAR (4)	NULL	
car_service_class_name	VARCHAR (255)	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 211: Keys

Key Name	Key Type	Keys
PK429	Primary Key	car_service_class_id

Table 212: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_charge_code_levels

This table lists all the levels and associated names in the charge code hierarchy.

Table 213: Attributes

Column	Type	Null	Description
charge_code_level_id	INTEGER	NOT NULL	id

Column	Type	Null	Description
charge_code_level_num	SMALLINT (5)	NULL	level in hierarchy
charge_code_level_name	VARCHAR (50)	NULL	name of level
charge_code_level_delim	VARCHAR (10)	NULL	delimiter to put in front of project, eg '/'
bob_type	INTEGER	NULL	
code_element	VARCHAR (255)	NULL	
name_element	VARCHAR (255)	NULL	
query_label	VARCHAR (255)	NULL	
code_label	VARCHAR (25)	NULL	
name_label	VARCHAR (25)	NULL	
lower_code_element	VARCHAR (255)	NULL	
lower_name_element	VARCHAR (255)	NULL	
chooser_id	INTEGER	NULL	An integer that defines which chooser (i.e., project chooser, location chooser) the level belongs to. These are the values: • 1 = project chooser • 2 = location chooser
parent_join_element_name	VARCHAR (255)	NULL	Element name of the bob element that contains the foreign key value to the parent bob.
change_timestamp	DATETIME	NULL	
disallow_user_input	INTEGER	NULL	
not_display_user_specific	INTEGER	NULL	

Table 214: Keys

Key Name	Key Type	Keys
PK__a1c4316F928	Primary Key	charge_code_level_id

Table 215: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_charge_role

This table lists all the roles that a user can associate with a time entry.

Table 216: Attributes

Column	Type	Null	Description
charge_role_id	INTEGER	NOT NULL	id
charge_role_name	VARCHAR (255)	NULL	display name, eg. 'Project Manager'
charge_role_active_sta-tus	SMALLINT (5)	NOT NULL	active status
change_timestamp	DATETIME	NULL	

Table 217: Keys

Key Name	Key Type	Keys
PK__alc44FF419A	Primary Key	charge_role_id

Table 218: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_charge_role	alts_line_item	3	charge_role_id
alco_charge_role	alts_user_billable_rate	3	charge_role_id

alco_charge_types

This table describes the project codes, contains potential charge type, for example, Billable, Non-Billable, Overhead, and so on.

Table 219: Attributes

Column	Type	Null	Description
charge_type_id	INTEGER	NOT NULL	id

Column	Type	Null	Description
charge_name	VARCHAR (255)	NULL	charge type name, eg 'Billable'
charge_bob_elem_name	VARCHAR (255)	NULL	The name of element in **Summary of Hours** cross tab bob and **Labor Utilization** cross tab bob corresponding to this charge type.
charge_sequence_num	SMALLINT (5)	NULL	This is designed to define the charge type (column) order displayed in the Summary of Hours grid and in the Labor Utilization grid in the **Summary** Tab. But hits value is not used because the charge types are columns in the grids and the column order is hardcoded by the GUI definition file.
charge_type_active_status	SMALLINT (5)	NOT NULL	active or not
change_timestamp	DATETIME	NULL	

Table 220: Keys

Key Name	Key Type	Keys
PK__alc46E78A0C	Primary Key	charge_type_id

Table 221: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_charge_types	alts_line_item	3	charge_type_id
alco_charge_types	alco_project_number	3	charge_type_id

alco_check_request_type

Table 222: Attributes

Column	Type	Null	Description
check_request_type_id	INTEGER	NOT NULL	
name	VARCHAR (255)	NOT NULL	The name of this check request type
type	SMALLINT (5)	NOT NULL	The type of this check request type. These are the valid values: • 1-goods or services

Column	Type	Null	Description
			• 2-tax
			• 3-freight
active_status	SMALLINT (5)	NULL	Active/inactive status. Valid values are 1 or 0
change_timestamp	DATETIME	NULL	The date/time when this corporate date is modified
instructions	LONG VARCHAR (18)	NULL	Instructions of the CheckRequestType

Table 223: Keys

Key Name	Key Type	Keys
PK458	Primary Key	check_request_type_id

Table 224: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_check_re-quest_type	alpr_invoice_line_item	3	check_request_type_id
alco_check_re-quest_type	alco_expense_account	3	check_request_type_id

alco_class_of_service

This table is used to describe the quality of service for various expenditures.

Table 225: Attributes

Column	Type	Null	Description
service_class_id	INTEGER	NOT NULL	id
user_id	INTEGER	NULL	Identifies the user for most recently used list
service_class_name	VARCHAR (255)	NOT NULL	Displays quality of service, such as 'first' or 'coach'
active_status	INTEGER	NOT NULL	Is this item active? Value 1 = item is active
change_timestamp	DATETIME	NULL	

Table 226: Keys

Key Name	Key Type	Keys
PK__alc48CFD27E	Primary Key	service_class_id

Table 227: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_class_of_service	3	user_id
alco_class_of_service	altr_line_item	3	service_class_id

alco_clients

This table contains client names for creating bills, timesheets, and so on.

Table 228: Attributes

Column	Type	Null	Description
client_id	INTEGER	NOT NULL	Identifies the client
client_code	CHAR (40)	NOT NULL	An alternate key, the code of the client. This value can be shorter than the name
client_name	VARCHAR (255)	NOT NULL	Name of the client. For example, Target
client_active_status	SMALLINT (5)	NOT NULL	Is this client active or re-moved
change_timestamp	DATETIME	NULL	

Table 229: Keys

Key Name	Key Type	Keys
PK__alc4AB81AF0	Primary Key	client_id
XOPT_03020101	Inversion Entry	client_code

Table 230: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_clients	alco_project_number	3	client_id

alco_company

This table defines the companies that are using this database.

Table 231: Attributes

Column	Type	Null	Description
company_id	INTEGER	NOT NULL	PK
company_name	VARCHAR (255)	NULL	The name.
company_code	CHAR (10)	NULL	The parent corporations code for the company
active_status	SMALLINT (5)	NOT NULL	ASF
full_gl_format	SMALLINT (5)	NULL	A small value that specifies how a full gl code is created. The usage of this column has been discontinued for Rel 3.x and later.
change_timestamp	DATETIME	NULL	

Table 232: Keys

Key Name	Key Type	Keys
PK__alc4CA06362	Primary Key	company_id

Table 233: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_company	albr_organization_br	3	company_id
alco_company	alco_division	3	company_id
alco_company	alco_accounting_entity_mapping	3	company_id

alco_company_theme

This table contains the company theme data.

Table 234: Attributes

Column	Type	Null	Description
theme_id	INTEGER	NOT NULL	The bob UID of the theme.

Column	Type	Null	Description
company_name	VARCHAR (255)	NULL	The name of the company/tenant
company_logo	IMAGE/LONG BINARY (18)	NULL	The logo picture configured for this company.
company_css	LONG VARCHAR (18)	NULL	The configured stylesheet for this company/tenant used to overwrite the existing default Infor stylesheet.
active_status	INTEGER	NOT NULL	The current status of this entry.
change_timestamp	DATETIME	NULL	The last date and time the entry is created/updated.
client_type	INTEGER	NOT NULL	client type

Table 235: Keys

Key Name	Key Type	Keys
PK522	Primary Key	theme_id

Table 236: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_cost_center

Each user belongs to a cost_center and expenses can be charged across cost centers.

Table 237: Attributes

Column	Type	Null	Description
cost_center_id	INTEGER	NOT NULL	id
user_id	INTEGER	NULL	
department_id	INTEGER	NULL	FK. Defines which departement this cost_center belongs to.
cost_center_name	VARCHAR (255)	NULL	This contains the cost center code as known to the Extensity application. This is the value that displays in the drop down list of the data entry screens.
cost_center_code	VARCHAR (60)	NULL	Contains the cost center code value as known to an external system. Equivalent to the external

Column	Type	Null	Description
			system id used in other tables to identify external entities.
cost_center_description	VARCHAR (255)	NULL	A description of it.
cost_center_active_status	SMALLINT (5)	NULL	ASF
default_reviewer_id	INTEGER	NULL	
alternate_reviewer_id	INTEGER	NULL	
change_timestamp	DATETIME	NULL	
review_segment_id	INTEGER	NULL	FK to alco_cost_center_review_segment
segment2_id	INTEGER	NULL	FK to alco_cost_center_segment
segment3_id	INTEGER	NULL	FK to alco_cost_center_segment
segment4_id	INTEGER	NULL	FK to alco_cost_center_segment
segment5_id	INTEGER	NULL	FK to alco_cost_center_segment
segment6_id	INTEGER	NULL	FK to alco_cost_center_segment
segment7_id	INTEGER	NULL	FK to alco_cost_center_segment
segment8_id	INTEGER	NULL	FK to alco_cost_center_segment
segment9_id	INTEGER	NULL	FK to alco_cost_center_segment
segment1_id	INTEGER	NULL	FK to alco_cost_center_segment

Table 238: Keys

Key Name	Key Type	Keys
PK__alc4E88ABD4	Primary Key	cost_center_id
XIF727at_center	Inversion Entry	department_id
XIE1alct_center	Inversion Entry	user_id

Table 239: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_department	alco_cost_center	3	department_id
alco_cost_center_rev_segment	alco_cost_center	3	review_segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_cost_center_seg-ment	alco_cost_center	3	segment_id
alco_cost_center_seg-ment	alco_cost_center	3	segment_id
alco_cost_center_seg-ment	alco_cost_center	3	segment_id
alco_cost_center_seg-ment	alco_cost_center	3	segment_id
alco_cost_center_seg-ment	alco_cost_center	3	segment_id
alco_cost_center_seg-ment	alco_cost_center	3	segment_id
alco_cost_center_seg-ment	alco_cost_center	3	segment_id
alco_cost_center	aler_line_allocation	3	cost_center_id
alco_cost_center	aler_user_preference	3	cost_center_id
alco_cost_center	alco_user	3	cost_center_id
alco_cost_center	alts_atten-dance_line_item	3	cost_center_id
alco_cost_center	alts_line_item	3	cost_center_id
alco_cost_center	alco_accounting_enti-ty_mapping	3	cost_center_id

alco_cost_center_config

Configuration table for all cost centers. With this table you can specify the number of segments, the label and the status (optional or required) for each segment by Company or Business Unit.

Table 240: Attributes

Column	Type	Null	Description
cost_center_config_id	INTEGER	NOT NULL	primary key
segment_count	INTEGER	NOT NULL	the number of segments for this company or business unit
segment_separator	VARCHAR (10)	NOT NULL	separator string when formatting the cost center for display

Column	Type	Null	Description
active_status	INTEGER	NULL	1=active, 0=inactive
review_segment_label	VARCHAR (255)	NULL	label for cost center segment
review_segment_dis-play_element	VARCHAR (80)	NULL	The element that must be used for the review segment in the formatted cost center. This value can be 'name' or 'code'.
segment1_code	VARCHAR (60)	NULL	Segment 1 code. Used for lookup.
segment1_label	VARCHAR (255)	NULL	Label for segment 1.For example, Company
segment1_display_ele-ment	VARCHAR (80)	NULL	The element that must be used for segment 1 in the formatted cost center. This value can be 'name' or 'code'.
segment2_label	VARCHAR (255)	NULL	Label for segment 2. For example, Division
segment3_label	VARCHAR (255)	NULL	Label for segment 3. For example, Department
segment4_label	VARCHAR (255)	NULL	Label for segment 4
segment5_label	VARCHAR (255)	NULL	Label for segment 5
segment6_label	VARCHAR (255)	NULL	Label for segment 6
segment7_label	VARCHAR (255)	NULL	Label for segment 7
segment8_label	VARCHAR (255)	NULL	Label for segment 8
segment9_label	VARCHAR (255)	NULL	Label for segment 9
segment2_display_ele-ment	VARCHAR (80)	NULL	The element that must be used for segment 2 in the formatted cost center. This value can be 'name' or 'code'.
segment3_display_ele-ment	VARCHAR (80)	NULL	The element that must be used for segment 3 in the formatted cost center. This value can be 'name' or 'code'.
segment4_display_ele-ment	VARCHAR (80)	NULL	The element that must be used for segment 4 in the formatted cost center. This value can be 'name' or 'code'.
segment5_display_ele-ment	VARCHAR (80)	NULL	The element that must be used for segment 5 in the formatted cost center. This value can be 'name' or 'code'.

Column	Type	Null	Description
segment6_display_ele-ment	VARCHAR (80)	NULL	The element that must be used for segment 6 in the formatted cost center. This value can be 'name' or 'code'.
segment7_display_ele-ment	VARCHAR (80)	NULL	The element that must be used for segment 7 in the formatted cost center. This value can be 'name' or 'code'.
segment8_display_ele-ment	VARCHAR (80)	NULL	The element that must be used for segment 8 in the formatted cost center. This value can be 'name' or 'code'.
segment9_display_ele-ment	VARCHAR (80)	NULL	The element that must be used for segment 9 in the formatted cost center. This value can be 'name' or 'code'.
segment2_optional	SMALLINT (5)	NOT NULL	1=optional, 0=required
segment3_optional	SMALLINT (5)	NOT NULL	1=optional, 0=required
segment4_optional	SMALLINT (5)	NOT NULL	1=optional, 0=required
segment5_optional	SMALLINT (5)	NOT NULL	1=optional, 0=required
segment6_optional	SMALLINT (5)	NOT NULL	1=optional, 0=required
segment7_optional	SMALLINT (5)	NOT NULL	1=optional, 0=required
segment8_optional	SMALLINT (5)	NOT NULL	1=optional, 0=required
segment9_optional	SMALLINT (5)	NOT NULL	1=optional, 0=required
change_timestamp	DATETIME	NULL	

Table 241: Keys

Key Name	Key Type	Keys
PK536	Primary Key	cost_center_config_id
XIF693CCConfig	Alternate Key	segment1_code

Table 242: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_cost_center_rev_segment

Stores the cost center segment. This is always the last segment in the sequence. The cost center segment is different from other segments because this also has a reviewer, alternate reviewer and a description.

Table 243: Attributes

Column	Type	Null	Description
review_segment_id	INTEGER	NOT NULL	primary key
segment_name	VARCHAR (255)	NULL	segment name
segment_code	VARCHAR (60)	NOT NULL	segment code
description	VARCHAR (255)	NULL	segment description
default_reviewer_id	INTEGER	NULL	default cost center re-viewer
alternate_reviewer_id	INTEGER	NULL	alternate cost center re-viewer
active_status	SMALLINT (5)	NOT NULL	1=active, 0=inactive
change_timestamp	DATETIMN	NULL	

Table 244: Keys

Key Name	Key Type	Keys
PK535	Primary Key	review_segment_id
idx_review_segment_name	Inversion Entry	segment_name
idx_review_segment_code	Alternate Key	segment_code

Table 245: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_cost_center_rev_segment	alco_cost_center	3	review_segment_id

alco_cost_center_segment

This table stores the segments of a cost center. A segment is a generalized concept that can be used for department, division, company or other part of a cost center. Segments are indexed from 1 to 9. Segment 1 is always the Company or Business Unit. The cost center segment, the last segment in the sequence is stored in another table: alco_cost_center_review_segment.

Table 246: Attributes

Column	Type	Null	Description
segment_id	INTEGER	NOT NULL	primary key
segment_name	VARCHAR (255)	NULL	segment name

Column	Type	Null	Description
segment_code	VARCHAR (60)	NOT NULL	segment code
segment_index	INTEGER	NOT NULL	segment index. Can be 1-9
active_status	SMALLINT (5)	NOT NULL	1=active, 0=inactive
change_timestamp	DATETIME	NULL	

Table 247: Keys

Key Name	Key Type	Keys
PK534	Primary Key	segment_id
idx_segment_name	Inversion Entry	segment_name
idx_segment_code	Inversion Entry	segment_code
idx_segment_code_index	Alternate Key	segment_index, segment_code

Table 248: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	alco_cost_center	3	segment_id
alco_cost_center_segment	albr_organization_br	3	segment_id

alco_country

This table lists all the countries in the world, virtually.

Table 249: Attributes

Column	Type	Null	Description
country_id	INTEGER	NOT NULL	PK
country_name	VARCHAR (255)	NULL	Name of the country.
country_num_code	CHAR (3)	NOT NULL	Used to locate country bobs by credit card feed
country_active_status	SMALLINT (5)	NULL	Is this country active?
change_timestamp	DATETIME	NULL	
country_code_iso	CHAR (2)	NOT NULL	Two letter country code from iso 3166 standard
country_alpha_code	CHAR (3)	NULL	Used to locate country bobs by credit card feed

Table 250: Keys

Key Name	Key Type	Keys
PK__alc5070F446	Primary Key	country_id
XAK1alc_country	Alternate Key	country_num_code

Table 251: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_country	alcc_merchant	3	country_id
alco_country	alco_address	3	country_id
alco_country	alco_country_currency	3	country_id
alco_country	alco_currency_format	3	country_id
alco_country	alco_location	1	country_id
alco_country	alco_office	3	country_id
alco_country	alco_state	3	country_id
alco_country	alco_user	3	country_id
alco_country	alpd_definition	3	country_id

alco_country_currency

Most countries have one currency, but some have two (for example, Panama uses the US Dollar and the Panama Escudo). Most currencies are used by one country, but some are used by others, most notably the US Dollar. This table lists all the currencies and countries that are used together.

Table 252: Attributes

Column	Type	Null	Description
country_currency_id	INTEGER	NOT NULL	PK
currency_fmt_defn_id	INTEGER	NULL	FK - a currency that the given country uses
country_id	INTEGER	NULL	FK - a country that uses the given currency
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 253: Keys

Key Name	Key Type	Keys
PK__alc52593CB8	Primary Key	country_currency_id
uidx_countrycurr	Alternate Key	currency_fmt_defn_id, country_id

Table 254: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alco_country_currency	3	currency_fmt_defn_id
alco_country	alco_country_currency	3	country_id

alco_county

This table contains the counties within a state. This is populated by the load tool.

Table 255: Attributes

Column	Type	Null	Description
county_id	INTEGER	NOT NULL	Primary key (a unique bobid)
user_id	INTEGER	NULL	PK
state_id	INTEGER	NULL	

Column	Type	Null	Description
county_name	VARCHAR (255)	NOT NULL	
county_active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 256: Keys

Key Name	Key Type	Keys
PK__alc5441852A	Primary Key	county_id

Table 257: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_county	3	user_id
alco_state	alco_county	3	state_id
alco_county	alco_location	3	county_id

alco_cumulative_miles

The mileage accrual amount of the user for a specified period.

Table 258: Attributes

Column	Type	Null	Description
cumulative_mileage_id	INTEGER	NOT NULL	ID of the record
user_id	INTEGER	NOT NULL	The user. FK to alco_user
period_id	INTEGER	NOT NULL	ID of the mileage rate accumulation period. FK to alco_mileage_period.
cumulative_miles	INTEGER	NULL	Amount of mileage accrued in the period by the user
change_timestamp	DATETIME	NULL	

Table 259: Keys

Key Name	Key Type	Keys
PK446	Primary Key	cumulative_mileage_id

Table 260: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_cumulative_miles	1	user_id
alco_mileage_period	alco_cumulative_miles	1	period_id

alco_currency_format

This table defines a currency and how to display the currency.

Table 261: Attributes

Column	Type	Null	Description
currency_fmt_defn_id	INTEGER	NOT NULL	PK
country_id	INTEGER	NULL	FK -- The country that is the main user / owner of this currency
currency_name	VARCHAR (255)	NOT NULL	Name
positive_format	VARCHAR (10)	NULL	What character must be used when an amount is positive
negative_format	VARCHAR (10)	NULL	Character that must be used when an amount is negative
currency_symbol	VARCHAR (15)	NOT NULL	The symbol used for that currency
decimal_digits	SMALLINT (5)	NOT NULL	For this currency, how many decimal digits of precision are used. For most, but not all countries, this value is 2.
currency_code_alpha	CHAR (3)	NULL	no longer used
currency_code_num	CHAR (3)	NULL	no longer used
currency_active_status	SMALLINT (5)	NOT NULL	ASF
currency_code_iso	CHAR (3)	NULL	The ISO-4217 standard currency code (alpha - the numeric code is not in our db)
fx_tolerance	FLOAT (8)	NULL	Maximum percent difference between user specified foreign exchange rate and default rate. If the percent difference is greater than this number, a business rule fails and tolerance varies by currency, but not by date.

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	

Table 262: Keys

Key Name	Key Type	Keys
PK__alc5629CD9C	Primary Key	currency_fmt_defn_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_country	alco_currency_format	3	country_id
alco_currency_format	alts_line_item	3	currency_fmt_defn_id
alco_currency_format	aler_expense_line_item	3	currency_fmt_defn_id
alco_currency_format	alhh_currency_type_mapping	1	currency_fmt_defn_id
alco_currency_format	alts_user_billable_rate	1	currency_fmt_defn_id
alco_currency_format	alcc_transaction	3	currency_fmt_defn_id
alco_currency_format	alco_country_currency	3	currency_fmt_defn_id
alco_currency_format	alco_euro_rates	1	currency_fmt_defn_id
alco_currency_format	alco_expense_type	3	currency_fmt_defn_id
alco_currency_format	alco_fx_rate	3	currency_fmt_defn_id
alco_currency_format	alpr_purchase_order	3	currency_fmt_defn_id
alco_currency_format	alpr_purchase_order	3	currency_fmt_defn_id
alco_currency_format	altr_line_item	3	currency_fmt_defn_id
alco_currency_format	alco_user	1	currency_fmt_defn_id
alco_currency_format	alpd_definition	3	currency_fmt_defn_id
alco_currency_format	aler_review_policies	1	currency_fmt_defn_id
alco_currency_format	alpr_invoice	3	currency_fmt_defn_id
alco_currency_format	alpr_invoice	3	currency_fmt_defn_id
alco_currency_format	alpr_invoice	3	currency_fmt_defn_id
alco_currency_format	alpr_invoice	3	currency_fmt_defn_id
alco_currency_format	alpr_invoice_line_item	3	currency_fmt_defn_id
alco_currency_format	alpr_invoice_line_item	3	currency_fmt_defn_id
alco_currency_format	alpr_vendor_terms	3	currency_fmt_defn_id
alco_currency_format	alco_user	3	currency_fmt_defn_id
alco_currency_format	alco_user_preference	3	currency_fmt_defn_id
alco_currency_format	alco_report_fx_rate	1	currency_fmt_defn_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alco_report_fx_rate	1	currency_fmt_defn_id

Attributes

Keys

Relationships

alco_database_cookie

This table allows the application to store various user state (like table sort columns) and restore that state during the next session.

Table 263: Attributes

Column	Type	Null	Description
database_cookie_id	INTEGER	NOT NULL	the uid
name	VARCHAR (255)	NOT NULL	the cookie name
value	LONG VARCHAR (18)	NULL	the cookie value
change_timestamp	DATETIME	NULL	
user_id	INTEGER	NOT NULL	PK

Table 264: Keys

Key Name	Key Type	Keys
PK525	Primary Key	database_cookie_id

Table 265: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_database_cookie	1	user_id

alco_database_info

Table 266: Attributes

Column	Type	Null	Description
database_info_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	user_id of offline user
sync_timestamp	DATETIME	NULL	Last time user synchronized the offline client
change_timestamp	DATETIME	NULL	Updated by SAT when any bob is listed in alco_offline_sync changes

Table 267: Keys

Key Name	Key Type	Keys
PK__alc5812160E	Primary Key	database_info_id

Table 268: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_db_version

This table contains the information about the latest build, but may become part of the build system.

Table 269: Attributes

Column	Type	Null	Description
db_version_id	INTEGER	NOT NULL	PK
major_version_id	INTEGER	NULL	
minor_version_id	INTEGER	NULL	
major_version_label	CHAR (20)	NULL	
minor_version_label	CHAR (20)	NULL	
build_number	INTEGER	NULL	
build_label	CHAR (20)	NULL	

Table 270: Keys

Key Name	Key Type	Keys
PK__alc59FA5E80	Primary Key	db_version_id

Table 271: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_deleted_documents

Table 272: Attributes

Column	Type	Null	Description
deleted_document_id	INTEGER	NOT NULL	
document_id	VARCHAR (255)	NOT NULL	
business_object_id	INTEGER	NULL	
bus_obj_type_id	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	
owner_user_id	INTEGER	NULL	Document owner user id
user_id	INTEGER	NULL	Deleted by user id

Table 273: Keys

Key Name	Key Type	Keys
PK477	Primary Key	deleted_document_id

Table 274: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_department

The company departments are specified in this table.

Table 275: Attributes

Column	Type	Null	Description
department_id	INTEGER	NOT NULL	PK
division_id	INTEGER	NULL	Each department belongs to a division
department_name	VARCHAR (255)	NULL	Name of the department
department_code	CHAR (10)	NULL	Company code for the department
dept_active_status	SMALLINT (5)	NULL	ASF
change_timestamp	DATETIME	NULL	

Table 276: Keys

Key Name	Key Type	Keys
PK__alc5BE2A6F2	Primary Key	department_id
XIF683apartment	Inversion Entry	division_id

Table 277: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_division	alco_department	3	division_id
alco_department	albr_organization_br	3	department_id
alco_department	alco_cost_center	3	department_id

alco_division

The company divisions are specified in this table.

Table 278: Attributes

Column	Type	Null	Description
division_id	INTEGER	NOT NULL	PK
company_id	INTEGER	NULL	Each division belongs to a company
division_name	VARCHAR (255)	NULL	Name of the division
division_code	CHAR (10)	NULL	Company code for the division

Column	Type	Null	Description
division_active_status	SMALLINT (5)	NULL	ASF
change_timestamp	DATETIME	NULL	

Table 279: Keys

Key Name	Key Type	Keys
PK__alc5DCAEF64	Primary Key	division_id

Table 280: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_company	alco_division	3	company_id
alco_division	albr_organization_br	3	division_id
alco_division	alco_department	3	division_id

alco_document_links

This table is used to identify the links between documents.

Table 281: Attributes

Column	Type	Null	Description
doc_link_id	INTEGER	NOT NULL	identifier
from_document_id	INTEGER	NOT NULL	alwf_work_item id of linking document
ext_attachment_id	INTEGER	NULL	Primary key
work_item_id	INTEGER	NULL	Id in alwf_work_item of linked document
linked_document_create_date	DATETIME	NULL	This is the date that the linked document referred to when the linked_dcoument_id is created.
linked_document_description	VARCHAR (255)	NULL	A description of the linked document. Description is free form and up to 255.
type_display_name	VARCHAR (255)	NULL	This has a constant 'External Attachment' for external documents
external_text_id	INTEGER	NULL	
document_type	VARCHAR (255)	NULL	The mime type of the attached document. This column is meaningful in case of an external text attachment

Column	Type	Null	Description
external_doc_identifier	VARCHAR (255)	NULL	The document identifier as maintained by an external system.
change_timestamp	DATETIME	NULL	
thumbnail	IMAGE/LONG BI-NARY (18)	NULL	A thumbnail for image attachments

Table 282: Keys

Key Name	Key Type	Keys
PK__alc619B8048	Primary Key	doc_link_id
fromDocId_idx	Inversion Entry	from_document_id
doc_links_ext_attachment_idx	Inversion Entry	ext_attachment_id
doc_links_work_item_idx	Inversion Entry	work_item_id

Table 283: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_external_text	alco_document_links	3	external_text_id
alco_external_attach-ment	alco_document_links	3	ext_attachment_id
alwf_work_item	alco_document_links	3	work_item_id

alco_email_parm_replacement

This table defines the replacement parameter patterns used in subject or message body of an e-mail notice sent by the notification subsystem. These patterns are substituted with data during e-mail generation.

Table 284: Attributes

Column	Type	Null	Description
parm_replace-ment_id	INTEGER	NOT NULL	
parm_pattern	VARCHAR (255)	NOT NULL	A unique character string that identifies the pattern within an e-mail message line or subject line

Column	Type	Null	Description
parm_datasource	VARCHAR (255)	NOT NULL	The name of a method in a java replacement class that returns the value used to replace the parm_pattern
parm_active_status	SMALLINT (5)	NOT NULL	
parm_pattern_label	VARCHAR (50)	NOT NULL	An internationalized string that is displayed in an SAT list used to select this parameter replacement.
valid_trigger_types	VARCHAR (30)	NULL	A string of characters delimited by colon (:) that identify the valid triggers for this parameter Example: o:w:z This indicates that the parameter is valid for overflow, delay, and transition trigger types.

Table 285: Keys

Key Name	Key Type	Keys
PK408	Primary Key	parm_replacement_id
parm_pattern_ak	Alternate Key	parm_pattern

Table 286: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_employment_status

This table lists the employment status types. For example, Fulltime, Part Time, and so on.

Table 287: Attributes

Column	Type	Null	Description
emp_status_id	INTEGER	NOT NULL	id
emp_status_name	VARCHAR (255)	NULL	Name of this status. For example, 'Fulltime'
emp_status_active_status	SMALLINT (5)	NOT NULL	Active or Removed
change_timestamp	DATETIME	NULL	

Table 288: Keys

Key Name	Key Type	Keys
PK__alc6383C8BA	Primary Key	emp_status_id

Table 289: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_employment_status	alts_timesheet	3	emp_status_id
alco_employment_status	alts_user_attributes	3	emp_status_id

alco_er_activity_status_map

This table contains the mapping of ER activities and statuses.

Table 290: Attributes

Column	Type	Null	Description
er_activity_status_mapping_id	INTEGER	NOT NULL	The bob UID of a mapping.
mapped_status	VARCHAR (255)	NULL	The name of the mapped status.
active_status	INTEGER	NOT NULL	The active status of the mapping
change_timestamp	DATETIME	NULL	The last date and time when the mapping is created/updated.
activity_id	INTEGER	NOT NULL	The activity id.

Table 291: Keys

Key Name	Key Type	Keys
PK521	Primary Key	er_activity_status_mapping_id

Table 292: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_activity	alco_er_activity_status_map	1	activity_id

alco_etl_doc_modified

To contain modified documents for an ETL run.

Table 293: Attributes

Column	Type	Null	Description
date_range	VARCHAR (255)	NULL	The date range of the ETL run
document_id	VARCHAR (255)	NULL	The document tracking number
work_item_id	INTEGER	NULL	The work item ID

Table 294: Keys

Key Name	Key Type	Keys
PK496	Primary Key	

Parent Entity	Child Entity	Type	Foreign Keys

alco_euro_rates

This is a table of exchange rates of various currencies against the euro, the european currency unit.

Table 295: Attributes

Column	Type	Null	Description
euro_rates_id	INTEGER	NOT NULL	Id
currency_fmt_defn_id	INTEGER	NOT NULL	Identifies currency
exchange_rate	NUMERIC (20)	NOT NULL	The exchange rate for this currency
change_timestamp	DATETIME	NULL	

Table 296: Keys

Key Name	Key Type	Keys
PK__alc656C112C	Primary Key	euro_rates_id

Table 297: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alco_euro_rates	1	currency_fmt_defn_id

alco_expense_account

This table holds the chart of expense accounts for each set of books. Expense accounts are determined as a function of both Expense Type and any number of BOb elements on the line item as indicated in alco_expense_account_finder. Expense accounts are mapped to VAT accounts so that VAT can be calculated for each line item.

Table 298: Attributes

Column	Type	Null	Description
expense_account_id	INTEGER	NOT NULL	BOb ID primary key.
vat_account_id	INTEGER	NULL	VAT account associated with this expense account.
expense_type_id	INTEGER	NULL	Expense Type to map to this expense account.
parent_id	INTEGER	NULL	Parent Bob ID.
td_gl_account	VARCHAR (255)	NULL	GL account of this expense account.
td_gl_subaccount	VARCHAR (255)	NULL	GL subaccount of this expense account.
ntd_gl_account	VARCHAR (255)	NULL	
ntd_gl_subaccount	VARCHAR (255)	NULL	
active_status	INTEGER	NOT NULL	
expense_account_description	VARCHAR (255)	NULL	
tdsub0	VARCHAR (18)	NULL	
tdsub1	VARCHAR (18)	NULL	
tdsub2	VARCHAR (18)	NULL	
tdsub3	VARCHAR (18)	NULL	
tdsub4	VARCHAR (18)	NULL	
tdsub5	VARCHAR (18)	NULL	
tdsub6	VARCHAR (18)	NULL	

Column	Type	Null	Description
tdsub7	VARCHAR (18)	NULL	
tdsub8	VARCHAR (18)	NULL	
tdsub9	VARCHAR (18)	NULL	
ntdsub0	VARCHAR (18)	NULL	
ntdsub1	VARCHAR (18)	NULL	
ntdsub2	VARCHAR (18)	NULL	
ntdsub3	VARCHAR (18)	NULL	
ntdsub4	VARCHAR (18)	NULL	
ntdsub5	VARCHAR (18)	NULL	
ntdsub6	VARCHAR (18)	NULL	
ntdsub7	VARCHAR (18)	NULL	
ntdsub8	VARCHAR (18)	NULL	
ntdsub9	VARCHAR (18)	NULL	
change_timestamp	DATETIME	NULL	
check_request_type_id	INTEGER	NULL	
use_with_vat_special_type	INTEGER	NOT NULL	If the value is one, this expense account is used only in conjunction with a VAT/GST special expense type in an itemization group. If value is zero, this expense account is used only when there is no VAT/GST special expense type in an itemization group.
expense_account_list	VARCHAR (255)	NULL	Name used to link with alco_vat_account
set_of_books_id	INTEGER	NOT NULL	Primary Key

Table 299: Keys

Key Name	Key Type	Keys
PK__alc6754599E	Primary Key	expense_account_id
XIF1097_account	Inversion Entry	vat_account_id
XIF1098a_account	Inversion Entry	set_of_books_id

Table 300: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_vat_account	alco_expense_account	3	vat_account_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_check_re-quest_type	alco_expense_account	3	check_request_type_id
alco_set_of_books	alco_expense_account	1	set_of_books_id
alco_expense_account	aler_expense_line_item	3	expense_account_id
alco_expense_account	alco_expense_ac-count_finder	1	expense_account_id
alco_expense_account	alpr_invoice_line_item	3	expense_account_id

alco_expense_account_finder

This table holds the BOb type and BOB ID of the value used to further distinguish the expense account to map to an expense type. For instance, to indicate a different expense account for different payment types, you must have multiple entries in this table with bob_type_id set to 700, and bob_value_id set to the BOb IDs of the relevant payment type BOb.

Table 301: Attributes

Column	Type	Null	Description
expense_account_find-er_id	INTEGER	NOT NULL	
expense_account_id	INTEGER	NOT NULL	BOb ID primary key.
line_item_element_name	VARCHAR (255)	NULL	
line_item_ele-ment_bob_id	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 302: Keys

Key Name	Key Type	Keys
PK__alc693CA210	Primary Key	expense_account_finder_id
XIF1101count_fi	Inversion Entry	expense_account_id

Table 303: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_expense_account	alco_expense_ac-count_finder	1	expense_account_id

alco_expense_special_code

Each row in this table describes an expense special code, which identifies expense type behavior or special treatment.

Table 304: Attributes

Column	Type	Null	Description
expense_spe-cial_code_id	INTEGER	NOT NULL	id
expense_special_code	INTEGER	NOT NULL	A code that defines the processing attributes of an expense type. Equivalent to a transaction code for an expense type. These are the values defined in DBStatic. java: • ET_UNKNOWN = -1 • ET_OTHER = 0 • ET_BREAKFAST= 1 • ET_DINNER = 2 • ET_LUNCH = 3 • ET_BUSINESS_MEALS = 4 • ET_ENTERTAINMENT = 5 • ET_GIFTS = 6 • ET_MILEAGE = 7 • ET_CHAR_DON = 8 • ET_GIFTS_LOGO = 9 • ET_PROM_SPON = 10 • ET_SPOUSAL_LODGING = 11 • ET_SPOUSAL_MEALS = 12 • ET_SPOUSAL_TRAVEL= 13 • ET_ENT_SPORTS = 14 • ET_CLUB_MEMBERSHIP = 15 • ET_CASH_ADVANCE = 16 • ET_AIRLINE_TICKET = 17 • ET_CAR_RENTAL = 21 • ET_PAYMENT_MADE = 22
expense_spe-cial_code_name	VARCHAR (255)	NOT NULL	Display name for the special code, used in admin tool when assigning special codes to expenses
special_code_active_sta-tus	SMALLINT (5)	NOT NULL	active status
change_timestamp	DATETIME	NULL	

Keys

Table 305: Keys

Key Name	Key Type	Keys
PK__alc6B24EA82	Primary Key	expense_special_code_id

Table 306: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_expense_spe-cial_code	alco_expense_type	3	expense_special_code_id

alco_expense_type

This table contains all expense types, which describe types of purchases or other spending, for example, 'Airfare,' 'Cash Advance', and so on.

Table 307: Attributes

Column	Type	Null	Description
expense_type_id	INTEGER	NOT NULL	Id
user_id	INTEGER	NULL	Id of user, used in most recently used list of user define entries
expense_type_label	VARCHAR (255)	NOT NULL	Display name for this type of expense, similar to 'Hotel'
category_label	VARCHAR (255)	NULL	Label for expense category_class, similar to 'Transportation'
gl_code	CHAR (20)	NULL	The 'natural', or short, General Ledger code
tax_deductable_percent	SMALLINT (5)	NOT NULL	Indicates that the accounting percentage of a specific account may have for tax purposes and can be used for both IRS and VAT purposes.
itemization_only	SMALLINT (5)	NULL	1 if this expense type is only valid in itemized line item, 0 otherwise
field_disp_control	SMALLINT (5)	NULL	OBSOLETE. Kept for compatibility with Rel 2x and earlier releases. The function has been replaced by field_attributes
category_class	SMALLINT (5)	NULL	An integer representing what category this expense type belongs to.*

Column	Type	Null	Description
expense_special_code_id	INTEGER	NULL	fk into alco_expense_special_code; which describes special behavior for this expense type, like 'mileage' for 'business use of company car'
expense_active_status	SMALLINT (5)	NOT NULL	active status
major_account	CHAR (10)	NULL	An accounting field exported to some financial systems. Not used internally by Extensity'
travel_category_id	INTEGER	NULL	Foreign key to altr_travel_category. Defines the category of this expense type.
external_system_id	VARCHAR (255)	NULL	identifier established by external systems so that they can identify this expense without knowing its primary key
default_offline_perdiem_amt_id	INTEGER	NULL	Currency id for default offline perdiem amt
default_offline_perdiem_amt	NUMERIC (20)	NULL	Default amount used to populate the perdiem amount in case of offline client and the perdiem table is not loaded.
change_timestamp	DATETIME	NULL	
currency_fmt_defn_id	INTEGER	NULL	Currency id of default_offline_perdiem_amt. Should be the same as default_offline_perdiem_amt_id. It's used in the corp data panel as the underlying data field of the currency dropdown
short_label	VARCHAR (255)	NULL	small label for devices with limited space
perdiem_subtype	SMALLINT (5)	NULL	the ebl per diem sub type (0=daily allowance, 1=private night stay)
pd_definition_id	INTEGER	NULL	
description	LONG VARCHAR (18)	NULL	Description of the ExpenseType
not_selectable	INTEGER	NOT NULL	If set to 1, the expense type is not displayed in the UI and cannot be selected. Used when the expense type is for credit card transactions only.

Table 308: Keys

Key Name	Key Type	Keys
PK__alc6D0D32F4	Primary Key	expense_type_id
XIF1045nse_type	Inversion Entry	currency_fmt_defn_id

Key Name	Key Type	Keys
XIF1087nse_type	Inversion Entry	travel_category_id
XIF719anse_type	Inversion Entry	user_id
XIF851anse_type	Inversion Entry	expense_special_code_id

Table 309: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
altr_travel_category	alco_expense_type	3	travel_category_id
alco_currency_format	alco_expense_type	3	currency_fmt_defn_id
alco_expense_special_code	alco_expense_type	3	expense_special_code_id
alco_user	alco_expense_type	3	user_id
alpd_definition	alco_expense_type	3	pd_definition_id
alco_expense_type	aler_expense_line_item	3	expense_type_id
alco_expense_type	alcc_sic_code	3	expense_type_id
alco_expense_type	alhh_expense_type_mapping	1	expense_type_id
alco_expense_type	altr_travel_item	1	expense_type_id
alco_expense_type	alcc_transaction	3	expense_type_id
alco_expense_type	alco_mileage_rate_class	1	expense_type_id
alco_expense_type	aler_review_policies	1	expense_type_id
alco_expense_type	alpd_overage_group	1	expense_type_id
alco_expense_type	aler_quick_itemization	1	expense_type_id
alco_expense_type	aler_quick_itemization_info	1	expense_type_id
alco_expense_type	alcc_level3_mapping	1	expense_type_id

alco_export_profile

This table contains the export profile data.

Table 310: Attributes

Column	Type	Null	Description
profile_id	INTEGER	NOT NULL	The bob UID of a profile.
profile_name	VARCHAR (255)	NOT NULL	The name of the profile
profile_desc	VARCHAR (255)	NULL	The description of the profile.
profile_xml	LONG VARCHAR (18)	NOT NULL	The configuration data in xml format.
active_status	INTEGER	NOT NULL	The active status of the profile
change_timestamp	DATETIME	NULL	The date and time when the profile is last created/updated.
user_id	INTEGER	NULL	PK

Table 311: Keys

Key Name	Key Type	Keys
PK498	Primary Key	profile_id

Table 312: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_export_profile	3	user_id

alco_external_attachment

This table contains the external attachment data.

Table 313: Attributes

Column	Type	Null	Description
ext_attachment_id	INTEGER	NOT NULL	Primary key
attachment_data	IMAGE/LONG BINARY (18)	NULL	

Table 314: Keys

Key Name	Key Type	Keys
PK__alc70DDC3D8	Primary Key	ext_attachment_id

Table 315: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_external_attach-ment	alco_document_links	3	ext_attachment_id

alco_external_bob_type

This table stores the bob types that require external keys. Group based bob types, that is, bob types that have almt_bob_type.can_be_member = 1, are automatically provided external keys. Any additional bob types that require external keys are defined in this table.

Table 316: Attributes

Column	Type	Null	Description
external_bob_type_id	INTEGER	NOT NULL	
bus_obj_type_id	INTEGER	NOT NULL	bob type that requires external key

Table 317: Keys

Key Name	Key Type	Keys
PK412	Primary Key	external_bob_type_id

Table 318: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	alco_external_bob_type	1	bus_obj_type_id

alco_external_key

This table stores the external key for all bobs that are configured to require one external key.

Table 319: Attributes

Column	Type	Null	Description
external_key	VARCHAR (255)	NOT NULL	the actual external key
bus_obj_type_id	INTEGER	NOT NULL	This is the bob type id . Ref integrity constraint with almt_bob_type is removed based on the tools' team request. This can be addressed in 7.0 by tools team
bob_id	INTEGER	NOT NULL	Bob id of the bob mapped to an external key

Table 320: Keys

Key Name	Key Type	Keys
PK413	Primary Key	bus_obj_type_id, bob_id
ak_bobtype_ext_key	Alternate Key	bus_obj_type_id, external_key

Table 321: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_external_text

This table stores the text stream that is received from an external source.

Table 322: Attributes

Column	Type	Null	Description
external_text_id	INTEGER	NOT NULL	
external_text_data	LONG VARCHAR (18)	NULL	The actual text stream that is recieved typically from an external source. For example, an itinerary in XML format from Getthere.com

Table 323: Keys

Key Name	Key Type	Keys
PK__alc72C60C4A	Primary Key	external_text_id

Table 324: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_external_text	alco_document_links	3	external_text_id

alco_external_user

This table defines each user login information for external systems. For Example, jsmith in our system might have one entry for GetThere, specifying the login/password to that system and another for Sabre, and so on. This is currently populated by a background process for GetThere.

Table 325: Attributes

Column	Type	Null	Description
ext_user_id	INTEGER	NOT NULL	
user_id	INTEGER	NOT NULL	PK
partner_id	INTEGER	NOT NULL	
ext_user_login	VARCHAR (255)	NOT NULL	
ext_password	VARCHAR (255)	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 326: Keys

Key Name	Key Type	Keys
PK__alc74AE54BC	Primary Key	ext_user_id

Table 327: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_partner	alco_external_user	1	partner_id
alco_user	alco_external_user	1	user_id

alco_field_attribute

This table controls the attributes of fields and their labels on screens. These are the attributes controlled:

- visibility
- required
- enabled
- label text

This is the default behavior for any field:

- it is visible
- it is not required
- it is enabled
- its label text is what is specified in the control definition file

An item with a null controller id and is added to the table to make id eligible for changes in behavior; for specific controller id's a record is added to this table, specifying the controller id, the field, label, and the new behavior.

Table 328: Attributes

Column	Type	Null	Description
field_attribute_id	INTEGER	NOT NULL	id for a row in this table
controller_id	INTEGER	NULL	A controlling id, can be expense type id, travel type id, or any other enumeration which makes sense for this module. When the user selects this id, and the field attributes are applied, then the settings in this row are displayed to the user. A null controller id entry must exist to enable the use of field attributes for the appropriate controls. The null entry also defines default behavior for all expense types, for example
field_required	SMALLINT (5)	NULL	Whether field is required, such field labels are displayed currently in red
field_visible	SMALLINT (5)	NULL	Whether field is visible for this controller id
field_label	VARCHAR (255)	NULL	The text for the field label for this controller id
module_id	INTEGER	NOT NULL	Provides a context for usage of field attributes. Normally the context is a screen, similar to ' erItemizationScreen,'. This could be for a set of accounting options, for example, don't display this field when IBCP is in effect. when field attributes are applied, all those in effect for the module are used
field_enabled	SMALLINT (5)	NULL	This field enabled or disabled for this controller id

Column	Type	Null	Description
field_mask	VARCHAR (255)	NULL	what is the field mask for the control pointed to by control_defn_id
change_timestamp	DATETIME	NULL	
control_defn_id	INTEGER	NULL	Is either the id of a control in alct_control_defn or a row in alct_adc_defn table
control_defn_source	INTEGER	NULL	If null or 0, control_defn_id references a specific control in alct_control_defn. If 1, control_defn_id references an ADC control in the new alct_adc_defn table. Other uses are planned, but are not yet implemented.
tool_tip	VARCHAR (255)	NULL	
bob_type	VARCHAR (255)	NULL	This refers to the bob the field is referring to
bob_element	VARCHAR (255)	NULL	This refers to the bob element the field is referring to (if both bob_type and bob_element are specified, search for the component by bob type and element. If not, check to see if control_defn_id is specified, if specified; search by component id instead)

Table 329: Keys

Key Name	Key Type	Keys
PK__alc76969D2E	Primary Key	field_attribute_id

Table 330: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

Attributes

Keys

Relationships

alco_field_defaults

This table is used to configure the field defaults.

Table 331: Attributes

Column	Type	Null	Description
field_defaults_id	INTEGER	NOT NULL	
bob_type	INTEGER	NOT NULL	
bob_element	VARCHAR (63)	NOT NULL	
source_type	INTEGER	NOT NULL	
init_context	VARCHAR (255)	NULL	
source_value	VARCHAR (255)	NOT NULL	
display_name	VARCHAR (255)	NOT NULL	
priority	INTEGER	NULL	
overwrite	INTEGER	NULL	
constraint_expression	LONG VARCHAR (18)	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
constrain_insertion	SMALLINT (5)	NULL	
insert_into_non_new	SMALLINT (5)	NULL	This value controls whether or not a given field default must be applied when a BOb is added to the DataContext and the BOb is not new (see DataContext.isNew-Bob(BOb bob)). This is specifically relevant to Document level initialization defaults and Credit Card imports because unlike line items generated while creating a document these BObs are not "new."

Table 332: Keys

Key Name	Key Type	Keys
PK387	Primary Key	field_defaults_id

Table 333: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_field_population

This table defines the data used to configure the dynamic field population feature. This is group based corporate data. So corresponding entries must exist in alco_membership for field population to be active for any specified user.

Table 334: Attributes

Column	Type	Null	Description
field_population_id	INTEGER	NOT NULL	
display_name	VARCHAR (255)	NOT NULL	The string that is displayed for identifying a record during administration
init_context	VARCHAR (255)	NOT NULL	The full path of the callback the population definition must be applied to. Example: largesoft.er.ERCreateScreenCB
brm_id	INTEGER	NOT NULL	The uid of Bob relationship management (BRM) definition that applies to this population scheme. Example: VendorByExpense would be 3034006
trigger_bob_type	INTEGER	NOT NULL	The integer representation of the Bob type whose element change triggers the population Example: for Expense Report it would be 100
trigger_element_type	VARCHAR (63)	NOT NULL	The string name of the element in the trigger bob type that triggers the population Example: purpose
many_bob_set	VARCHAR (255)	NULL	If the bob set that maps the Bob specified by the target_bob_type.target_bob_el-

Column	Type	Null	Description
			ement is a named bob set specify that. If that is the default Bob set, this can be null
target_bob_type	INTEGER	NOT NULL	The integer representation of the type of Bob whose target element is populated by the many bobs specified in the BRM. Example: Expense Line Item would be 101
target_ele-ment_type	VARCHAR (63)	NOT NULL	The string representation of the element of the target Bob that is populated by the many bobs specified in the BRM. Example; expenseType
remember_bob	SMALLINT (5)	NULL	If a field population change occurs and the old current bob is valid for the new population, set the same Bob current again. Valid entries are 1=true, 0=false. This defaults to true with respect to the implementation client code if no value is provided.
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 335: Keys

Key Name	Key Type	Keys
PK464	Primary Key	field_population_id

Table 336: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_flattened_group

Table 337: Attributes

Column	Type	Null	Description
flattened_group_id	INTEGER	NOT NULL	
parent_group_id	INTEGER	NOT NULL	primary key
child_group_id	INTEGER	NOT NULL	primary key

Column	Type	Null	Description
reference_count	SMALLINT (5)	NOT NULL	This indicates the active status of the record. Also, indicates the number of references defined for a parent-child relationship.
status_change_time	DATETIME	NULL	This indicates the time when this record is inserted or last modified.

Table 338: Keys

Key Name	Key Type	Keys
PK271	Primary Key	parent_group_id, child_group_id
AK1001	Alternate Key	flattened_group_id

Table 339: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_group_defn	alco_flattened_group	0	group_id
alco_group_defn	alco_flattened_group	0	group_id

alco_fx_rate

Table 340: Attributes

Column	Type	Null	Description
fx_rate_id	INTEGER	NOT NULL	bob uid
currency_fmt_defn_id	INTEGER	NULL	Currency this exchange rate applies to
valid_date	DATETIME	NOT NULL	Exchange rates can change daily. This is the date of fx_rate.'
fx_rate	NUMERIC (20)	NULL	The foreign exchange rate from currency_fnt_defn_id to the system base currency as defined by appl parameter FX.baseCurrency. For example, if FX.baseCurrency = 3500501 (USD) and currency_fmt_defn_id = 3500502 (GBP) then fx_rate would typically around 1.54. Multiplying an amount in the foreign currency (GBP) by this results in the equivalent amount in the base currency (USD).

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	

Table 341: Keys

Key Name	Key Type	Keys
PK__alc787EE5A0	Primary Key	fx_rate_id
XAK1alc_fx_rate	Alternate Key	valid_date, currency_fmt_defn_id

Table 342: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alco_fx_rate	3	currency_fmt_defn_id

alco_group_defn

This table is used to store the group information. This is used primarily to group data or users. Also the group is used to specify Roles. Roles are used to assign permission for different functions (for example, ER Role, PR Buyers) to users. Another use of groups is to specify what data an administrator can administer.

So, groups can be of these types:

- Data Group: Used to group data or business rules
- User Group: Used to group users
- Role Group: Used to represent permission for a resource (see alco_resource, alco_permission_assignment), activity (see alwf_activity_permission) or process (see alco_process_permission). In real sense, Roles are not groups as these don't contain anything. But this table is being used to hold roles as well.
- Admin Group: Used to group other groups or data for administration purposes.

Table 343: Attributes

Column	Type	Null	Description
group_id	INTEGER	NOT NULL	primary key
group_name	VARCHAR (255)	NULL	This is the name of the group.
group_description	VARCHAR (255)	NULL	Description of the group.
group_type_code	INTEGER	NOT NULL	It's an int. Values are 1- Role 2 - Data

Column	Type	Null	Description
			4 - Admin
			8 - User
group_active_status	SMALLINT (5)	NOT NULL	Values 0 = NOT ACTIVE 1 = ACTIVE
external_data	VARCHAR (255)	NULL	Portal generated ID.
change_timestamp	DATETIME	NULL	
available_in_report	SMALLINT (5)	NULL	

Table 344: Keys

Key Name	Key Type	Keys
PK__alc7A672E12	Primary Key	group_id
XOPT_03020102	Inversion Entry	group_name

Table 345: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_group_defn	alwf_activity_permission	3	group_id
alco_group_defn	alwf_process_permission	3	group_id
alco_group_defn	alco_user_access	0	group_id
alco_group_defn	alco_flattened_group	0	group_id
alco_group_defn	alco_flattened_group	0	group_id
alco_group_defn	alwf_workload_state	1	group_id
alco_group_defn	alco_user_group_access	0	group_id
alco_group_defn	alco_user_group_access	0	group_id
alco_group_defn	alwf_reviewer_list	3	group_id
alco_group_defn	alwf_reviewer_permission	1	group_id
alco_group_defn	alwf_reviewer_permission	3	group_id
alco_group_defn	alco_proxy	3	group_id
alco_group_defn	alwf_act_perm_for_controller	3	group_id

alco_guest

Table 346: Attributes

Column	Type	Null	Description
guest_id	INTEGER	NOT NULL	PK - unique bob id
user_id	INTEGER	NULL	When a user creates a personal Guest, their UID is saved here. For corporate Guests, this is null.
self_id	INTEGER	NULL	If the Guest represents someone in alco_user the UID of the guest is saved here. We require this for the 'Add Self' functionality.
complete	SMALLINT (5)	NOT NULL	Whether the Guest has all required data filled in. Incomplete Guests can be used as place-holders in offline mode.
external_id	VARCHAR (255)	NULL	The external id of the Guest, which is often (but not always) the same as alco_external_key's external_key. This is stored here for easy searching because large companies (for example; pharmaceuticals) often refer to Guests by some id rather than name
first_name	VARCHAR (255)	NULL	The first name of the Guest.
last_name	VARCHAR (255)	NULL	The last name of the Guest.
company	VARCHAR (255)	NULL	The company of the Guest.
title	VARCHAR (255)	NULL	The title of the Guest.
location_id	INTEGER	NULL	Primary key (a Bob Id).
adc1	VARCHAR (255)	NULL	Additional columns that customers can use to capture non-standard Guest data.
adc2	VARCHAR (255)	NULL	Additional columns that customers can use to capture non-standard Guest data.
adc3	VARCHAR (255)	NULL	Additional columns that customers can use to capture non-standard Guest data.
adc4	VARCHAR (255)	NULL	Additional columns that customers can use to capture non-standard Guest data.
adc5	VARCHAR (255)	NULL	Additional columns that customers can use to capture non-standard Guest data.
adc6	VARCHAR (255)	NULL	Additional columns that customers can use to capture non-standard Guest data.

Column	Type	Null	Description
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
external_flag	SMALLINT (5)	NULL	Whether the Guest is a member of the company of the user. In case a company with 1000 employees only bought 100 Extensity licenses, there would only be 100 users in alco_user, thus we cannot just depend on whether self_id is null.
combo_adc1	INTEGER	NULL	Contains dropdown ADC1 value
combo_adc2	INTEGER	NULL	Contains dropdown ADC2 value
combo_adc3	INTEGER	NULL	Contains dropdown ADC3 value
combo_adc4	INTEGER	NULL	Contains dropdown ADC4 combo
combo_adc5	INTEGER	NULL	Contains dropdown ADC5 value
combo_adc6	INTEGER	NULL	Contains dropdown ADC6 value
primary_address_id	INTEGER	NULL	The primary address of the guest
occupation_id	INTEGER	NULL	The occupation of the guest

Table 347: Keys

Key Name	Key Type	Keys
PK450	Primary Key	guest_id
self_id_idx	Inversion Entry	self_id
guest_location_idx	Inversion Entry	location_id
guest_user_idx	Inversion Entry	user_id

Table 348: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_guest	3	user_id
alco_user	alco_guest	3	user_id
alco_location	alco_guest	3	location_id
alco_address	alco_guest	3	address_id
alco_occupation	alco_guest	3	occupation_id
alco_guest	alco_guest_wrapper	1	guest_id
alco_guest	alco_guestlist_guest_wrap	1	guest_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_guest	alco_license	1	guest_id

alco_guest_count_detail

This table stores the guest counts for a specific guest type (internal, external, and so on)

Table 349: Attributes

Column	Type	Null	Description
guest_count_detail_id	INTEGER	NOT NULL	Unique id
parent_id	INTEGER	NOT NULL	Line item (parent) id
external_flag	SMALLINT (5)	NOT NULL	Code indicating guest type (internal=0, external=1, and so on). These same codes are used in alco_guest.external_flag
guest_count	INTEGER	NOT NULL	The guest count for this guest type
change_timestamp	DATETIME	NULL	Change timestemp

Table 350: Keys

Key Name	Key Type	Keys
PK495	Primary Key	guest_count_detail_id
idx_parentI1	Inversion Entry	parent_id

Table 351: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_guest_type

This table contains the guest types. The default guest types are Internal and External but some customers create new guest types for more detailed classifications (such as External Sales Rep).

Table 352: Attributes

Column	Type	Null	Description
guest_type_id	INTEGER	NOT NULL	The uid
name	VARCHAR (255)	NOT NULL	The guest type name
code	SMALLINT (5)	NOT NULL	The guest type code
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 353: Keys

Key Name	Key Type	Keys
PK542	Primary Key	guest_type_id
idx_guest_type_code	Alternate Key	code

Table 354: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_guest_wrapper

Each row in this table is a guest associated with a line item in an expense report.

Table 355: Attributes

Column	Type	Null	Description
guest_wrapper_id	INTEGER	NOT NULL	id
parent_id	INTEGER	NOT NULL	The UID of the LineItem (from either aler_expense_line_item or altr_line_item) of which this GuestWrapper is a child.
guest_id	INTEGER	NOT NULL	PK - unique bob id
change_timestamp	DATETIME	NULL	
native_amount	NUMERIC (20)	NULL	The per-guest native amount
native_amount_id	INTEGER	NULL	
paid_in_amount	NUMERIC (20)	NULL	The per-guest paid-in amount
paid_in_amount_id	INTEGER	NULL	
adc1	VARCHAR (255)	NULL	The text adc1

Column	Type	Null	Description
adc2	VARCHAR (255)	NULL	The text adc2
adc3	VARCHAR (255)	NULL	The text adc3
adc4	VARCHAR (255)	NULL	The text adc4
adc5	VARCHAR (255)	NULL	The text adc5
adc6	VARCHAR (255)	NULL	The text adc6
combo_adc1	INTEGER	NULL	The dropdown adc1
combo_adc2	INTEGER	NULL	The dropdown adc2
combo_adc3	INTEGER	NULL	The dropdown adc3
combo_adc4	INTEGER	NULL	The dropdown adc4
combo_adc5	INTEGER	NULL	The dropdown adc5
combo_adc6	INTEGER	NULL	The dropdown adc6

Table 356: Keys

Key Name	Key Type	Keys
PK__alc7C4F7684	Primary Key	guest_wrapper_id
idx_parentl	Inversion Entry	parent_id

Table 357: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_guest	alco_guest_wrapper	1	guest_id

alco_guestlist

This table contains the guest lists.

Table 358: Attributes

Column	Type	Null	Description
guestlist_id	INTEGER	NOT NULL	The uid
name	VARCHAR (255)	NOT NULL	The guest list name
description	VARCHAR (255)	NULL	A description of the guest list
active_status	SMALLINT (5)	NOT NULL	The active status

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	The change timestamp
user_id	INTEGER	NULL	The user id if the list is created by the user.

Table 359: Keys

Key Name	Key Type	Keys
PK539	Primary Key	guestlist_id

Table 360: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_guestlist	3	user_id
alco_guestlist	alco_guestlist_guest_wrap	1	guestlist_id
alco_guestlist	alco_guestlist_guestlist_wrap	1	guestlist_id
alco_guestlist	alco_guestlist_guestlist_wrap	1	guestlist_id

alco_guestlist_guest_wrap

This table contains the mappings of which guests belong to which guest lists.

Table 361: Attributes

Column	Type	Null	Description
guestlist_guest_wrap_id	INTEGER	NOT NULL	The uid
change_timestamp	DATETIME	NULL	The change timestamp
guestlist_id	INTEGER	NOT NULL	The id of the guest list
guest_id	INTEGER	NOT NULL	The id of the guest

Table 362: Keys

Key Name	Key Type	Keys
PK540	Primary Key	guestlist_guest_wrap_id
idx_glguestwrap_gl	Inversion Entry	guestlist_id

Key Name	Key Type	Keys
idx_glguestwrap_g	Inversion Entry	guest_id

Table 363: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_guestlist	alco_guestlist_guest_wrap	1	guestlist_id
alco_guest	alco_guestlist_guest_wrap	1	guest_id

alco_guestlist_guestlist_wrap

Guest lists can be hierarchical, so this table contains the mappings of which guest lists are children of other guest lists.

Table 364: Attributes

Column	Type	Null	Description
guestlist_guestlist_wrap_id	INTEGER	NOT NULL	The uid
change_timestamp	DATETIME	NULL	The change timestamp
guestlist_id	INTEGER	NOT NULL	The id of the guest list
child_guestlist_id	INTEGER	NOT NULL	The id of the guest list

Table 365: Keys

Key Name	Key Type	Keys
PK541	Primary Key	guestlist_guestlist_wrap_id
idx_glglwrap_gl	Inversion Entry	guestlist_id
idx_glglwrap_childgl	Inversion Entry	child_guestlist_id

Table 366: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_guestlist	alco_guestlist_guestlist_wrap	1	guestlist_id
alco_guestlist	alco_guestlist_guestlist_wrap	1	guestlist_id

alco_holiday_sched_name

This table contains holiday schedule names. For example, US Standard, Canadian Standard, and so on.

Table 367: Attributes

Column	Type	Null	Description
holiday_sched_name_id	INTEGER	NOT NULL	id
holiday_sched_name	VARCHAR (255)	NULL	displayed name
holiday_sched_active_status	SMALLINT (5)	NOT NULL	active status
change_timestamp	DATETIME	NULL	

Table 368: Keys

Key Name	Key Type	Keys
PK__alc7E37BEF6	Primary Key	holiday_sched_name_id

Table 369: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_holiday_sched_name	alts_timesheet	3	holiday_sched_name_id
alco_holiday_sched_name	alco_holidays	3	holiday_sched_name_id
alco_holiday_sched_name	alts_timesheet_profile	3	holiday_sched_name_id

alco_holidays

This table lists the holidays in a holiday schedule.

Table 370: Attributes

Column	Type	Null	Description
holiday_id	INTEGER	NOT NULL	id
holiday_sched_name_id	INTEGER	NULL	fk into alco_holiday_sched_name
holiday_name	CHAR (40)	NULL	display name

Column	Type	Null	Description
holiday_date	DATETIME	NULL	date of holiday
holiday_active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 371: Keys

Key Name	Key Type	Keys
PK__alc00200768	Primary Key	holiday_id

Table 372: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_holi-day_sched_name	alco_holidays	3	holiday_sched_name_id
alco_holidays	alts_ot_method_parame-ter	3	holiday_id

alco_hotel_service_class

Table 373: Attributes

Column	Type	Null	Description
hotel_service_class_id	INTEGER	NOT NULL	
hotel_ser-vice_class_code	VARCHAR (4)	NULL	
hotel_ser-vice_class_name	VARCHAR (255)	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 374: Keys

Key Name	Key Type	Keys
PK430	Primary Key	hotel_service_class_id

Table 375: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_installed_application

This table describes which applications are installed at this site.

Table 376: Attributes

Column	Type	Null	Description
app_bob_id	INTEGER	NOT NULL	id
app_display_string	CHAR (60)	NULL	Display name of application, shown in about box
app_version_string	CHAR (10)	NULL	version string shown in about box
app_build_string	CHAR (20)	NULL	build number shown in about box
app_id	INTEGER	NOT NULL	Magic cookie, defined in large-soft.sys.AppInfo.java • 0 = admin tool • 1 = expense reports • 2 = travel plan • 3 = timesheets
business_process_id	INTEGER	NOT NULL	PK id of process
app_help_directory	VARCHAR (255)	NULL	
is_installed	CHAR (2)	NOT NULL	1 = application is installed; 0 means application is not installed
expired_usage	CHAR (16)	NULL	
change_timestamp	DATETIME	NULL	

Table 377: Keys

Key Name	Key Type	Keys
PK__alc02FC7413	Primary Key	app_bob_id

Table 378: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_business_process	alco_installed_application	1	business_process_id

alco_job_classification

This table defines the job classification.

Table 379: Attributes

Column	Type	Null	Description
job_class_id	INTEGER	NOT NULL	PK - a unique ID for this table.
name	VARCHAR (100)	NOT NULL	The name of the job classification. This must be unique.
description	VARCHAR (255)	NULL	
code	VARCHAR (50)	NOT NULL	Unique, internally used. The name may be changed by customers, or when the database is localized.
active_status	SMALLINT (5)	NOT NULL	Whether this record is active. 1 is active. 0 is inactive.
change_timestamp	DATETIME	NULL	

Table 380: Keys

Key Name	Key Type	Keys
PK359	Primary Key	job_class_id

Table 381: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_job_classification	alts_user_attributes	3	job_class_id

alco_labor_status

This table lists all the possible labor status types. For example, Exempt, Non-Exempt.

Table 382: Attributes

Column	Type	Null	Description
labor_status_id	INTEGER	NOT NULL	id
labor_status_name	VARCHAR (255)	NOT NULL	Name of this labor status. For example, 'Exempt'
labor_status_active_status	SMALLINT (5)	NOT NULL	Active or Removed

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	
code	VARCHAR (50)	NOT NULL	This defines the code of the labor status. This column is meant for internal and programming use. Some code is also hard coded in the report or the program. For example, to determine whether the user is exempt. US may use exempt, but Europe may use tariff. The code is always "Exempt", but the name can be different. This column is not internationalized or localized.

Table 383: Keys

Key Name	Key Type	Keys
PK__alc04E4BC85	Primary Key	labor_status_id

Table 384: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_labor_status	alts_timesheet	3	labor_status_id
alco_labor_status	alts_user_attributes	3	labor_status_id

alco_license

This is a license or work permit.

Table 385: Attributes

Column	Type	Null	Description
license_id	INTEGER	NOT NULL	UID
license_number	VARCHAR (255)	NOT NULL	The license number
details	VARCHAR (255)	NULL	Additional details of the license
start_date	DATETIME	NULL	The start date for which the license is valid.
end_date	DATETIME	NULL	The end date for which the license is valid.
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Column	Type	Null	Description
guest_id	INTEGER	NOT NULL	The guest for which the license was issued.
user_id	INTEGER	NULL	The id for user-created entries (currently unsupported).
license_type_id	INTEGER	NOT NULL	The type of license
address_id	INTEGER	NULL	The address of the agency that issued the license.

Table 386: Keys

Key Name	Key Type	Keys
PK559	Primary Key	license_id

Table 387: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_guest	alco_license	1	guest_id
alco_user	alco_license	3	user_id
alco_license_type	alco_license	1	license_type_id
alco_address	alco_license	3	address_id

alco_license_type

This table specifies the type of license, for example a medical license.

Table 388: Attributes

Column	Type	Null	Description
license_type_id	INTEGER	NOT NULL	UID
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the license type
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 389: Keys

Key Name	Key Type	Keys
PK558	Primary Key	license_type_id

Table 390: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_license_type	alco_license	1	license_type_id

alco_localization_string

Table 391: Attributes

Column	Type	Null	Description
localization_string_id	INTEGER	NOT NULL	Unique bob id
locale_string	VARCHAR (32)	NULL	The Locale of the resource key (for example en, fr, fr_CA).
resource_bundle	VARCHAR (255)	NULL	The path/name of the properties file that this entry would have been added to were we using the "old" method of defining resource keys. Do not include the locale portion or .properties suffix of the path/name.
key_string	VARCHAR (255)	NULL	The resource key (that is, the key used in the screen definition).
value_string	VARCHAR (2040)	NULL	The resource key value (that is, the looked-up string the user can actually see on the screen).
active_status	SMALLINT (5)	NULL	Whether the entry is active.
change_timestamp	DATETIME	NULL	Time when the entry is last modified.
value_string_original	VARCHAR (2040)	NULL	Indicates whether the row is a customization

Table 392: Keys

Key Name	Key Type	Keys
PK484	Primary Key	localization_string_id
locale_index	Inversion Entry	locale_string

Key Name	Key Type	Keys
lrk_index	Alternate Key	locale_string, resource_bundle, key_string

Table 393: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_location

This table is used to support the concept of location in general.

Table 394: Attributes

Column	Type	Null	Description
location_id	INTEGER	NOT NULL	Primary key (a Bob Id).
user_id	INTEGER	NULL	PK
county_id	INTEGER	NULL	Primary key (a unique bobid)
state_id	INTEGER	NULL	
country_id	INTEGER	NOT NULL	PK
city_name	VARCHAR (255)	NULL	
suburb_name	VARCHAR (255)	NULL	
street_name	VARCHAR (255)	NULL	
location_tax_rate_id	INTEGER	NULL	
location_active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
postal_code	VARCHAR (50)	NULL	

Table 395: Keys

Key Name	Key Type	Keys
PK__alc06CD04F7	Primary Key	location_id
XIF951alocation	Inversion Entry	user_id
XIF952alocation	Inversion Entry	country_id
XIF953alocation	Inversion Entry	state_id

Key Name	Key Type	Keys
XIF992alocation	Inversion Entry	county_id
XIF997alocation	Inversion Entry	location_tax_rate_id

Table 396: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_location_tax	alco_location	3	location_tax_rate_id
alco_county	alco_location	3	county_id
alco_state	alco_location	3	state_id
alco_country	alco_location	1	country_id
alco_user	alco_location	3	user_id
alco_location	alts_line_item	3	location_id
alco_location	aler_expense_line_item	3	location_id
alco_location	alts_tax_location	1	location_id
alco_location	alts_user_attributes	3	location_id
alco_location	alcc_transaction	3	location_id
alco_location	alhh_transaction	3	location_id
alco_location	alco_office	3	location_id
alco_location	alpd_eur_rate	3	location_id
alco_location	alpd_conus_oconus_perdiem	3	location_id
alco_location	alco_guest	3	location_id

alco_location_tax

This table contains the tax rates for different locations within US.

Table 397: Attributes

Column	Type	Null	Description
location_tax_rate_id	INTEGER	NOT NULL	
tax_percentage	FLOAT (8)	NULL	
est_hotel_tax	FLOAT (8)	NULL	
est_car_tax	FLOAT (8)	NULL	

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	

Table 398: Keys

Key Name	Key Type	Keys
PK__alc08B54D69	Primary Key	location_tax_rate_id

Table 399: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_location_tax	alco_location	3	location_tax_rate_id

alco_login_session

not defined

Table 400: Attributes

Column	Type	Null	Description
session_num	INTEGER	NULL	
login_session_id	INTEGER	NOT NULL	
login_time	DATETIME	NULL	
server	VARCHAR (255)	NULL	
user_id	INTEGER	NULL	
connection_id	VARCHAR (255)	NULL	
proxy_user_id	INTEGER	NULL	

Table 401: Keys

Key Name	Key Type	Keys
PK__alc0A9D95DB	Primary Key	login_session_id

Table 402: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_login_session	3	user_id

alco_membership

This table stores the membership of data/business rule/user to a group. One group can also be member of another group. In other words this table specifies what a group contains.

Table 403: Attributes

Column	Type	Null	Description
membership_id	INTEGER	NOT NULL	id
member_bob_type	INTEGER	NOT NULL	Type of bob that belongs to the group.
member_bob	INTEGER	NOT NULL	UID of bob that belongs to the group.
group_id	INTEGER	NOT NULL	UID of group bob that member belongs to.
member_active_status	INTEGER	NOT NULL	active status of membership record, not the member bob.
change_timestamp	DATETIME	NULL	

Table 404: Keys

Key Name	Key Type	Keys
PK__alc0C85DE4D	Primary Key	membership_id
XAK1alcmbership	Alternate Key	member_bob, member_bob_type, group_id
xopt1_ambership	Inversion Entry	member_bob_type, group_id
xopt2_ambership	Inversion Entry	member_bob_type, group_id, member_active_status
xopt3_ambership	Inversion Entry	change_timestamp, group_id
psr_mt_mb_s_gid	Inversion Entry	member_bob_type, member_bob, member_active_status, group_id
psr_am_mb	Inversion Entry	member_bob
psr_am_mbt	Inversion Entry	member_bob_type

Table 405: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_mileage_javascript

This table stores the javascript used during mileage calculation to modify the rate and /or amount.

Table 406: Attributes

Column	Type	Null	Description
mileage_javascript_id	INTEGER	NOT NULL	Bob id
script_name	VARCHAR (255)	NOT NULL	Name of the java script
script_description	VARCHAR (255)	NULL	Description of the javascript
script	LONG VARCHAR (18)	NOT NULL	The javascript body
active_status	SMALLINT (5)	NOT NULL	Active status
change_timestamp	DATETIME	NULL	Change timestamp

Table 407: Keys

Key Name	Key Type	Keys
PK532	Primary Key	mileage_javascript_id

Table 408: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_mileage_javascript	alco_mileage_rate_class	3	mileage_javascript_id

alco_mileage_period

This table specifies the mileage rate accumulation period.

Table 409: Attributes

Column	Type	Null	Description
period_id	INTEGER	NOT NULL	ID of the mileage rate accumulation period
start_date	DATETIME	NOT NULL	Specifies the start date of a mileage accrual period. The time is ignored. Only the date is considered. When defining the period, ensure that different records do not overlap each other.
end_date	DATETIME	NOT NULL	Specifies the end date of a mileage accrual period. The time is ignored. Only the date

Column	Type	Null	Description
			is considered. The end date is included in this period.
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
mileage_period_name	VARCHAR (100)	NOT NULL	

Table 410: Keys

Key Name	Key Type	Keys
PK445	Primary Key	period_id
IDX_MILEPRD_NM	Alternate Key	mileage_period_name

Table 411: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_mileage_period	alco_cumulative_miles	1	period_id

alco_mileage_rate

This table defines the reimbursement rate for a mile.

Table 412: Attributes

Column	Type	Null	Description
mileage_rate_id	INTEGER	NOT NULL	PK
reimburs_rate	FLOAT (8)	NULL	The amount of money paid for a mile or kilometer. The currency is assumed to be the user paid-in currency
take_effect_date	DATETIME	NOT NULL	The date when this rate takes effect. The rate used in the client is always the one with a most recent take_effect_date but still before or on the line item date
mileage_active_status	SMALLINT (5)	NULL	(Not currently used.)
expense_type_id	INTEGER	NULL	The expense type associated with this mileage. This is not a foreign key but a logical reference to alco_expense_type
change_timestamp	DATETIME	NULL	

Column	Type	Null	Description
description	VARCHAR (40)	NOT NULL	
expiration_date	DATETIME	NULL	Expiration date of the mileage rate
per_passenger_rate	NUMERIC (20)	NULL	The mileage rate per passenger
distance_low	INTEGER	NULL	This column specifies the lower threshold of the accumulated mileage amount. If the current accumulated mileage of the user is between this value and the distance_high, this record is applicable. This number: distance_low is included in the range. When defining the range, ensure that different records do not overlap each other.
distance_high	INTEGER	NULL	This column specifies the higher threshold of the accumulated mileage amount. If the current accumulated mileage of the user is between the distance_low and this value, this record is applicable. This number: distance_low is included in the range. When defining the range, ensure that different records do not overlap each other.
mileage_threshold	INTEGER	NULL	
rate_above_threshold	NUMERIC (20)	NULL	
distance_unit	CHAR (3)	NOT NULL	The unit of mileage rate

Table 413: Keys

Key Name	Key Type	Keys
PK__alc0E6E26BF	Primary Key	mileage_rate_id

Table 414: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_mileage_rate	aler_expense_line_item	3	mileage_rate_id
alco_mileage_rate	alco_user	3	mileage_rate_id

alco_mileage_rate_class

This table defines the mileage rate class which associates different mileage rate expense type with calculation applicable for the specified mileage rate class.

Table 415: Attributes

Column	Type	Null	Description
mr_class_id	INTEGER	NOT NULL	ID of the mileage rate class record
expense_type_id	INTEGER	NOT NULL	FK to alco_expense_type
class_name	VARCHAR (50)	NOT NULL	Name of the mileage rate class
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
implementation_class	VARCHAR (255)	NULL	This specifies the path and name of the java class which implements the IMultipleMileageRateClass interface. Since the client have various mileage rate requirements which are not yet covered, this allows new class to be implemented to accommodate the client specific request without other foundation change.
mileage_javascript_id	INTEGER	NULL	foreign key to alco_mileage_javascript

Table 416: Keys

Key Name	Key Type	Keys
PK442	Primary Key	mr_class_id

Table 417: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_expense_type	alco_mileage_rate_class	1	expense_type_id
alco_mileage_javascript	alco_mileage_rate_class	3	mileage_javascript_id

alco_mileage_route

This table contains the mileage route data.

Table 418: Attributes

Column	Type	Null	Description
mileage_route_id	INTEGER	NOT NULL	The id of mileage route
route_name	VARCHAR (255)	NOT NULL	The name of mileage route
user_id	INTEGER	NOT NULL	The id of the user
route_detail	LONG VARCHAR (18)	NOT NULL	The route information
distance	INTEGER	NOT NULL	The distance of the route
change_timestamp	DATETIME	NULL	The route created date and time
from_address_id	INTEGER	NULL	From address
to_address_id	INTEGER	NULL	To address
active_status	SMALLINT (5)	NOT NULL	Active Status
original_route_id	INTEGER	NULL	Original route id
billable	SMALLINT (5)	NOT NULL	Whether this route is billable to customer

Table 419: Keys

Key Name	Key Type	Keys
PK527	Primary Key	mileage_route_id

Table 420: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_mileage_route	1	user_id
alco_mileage_route	aler_expense_line_item	3	mileage_route_id
alco_mileage_route	alco_mileage_waypoint	1	mileage_route_id

alco_mileage_waypoint

This table contains the mileage waypoints information.

Table 421: Attributes

Column	Type	Null	Description
waypoint_id	INTEGER	NOT NULL	Primary key

Column	Type	Null	Description
address	VARCHAR (255)	NULL	The address of MileageWaypoint
sequence	INTEGER	NOT NULL	
latitude	NUMERIC (20)	NULL	The latitude (degree) on Map
longitude	NUMERIC (20)	NULL	The longitude (degree) on Map
locale_string	VARCHAR (10)	NULL	The locale of address string
change_timestamp	DATETIME	NULL	
mileage_route_id	INTEGER	NOT NULL	The id of mileage route (foreign key)
distance	INTEGER	NULL	Store the distance in meter

Table 422: Keys

Key Name	Key Type	Keys
PK548	Primary Key	waypoint_id

Table 423: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_mileage_route	alco_mileage_waypoint	1	mileage_route_id

alco_mru

This table is used for storing the MRU lists on a type and user basis.

Table 424: Attributes

Column	Type	Null	Description
mru_id	INTEGER	NOT NULL	Primary key Only used for updates/deletes
member_id	INTEGER	NOT NULL	Id of the item in the MRU list (a location for example)
type_id	INTEGER	NOT NULL	Type of the id (for example, location or project)
user_id	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	
favorite	INTEGER	NULL	Is this mru a favorite, in that this always appears, irrespective of how old the mru is

Column	Type	Null	Description
mru_set_name	VARCHAR (255)	NULL	Rather than have all MRU lists as global, this allows drop-downs to have individual lists (for example list of recent proxy users, list of recent manual routing users, and so on)

Table 425: Keys

Key Name	Key Type	Keys
PK__alc10566F31	Primary Key	mru_id
xopt01160101	Inversion Entry	user_id, type_id
XIF798X	Inversion Entry	mru_set_name

Table 426: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_note_entry

This table holds the notes, one note per row for a document. This replaces the note col. in some of the tables such as, aler_expense_report.

Table 427: Attributes

Column	Type	Null	Description
note_entry_id	INTEGER	NOT NULL	Primary Key, a bob ID.
parent_id	INTEGER	NOT NULL	The id of the parent document or line item for this note.
note_type	VARCHAR (255)	NOT NULL	Type of note. These are currently valid values: • 'note' • 'auditTrail'
message_text	LONG VARCHAR (18)	NULL	The note itself.
user_id	INTEGER	NOT NULL	The id of the user who created the note.
note_datetime	DATETIME	NULL	The date/time when the note is created.
change_timestamp	DATETIME	NULL	

Column	Type	Null	Description
is_editable	INTEGER	NULL	This flag indicates if a note entry is editable or not. This is controlled by the program. Users and managers can edit their notes until the document is submitted or approveed.

Table 428: Keys

Key Name	Key Type	Keys
PK__alc123EB7A3	Primary Key	note_entry_id
XIE1alcte_entry	Inversion Entry	parent_id

Table 429: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_notice_addressing

This table defines the recipients and/or addresses for the e-mail notification. Rows in this table are children of a row in the alco_notice_definition table. This table allows a notice to have multiple recipients and addresses of various types.

Table 430: Attributes

Column	Type	Null	Description
notice_address_id	INTEGER	NOT NULL	primary key
notice_address_type	INTEGER	NOT NULL	Identifies the type of address stored in this row. These are the values: • 1 - Extensity user id • 2 - Extensity group id • 3 - e-mail address
notice_recipient_type	INTEGER	NOT NULL	Identifies the type of recipient for this address. These are the values: • 1 - RCP (primary recipient) • 2 - secondary recipient • 3 - Bcc (blind cc)

Column	Type	Null	Description
notice_user_id	INTEGER	NULL	Contains an extensity user id (from alco_user table). The e-mail address is obtained from the alco_user table
notice_group_id	INTEGER	NULL	Contains an extensity user group id. An e-mail address is generated for each user member of this group.
			Note: A maximum of nn e-mail addresses are generated. This is a safety measure so that a large number of e-mails are not sent if the group includes a large number of users.
notice_email_address	VARCHAR (255)	NULL	An Internet format e-mail address where to send the e-mail. Defines a specific address
notice_definition_id	INTEGER	NOT NULL	FK pointing to a row in the alco_notice_definition table. The addressing or recipient in this row belongs to that notice.
notice_workitem_userid	CHAR (1)	NULL	Identifies a user id taken from the work item associated with the document. These are the values:
			• "c" - document creator
			• "o" - document owner
			• "p" - document proxy
			• "r" - document releaser
			• "s" - document suspender
			• " v" - document reviewer
address_active_status	SMALLINT (5)	NOT NULL	
no_msg_if_proxy_active	INTEGER	NULL	A flag that controls the sending of a notice to an approver when the proxy approver is active. A value 1 means that the notice is not sent to the approver. Instead the notice is sent to the active proxy approver.

Table 431: Keys

Key Name	Key Type	Keys
PK385	Primary Key	notice_address_id

Table 432: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_notice_definition	alco_notice_addressing	1	notice_definition_id

alco_notice_attachment

This table defines the various types of file attachments that must be included in an e-mail notification.

Table 433: Attributes

Column	Type	Null	Description
notice_attachment_id	INTEGER	NOT NULL	
notice_attachment_type	SMALLINT (5)	NOT NULL	
notice_attachment_class	VARCHAR (255)	NULL	Fully qualified java class name that provides the attachment file.
notice_attachment_args	VARCHAR (255)	NULL	Parameters to be passed to the class, tbd how
active_status	SMALLINT (5)	NOT NULL	
notice_definition_id	INTEGER	NOT NULL	
is_message_body	SMALLINT (5)	NOT NULL	

Table 434: Keys

Key Name	Key Type	Keys
PK409	Primary Key	notice_attachment_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_notice_definition	alco_notice_attachment	1	notice_definition_id

alco_notice_definition

This table holds definitions of e-mail notifications that are associated with an event in the alwf_notification_setup table. The e-mail addressing, subject, and message body are defined here.

Table 435: Attributes

Column	Type	Null	Description
notice_definition_id	INTEGER	NOT NULL	
notice_identifier	CHAR (10)	NULL	A unique identifier assigned to each e-mail notice definition. This is the format: AAnnnnWhere .AA = application idSuch as ER or TR
notice_title	VARCHAR (255)	NOT NULL	A character string that identifies the notice
notice_subject	VARCHAR (255)	NOT NULL	The subject for the e-mail. This message may have some place holder strings that are replaced with actual content from the document These are the valid place holder strings: • "%a%", placeholder for activity name • "%c%", placeholder for creator • "%d" document id (tracking number) • "%i%", placeholder for work item id • "%l%", placeholder for locker • "%o%", placeholder for owner • "%r%", placeholder for releaser • "%s%", placeholder for suspender • "%t%", placeholder for doc title • "%v%" placeholder for reviewer
notice_message	LONG VARCHAR (18)	NULL	The text message that are sent in the e-mail. This message may also have place holder strings that are replaced with actual contents when the e-mail is composed. Placeholder values are same as column notice_subject.
notice_active_status	SMALLINT (5)	NOT NULL	• 0 = notice is inactive • 1 = notice is active
notice_short_msg	VARCHAR (220)	NULL	A short form of the message text used for wap devices which have a limit of 220 characters
notice_description	VARCHAR (255)	NULL	
title_user_editable	INTEGER	NULL	Value 1 indicates that the title of a notice definition is not editable by user. Displayed as read-only in SAT.

Table 436: Keys

Key Name	Key Type	Keys
PK384	Primary Key	notice_definition_id
uniqueNoticeTitle	Alternate Key	notice_title

Table 437: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_notice_definition	alco_notice_addressing	1	notice_definition_id
alco_notice_definition	alco_notice_trigger	1	notice_definition_id
alco_notice_definition	alco_notice_attachment	1	notice_definition_id

alco_notice_frequency

This table is used to control the frequency and count of e-mail sent due to overflow and delay trigger conditions. This table is populated and maintained at runtime.

Table 438: Attributes

Column	Type	Null	Description
notice_frequency_id	INTEGER	NOT NULL	pk
user_id	INTEGER	NULL	user id of the recipient
notice_trigger_id	INTEGER	NULL	trigger id of trigger that cause the e-mail
notice_event_id	INTEGER	NULL	id of event, either an activity id or transition id that triggered the e-mail
work_item_id	INTEGER	NULL	id of work item associated with the e-mail
sent_count	INTEGER	NULL	number of times this e-mail has been sent
sent_time	DATETIME	NULL	latest date/time when the e-mail is sent

Table 439: Keys

Key Name	Key Type	Keys
PK424	Primary Key	notice_frequency_id

Table 440: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_notice_trigger

This table is used to define e-mail notification triggers (events that trigger a notification). This table replaces the existing table alwf_notification_setup.

Table 441: Attributes

Column	Type	Null	Description
notice_trigger_id	INTEGER	NOT NULL	
notice_event_id	INTEGER	NOT NULL	The bob id of the event that triggers the e-mail. This id can be: Activity_id - to trigger notices on workflow activity changes. This supports the current implementation of e-mail notices. Corresponds to notify_type values e or w and is left for backward compatibility. This must not be used in Rel 6.0 and later. Id corresponds to a row in alwf_activity table Activity_transition_id. The id of a row in the alwf_activity_transition table. To trigger an e-mail on a workflow activity transition. This event replaces the activity_id. Trigger_id: an id that is defined by an application (i.e., Purchase Requisitions). Receipt of this trigger by the Notification service, results in an application pre-defined e-mail to be sent.
notice_event_type	CHAR (1)	NOT NULL	The types of e-mail notification triggers that are supported. These are the possible values: • t - application triggered event • w - workflow event generated (replaces vold value e) • z - activity transition. Defines an e-mail for an activity transition as defined in the alwf_activity_transition table. .

Column	Type	Null	Description
notice_definition_id	INTEGER	NOT NULL	FK. The id of a Notification row in the alco_notification_definition table that defines the notice (e-mail). This new table holds the previous addressing, and e-mail subject and body removed from the alwf_notification_setup table.
notice_event_parameter	CHAR (1)	NULL	The event qualifier that specifies the condition(s) that generates a notice. (The type of event that triggers the notification to be sent). This column applies to some event types only. These are the supported values: For event type = w where the event trigger id is an activityId. • NOTIFY_ON_LOCK = l • NOTIFY_ON_SUSPEND =s • NOTIFY_ON_RELEASE = r • NOTIFY_ON_TRANSFER = t • NOTIFY_ON_DELETE = d • NOTIFY_ON_ENTER_ACT = e • NOTIFY_ON_EXIT_ACT = x • NOTIFY_ON_OVERFLOW = o • NOTIFY_ON_DOC_LATE = w • NOTIFY_ON_PROXY_SUBMIT = p • NOTIFY_ON_PROXY_RESPOND = m • NOTIFY_ON_ACTIVITY_TIMEOUT = a • NOTIFY_ON_DEADLINE = i (deadline trigger) • NOTIFY_ON_MAXCOUNT = c (maxcount trigger-doc. count in activity queue exceeds max. value)
event_parameter_value	INTEGER	NULL	Some event_parameters require a value to be associated with the parameter. This column contains the numeric value that applies to the parameter. These are the supported values: • For NOTIFY_ON_OVERFLOW value is the count of documents for a user in an activity queue that will trigger a notice.

Column	Type	Null	Description
			• For NOTIFY_ON_DOC_LATE the value is the number of hours that a document stays in an activity queue after which it will generate a notice.
			• For NOTIFY_ON_ACTIVITY_TIME-OUT the value represents the number of hours that a document is in an activity queue after which the document is transition to an escalation activity.
trigger_active_status	SMALLINT (5)	NOT NULL	
notice_exception_only_flag	SMALLINT (5)	NULL	value 1 means the notice applies only to documents that contain exceptions
notice_max_sent_count	INTEGER	NULL	a number that indicates how many times to send a notice if the trigger condition persists
notice_adjustment_flag	SMALLINT (5)	NULL	a value 1 means the notice applies only to documents which have reviewer adjustments
launch_app_attachment	SMALLINT (5)	NULL	a value of 1 indicates to build an xml attachment file to launch the extensity app from the e-mail for the document
notice_send_frequency	INTEGER	NULL	interval in hours to resend a notice, which is sent up to notice_max_sent_count times
notice_daily_start_time	INTEGER	NULL	The time of day when to start sending the notice. Expressed in minutes. For example: 8:00 AM value is 480 minutes
rejected_exception_only	SMALLINT (5)	NULL	Value 1 means that the e-mail notice must be sent only if the Document has rejected exceptions (based on the value of the work item col. rejected_exceptions)
deadline_type	CHAR (1)	NULL	Valid for trigger type "deadline", value 'i' in notice_event_parameter. Defines the time period used to calculate the deadline date/time. These are the values: • 'w' - weekly • 'm' - monthly • 'q' - quarterly • 'p' - work period (Time Sheets)

Column	Type	Null	Description
			. The col. event_parameter_value has the day in the time period to use for the deadline Example: for weekly period a value of 1 denotes the first day of the week for monthly period, a value of 10 indicates the 10th day of the month.
user_notice_permission	CHAR (1)	NULL	Identifies a user id taken from the work item associated with the document to check for access permission to the notice definition. These are the values: • "c" - document creator • "o" - document owner • "p" - document proxy • "r" - document releaser • "s" - document suspender • " v" - document reviewer . If this col. is not null, but contains one of the above values, then the e-mail notice is sent only if the user in question has permission access to the notice definition. If the column has a value NULL, the e-mail notice is sent regardless of group membership permissions.
deadline_date	DATE	NULL	The specific date for deadline type 'd'. This is the YYYY-MM-DD portion of the date. The time HH:mm is in the col. Notice_daily_start_time
deadline_time_zone	VARCHAR (25)	NULL	The time zone id that must be used to calculate the deadline time for the notice. This may be different from the Appserver time zone. Currently the three character id is used but this allows for the use of the Java 1.2 longer time zone ids. If this column is null, then the default time zone for the appserver is used.
deadline_day	INTEGER	NULL	An integer that represents the day of the deadline period. Positive values indicate days from the beginning of the period. Negative values indicate days from the end of the period. Examples: For "weekly" periods, 1 denotes the firs day of the week (Sunday).Value 4 - denotes Wednesdayvalue -1 denotes the last day of the week. For monthly period:1 - denotes the first day of the month10 -

Column	Type	Null	Description
			denotes the tenth day of the month. -1 - denotes the last day of the month,
notice_audit_log_flag	SMALLINT (5)	NULL	Whether to send e-mail if the document has any audit log entries

Table 442: Keys

Key Name	Key Type	Keys
PK386	Primary Key	notice_trigger_id

Table 443: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_notice_definition	alco_notice_trigger	1	notice_definition_id

alco_notification_mime_msg

Table 444: Attributes

Column	Type	Null	Description
notification_message_id	INTEGER	NOT NULL	The primary key of the table. This is a sequential number assigned to a notification when this is added to the notification store. The number starts with 1 and is incremented by one for every new notification added to the store.
mime_msg	LONG VARCHAR (18)	NULL	Store the mime format of msg

Table 445: Keys

Key Name	Key Type	Keys
PK473	Primary Key	notification_message_id

Table 446: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_notification_store	alco_notification_mime_msg	1	notification_message_id

alco_notification_parms

This table holds configuration parameters for application triggered notifications. The parameters in this table allow a system administrator to make notifications configurable for rcp, cc and bcc addressing and notification media type (e-mail, voice mail, and so on). These configuration parameters supported in the initial implementation:

- RCP addressing: allows for multiple addressees (users, groups, specific addresses)
- CC addressing: allows for multiple addressees (users, groups, specific addresses)
- BCC addressing: allows for multiple addressees (users, groups, specific addresses)
- media type: allows for various transmission media (email, voicemail, fax)

Note: Only e-mail is supported in the first implementation.

Table 447: Attributes

Column	Type	Null	Description
notification_parm_id	INTEGER	NOT NULL	PK - a unique bobid used to identify the row.
notify_trigger_id	INTEGER	NOT NULL	The trigger id for this notification. This value corresponds to an entry in the alwf_notification_setup table. Multiple rows are allowed for this column. since each row is used to define a notification configuration for the notice and multiple configurations are allowed for a notice. For example: row 1 - may specify a user id RCP ro2 2 - may specify a group id RCP
notify_recipient_type	CHAR (3)	NOT NULL	Defines the type of recipient addressing for the notification. These are the supported values: • RCP - for recipient • CC - for email CC • BCC - for blind CC
notify_address_type	INTEGER	NOT NULL	Designates the type of address specified in this row and to use for the notification. The notification service uses this value to determine which one of the addresses in this row must be used. These are the values: • 01 - USER_ID The recipient address is in this row is an Extensity User id. (in col. notify_recipient_id) • 02 - GROUP_ID The recipient address in this row is an Extensity group id. (in col. notify_recipient_id)

Column	Type	Null	Description
			• 03 - FIXED_DEST The address in this row is a given address (in col. notify_specific_address)
			• 10 - WI_OWNER Use the address of the work item document owne user id
			• 11 - WI_CREATOR Use the address of the work item document created by user id
			• 12 - WI_PROXY Use the address of the work item document proxy
			• 13 - WI_REVIEWER Use the address of the work item document reviewer
			• 14 - WI_RELEASER Us
			. .
notify_recipient_id	INTEGER	NULL	Either an Extensity User Id or Group Id that identifies the recipients for the notification. Multiple rows are allowed when there is more than one user Id or group Id. This value may be null. This means that a specific address has been made in the col. notify_specific_address.
notify_specific_address	VARCHAR (255)	NULL	A valid address. This value is valid when the notify_recipient_id is null. The address specified in this col. is used to send the notification.
notify_media_type	CHAR (5)	NULL	Transport media type used by notification. Currently only supports 'e-mail' value. e-mail - Use SMTP transport MIME type email.
active_status	SMALLINT (5)	NOT NULL	

Table 448: Keys

Key Name	Key Type	Keys
PK__alc14270015	Primary Key	notification_parm_id

Table 449: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_notification_store

This table is used to track the Extensity application notifications that are stored in the notification store. The current implementation of the store consists of:

* table alco_notification_store which contains the data elements of the message header and assignes a unique id to each message added to the store.
* A directory of sequential files that contains the serialized version of the message. The table rows and their corresponding sequential files are purged periodically based on user selected time criteria. The NotifyMonitor class schedules the periodic clean ups. There is also a synchronization activity scheduled by the NotificationMonitor on request (appl_parameters entry) that will make sure that every entry in this table has a corresponding sequential file. Any entries with no sequential file are removed from the table. Any sequential files with no corresponding entry in the table are removed from the sequential file directory.

Table 450: Attributes

Column	Type	Null	Description
notification_message_id	INTEGER	NOT NULL	The primary key of the table. This is a sequential number assigned to a notification when this is added to the notification store. The number starts with 1 and is incremented by one for every new notification added to the store.
msg_type	INTEGER	NOT NULL	The type of notification message. These following types (values) are supported: • 10 - EMAIL_NOTICE: These notices are formatted as MIME messages and sent by e-mail. • 20 - FAX_NOTICE: Not supported currently • 10 - EMAIL_SINGLEPART_NOATTACHMENT Message is e-mail, single part with no attachments • 11 - MAIL_SINGLEPART_ATTACHMENTS Message is e-mail, single part with attachments (usually file attachments). This message type is used to transmit files to an external user and provides an alternative to FTP file transfers. • 20 - EMAIL_MULTIPART_NOATTACHMENTS Message is multi-part. No attachments. • 21 - EMAIL_MULTIPART_ATTACHMENTS Message is multi-part with attachments. Probably file attachments. Message types 10, 11, 20, 21 (E-mail) are sent as MIME format messages by e-mail.

Column	Type	Null	Description
			Future types may include: Fax messages Voice mail messages.
msg_subtype	INTEGER	NOT NULL	For a given message type, this column defines a specific format of the message. For msgType 10 (EMAIL_NOTICE):
			• Value 101 - EMAIL_SINGLEPART_NOATTACHMENT Message is e-mail, single part with no attachments
			• Value 102 - MAIL_SINGLEPART_ATTACHMENTS Message is email, single part with attachments (usually file attachments) This message type is used to transmit files to an external user and provides an alternative to FTP file transfers.
			• Value 103 - EMAIL_MULTIPART_NOATTACHMENTS Message is multi-part. No attachments.
			• Value 104 - EMAIL_MULTIPART_ATTACHMENTS Message is multi-part with attachments. Probably file attachments. Future types may include: Fax messages Voice mail messages.
msg_status	INTEGER	NOT NULL	This value represents the state of the message in the notification store. These are the values:
			• 00 - NEW_MSG Message is to be added to the store . This message can be added to the SENT, PENDING, or DEAD folders in the store.
			• 10 - COMPLETED_MSG Message has been processed succesfully and is being archived in the SENT folder.
			• 20 - RETRY_MSG Message is to be put in the PENDING folder for transmission at a later time. This is the result of a failure to send the message initially and the recovery is requested.
			• 30 - SCHEDULED_MSG Message is put in the PENDING folder. The message is scheduled to be sent at a later time.
			• 50 - FAILED_MSG Message is put in the DEAD folder. It failed due to some unrecoverable error such as: Invalid addresses, Invalid message format.

Column	Type	Null	Description
msg_folder	INTEGER	NOT NULL	The logical folder where a message is located. These folders are definec: • 10 - PENDING_FOLDER Messages in this folder are awaiting transmission. • 20 - SENT_FOLDER Messages in this folder have been succesfully sent. This is the archived location where messages stay until purged by the archive utility. • 30 - DEAD_FOLDER This folder contains messages that could not be processed because of some unrecoverable error. These are the possible error conditions: • Invalid Addresses -Invalid or unsupported message types • Unserializable messages -Messages that generate • NotificationException -Malformed messages.
msg_delivery_status	INTEGER	NULL	• A value 0: means that this row is for a newly generated e-mail that has not been delivered yet. • A value 1: means that this e-mail has been delivered successfully. • A value -1: means that the delivery of the e-mail failed. E-mail notice stays in the store pending retries by the e-mail retry monitor which attempts to send the e-mail up to max number of retries.
msg_delivery_timing_method	INTEGER	NOT NULL	Defines the timing of delivery for a message. These are the values: • 10 - SEND_NOW Message will be sent as soon as it is generated. • 11 - SEND_DELAYED Wait specified number of hours from generation to deliver. • 12 - SEND_SCHEDULED Send message at the date/time requested
msg_delay_interval	INTEGER	NULL	The time interval to delay a message before sending the message. This value is in minutes. The message waits this interval from the time the message is added to the store, before the message is scheduled to be sent.

Column	Type	Null	Description
msg_scheduled_time	DATETIME	NULL	The requested date/time to send the message after that is added to the store. This is a timestamp Timestamp resolution is to minutes. Example: 1999-06-21 12:15 Send message on June 6, 1999 at 12:15 pm
msg_retry_type	INTEGER	NOT NULL	This column defines the type of recovery action to take in case of transmission failures. These are the values: • 10 - SEND_RETRY_NONE Do not recover message if it fails. Failed messages are moved to the DEAD folder and no further action is taken • 11 - SEND_RETRY_ONCE Make one attempt to re-transmitt the message if it fails in the first attempt. If it fails again, move it to the DEAD folder • 12 - SEND_RETRY_MULTI Attempt to re-transmit failed message until maximum retry count is exceeded. Maximum retry count is a system variable that specifies how many times to retry a message
msg_retry_count	INTEGER	NULL	A counter that tracks of how many times the message has been re-sent. When this value reaches the maximum allowed value by the system (a user option) the message is considered FAILED and is moved to the DEAD folder.
msg_stored_datetime	DATETIME	NULL	The timestamp when the row corresponding to the message is specified in the table.
msg_serialized_file_nm	VARCHAR (255)	NULL	The name of the sequential file that contains the serialized form of the message. These files are stored in the NotificationStore directory. File naming convention is: MS-Gnnnnn.ser where: MSG - Literal Prefix. nnnnn - a sequential number unique to a file. .ser - file extension (for serialized).
msg_subject	VARCHAR (255)	NULL	Contains the subject of the message. Up to 255 characters. This provides a minimal search argument to locate some messages.

Table 451: Keys

Key Name	Key Type	Keys
PK__alc160F4887	Primary Key	notification_message_id

Table 452: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_notification_store	alco_notification_mime_msg	1	notification_message_id

alco_notification_tracking

This table tracks whether e-mails have already been sent to the user for a specific purpose.

1) For EBL, there is a background process that checks if the receipt packet is received by certain number of days after filing an expense report. If the receipt packet is not received, the background process sends an e-mail to the owner. Since only one reminder must be sent to the user, the background process inserts a row into this table, and in subsequent runs, checks this table to see if the e-mail is already sent.

2) Entries are made into this table also by the Overflow and Delay workflow notification monitor to keep track of when and how many notices are sent to a user.

For overflow and delay triggered notices, the entry is made the first time of day that the notice is sent to the user and then the sent_count column is updated every time a new notice is sent.

Table 453: Attributes

Column	Type	Null	Description
notification_tracking_id	INTEGER	NOT NULL	
work_item_id	INTEGER	NULL	The work item id associated with the document for which the e-mail notification is sent. At present valid for EBL and Delay triggerd notices which are always associated with a specific document. May be null for other types of notices (for example, overflow notices)
user_id	INTEGER	NULL	The user id of the user who is receiving the notice. This column is valid for overflow triggered notices which are associated with a user but may apply to a number of documents (For example, Overflow count of Expense Reports in a given review activity).
date_notification_sent	DATETIME	NOT NULL	The date/time when the notification is sent.

Column	Type	Null	Description
notification_type	INTEGER	NOT NULL	The reason why the notification was sent.
			• Value 1 = for EBL, receipt checking notce sent. The background process sets this to 1.
			• Value 2 = Overflow triggered notice sent.
			• Value 3 = Delay triggered notice sent.
			Note: Other values may be added later so that other modules can use this table to track their e-mail notifications.
notification_sent_count	INTEGER	NULL	The number of times this specific e-mail is sent. Overflow and Delay triggered notices can be sent up to a user specified maximum number of times if the trigger condition persists. This value is updated every time the e-mail is sent.
notice_trigger_id	INTEGER	NULL	The PK (bob id) of the notification trigger that caused this e-mail to be generated. Triggers are rows in the table alco_notice_trigger.

Table 454: Keys

Key Name	Key Type	Keys
PK437	Primary Key	notification_tracking_id

Table 455: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_oba_config

This table contains configuration information for online booking agencies.

Table 456: Attributes

Column	Type	Null	Description
agency_id	INTEGER	NOT NULL	Bob id of the online booking agency
change_timestamp	DATETIME	NULL	Modification time of the entry

Column	Type	Null	Description
display_name	VARCHAR (50)	NOT NULL	Display name on the jsp page for this booking agency
navigation_outcome	VARCHAR (50)	NOT NULL	Used to navigate to the retrieve page corresponding to this booking agency. This field cannot be internationalized.
provider_class	VARCHAR (255)	NOT NULL	The full-path name of the provider class for this booking agency.
active_status	SMALLINT (5)	NOT NULL	Status of the current entry

Table 457: Keys

Key Name	Key Type	Keys
PK486	Primary Key	agency_id

Table 458: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_oba_config	alco_olbtobob_mapper	1	agency_id
alco_oba_config	alob_online_booking	3	agency_id

alco_occupation

This table is an occupation or job speciality.

Table 459: Attributes

Column	Type	Null	Description
occupation_id	INTEGER	NOT NULL	UID
name	VARCHAR (255)	NOT NULL	The display name
code	VARCHAR (255)	NULL	A code to identify the occupation
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 460: Keys

Key Name	Key Type	Keys
PK557	Primary Key	occupation_id

Table 461: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_occupation	alco_guest	3	occupation_id

alco_office

This table provides information about company offices and their location. This table is not related to the alco_company. This is used to identify office locations for a specific organization. Primarily used now for looking up project by their sponsoring office.

Table 462: Attributes

Column	Type	Null	Description
office_id	INTEGER	NOT NULL	
location_id	INTEGER	NULL	Primary key (a Bob Id).
country_id	INTEGER	NULL	deprecated (Not used)
office_code	CHAR (40)	NULL	Office code. Examples: ATL may be code for Atlanta. Values are user-defined.
office_name	VARCHAR (255)	NULL	Name of the Office. Values are user-defined.
office_active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 463: Keys

Key Name	Key Type	Keys
PK__alc17F790F9	Primary Key	office_id

Table 464: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_location	alco_office	3	location_id
alco_country	alco_office	3	country_id
alco_office	alco_project_number	3	office_id
alco_office	alco_user	3	office_id

alco_offline_sync

Table 465: Attributes

Column	Type	Null	Description
offline_sync_id	INTEGER	NOT NULL	
filter_class	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	
active_status	SMALLINT (5)	NOT NULL	
sync_timestamp	DATETIME	NULL	Latest timestamp of a specified bob type that is synced offline
sync_order	INTEGER	NULL	Orders the synchronizing of bob types to the offline db to preserve referential integrity
bus_obj_type_id	INTEGER	NULL	
global_cache_size	INTEGER	NULL	Size of cache (number of records). • 0=do not cache • Null=use default defined by appl parameter server.globalCache.size.<type>. • If not defined, use server.globalCache.size and if that is not defined, use hard-coded value of 500. .

Table 466: Keys

Key Name	Key Type	Keys
PK__alc19DFD96B	Primary Key	offline_sync_id

Table 467: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_offline_user_preference

Table 468: Attributes

Column	Type	Null	Description
offline_preference_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	PK
offline_directory	VARCHAR (255)	NULL	Name of directory where database,html files, and so on are stored
offline_machine_name	VARCHAR (255)	NULL	Name of machine used by the user
change_timestamp	DATETIME	NULL	

Table 469: Keys

Key Name	Key Type	Keys
PK__alc1BC821DD	Primary Key	offline_preference_id

Table 470: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_offline_user_prefer-ence	3	user_id

alco_olbtobob_mapper

This table contains mapping values between online booking system and XM system.

Table 471: Attributes

Column	Type	Null	Description
olbtobob_mapper_id	INTEGER	NOT NULL	Primary key of the table
bus_obj_type_id	INTEGER	NOT NULL	Bob type id in XM system
agency_element_value	VARCHAR (255)	NOT NULL	Value from online booking
bob_uid	INTEGER	NOT NULL	Bob id in XM system

Column	Type	Null	Description
agency_id	INTEGER	NOT NULL	Bob id of the online booking agency

Table 472: Keys

Key Name	Key Type	Keys
PK488	Primary Key	olbtobob_mapper_id

Table 473: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_oba_config	alco_olbtobob_mapper	1	agency_id

alco_packet_cache

This table is used to define Packet types, which are used for sending logical groups of data to the client; for example city or cost center lists.

Table 474: Attributes

Column	Type	Null	Description
packet_cache_id	INTEGER	NOT NULL	PK
bob_type	INTEGER	NOT NULL	This packet is constructed from bobs of this type
is_mru	SMALLINT (5)	NULL	Set to 1 if this is an mru packet. A packet that only contains the most recently used items for the user for this type instead of all items for this type.
include_required	SMALLINT (5)	NULL	If an mru packet, also include any bob of bob_type that has an <isrequired> element that is set to true (1).
change_timestamp	DATETIME	NULL	Time of last update for synching offline

Table 475: Keys

Key Name	Key Type	Keys
PK__alc1DB06A4F	Primary Key	packet_cache_id

Table 476: Attributes

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	alco_packet_cache	1	bus_obj_type_id
alco_packet_cache	alco_packet_el-em_cache	3	packet_cache_id

alco_packet_elem_cache

This table describes the type of packet that must be constructed and based on what element name.

Table 477: Attributes

Column	Type	Null	Description
packet_el-em_cache_id	INTEGER	NOT NULL	id
packet_cache_id	INTEGER	NULL	Identifies which bob type of packet is used
element_name	VARCHAR (255)	NULL	bob element name to base the register or index
is_index	SMALLINT (5)	NULL	make an index, a structure that given a bob type, element name, and an element value, return the bob with element value in element name
is_register	SMALLINT (5)	NULL	make a register, a structure that given a bob type and an element name, return a vector of bobs which span the set of values in element_name
change_timestamp	DATETIME	NULL	time of latest update

Table 478: Keys

Key Name	Key Type	Keys
PK__alc1F98B2C1	Primary Key	packet_elem_cache_id

Table 479: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_packet_cache	alco_packet_el-em_cache	3	packet_cache_id

alco_parm_setting

This table stores the parameter settings for report and search parameters.

Table 480: Attributes

Column	Type	Null	Description
parameter_setting_id	INTEGER	NOT NULL	Bob ID primary key.
parameter_id	INTEGER	NOT NULL	
required	SMALLINT (5)	NOT NULL	Equals 1 if parameter is required, equals 0 if parameter is not required.
visible	SMALLINT (5)	NOT NULL	Equals 1 if parameter is visible, equals 0 if parameter is not visible.
enabled	INTEGER	NOT NULL	Equals 1 if parameter is enabled, equals 0 if parameter is disabled.
group_id	INTEGER	NULL	

Table 481: Keys

Key Name	Key Type	Keys
PK375	Primary Key	parameter_setting_id

Table 482: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_parm_setting_group

This table stores the parameter settings for report and search parameters. This is corporate data and is group based.

Table 483: Attributes

Column	Type	Null	Description
parameter_setting_id	INTEGER	NOT NULL	Bob ID primary key.
parameter_id	INTEGER	NOT NULL	
required	SMALLINT (5)	NOT NULL	Equals 1 if parameter is required, equals 0 if parameter is not required.

Column	Type	Null	Description
visible	SMALLINT (5)	NOT NULL	Equals 1 if parameter is visible, equals 0 if parameter is not visible.
enabled	INTEGER	NOT NULL	Equals 1 if parameter is enabled, equals 0 if parameter is disabled.
group_id	INTEGER	NULL	

Table 484: Keys

Key Name	Key Type	Keys
PK375_1	Primary Key	parameter_setting_id

Table 485: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_partner

Table 486: Attributes

Column	Type	Null	Description
partner_id	INTEGER	NOT NULL	
partner_name	VARCHAR (255)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 487: Keys

Key Name	Key Type	Keys
PK__alc2180FB33	Primary Key	partner_id

Table 488: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_partner	alob_integration_partner	1	partner_id
alco_partner	alco_external_user	1	partner_id

alco_password_history

The user password history is stored in this table.

Table 489: Attributes

Column	Type	Null	Description
user_password_id	INTEGER	NOT NULL	PK (Type: int not NULL)
user_id	INTEGER	NOT NULL	FK - the identification number of a user in the system (Type: int not NULL)
user_password	VARCHAR (255)	NOT NULL	Encrypted password field (Type: char(40) not NULL)
creation_time	DATETIME	NOT NULL	The date and time when the password is created.(Type: datetime not NULL)

Table 490: Keys

Key Name	Key Type	Keys
PK__alc236943A5	Primary Key	user_password_id
XIF780a_history	Inversion Entry	user_id

Table 491: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_password_history	1	user_id

alco_payment_method_info

This table associates a display name with a payment method code, such as 'Corporate Card', used in the admin tool.

Table 492: Attributes

Column	Type	Null	Description
payment_method_id	INTEGER	NOT NULL	bobid (unique number that serves as PK)
payment_method_name	VARCHAR (255)	NULL	Display name which is displayed in the admin tool

Column	Type	Null	Description
payment_method_code	INTEGER	NOT NULL	Method code, used to designate types of payments, such as 'company paid' or 'corporate card', these numbers are used in the java source as 'defines' in PaymentType.java in bob package. These are the current values: • 1 - IBIP • 2 - IBCP • 3 - CBCP • 4 - COMPANY PAID • 5 - CASH (Personal Funds)
change_timestamp	DATETIME	NULL	

Table 493: Keys

Key Name	Key Type	Keys
PK__alc2739D489	Primary Key	payment_method_id

Table 494: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_payment_method_info	alco_payment_type	1	payment_method_id

alco_payment_term

Payment term in conjunction with the other payment elements such as Payment Mean Code, define the requirements which must be fulfilled to make a payment considered for a valid means of extinguishing the debt to which that relates.

Table 495: Attributes

Column	Type	Null	Description
payment_term_id	INTEGER	NOT NULL	PK - a unique bob id.
payment_term_code	VARCHAR (70)	NOT NULL	Standard payment term codes based on UN/EDIFACT. For example basic, EndOfMonth, ByInstallment, and so on. Recommended length is 70 characters.

Column	Type	Null	Description
payment_term_descrip-tion	VARCHAR (255)	NOT NULL	Description of the payment term code
active_status	INTEGER	NOT NULL	• 0 = inactive • 1 = active
change_timestamp	DATETIME	NULL	

Table 496: Keys

Key Name	Key Type	Keys
PK__alc29221CFB	Primary Key	payment_term_id

Table 497: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_payment_term	alpr_vendor_type	3	payment_term_id

alco_payment_type

This table defines the different payment types, such as VISA and cash.

Table 498: Attributes

Column	Type	Null	Description
payment_type_id	INTEGER	NOT NULL	PK
user_id	INTEGER	NULL	id of user for user entries
credit_card_company	VARCHAR (255)	NULL	The credit card company, if applicable
payment_type_label	VARCHAR (255)	NOT NULL	The full name of the payment type
payment_method_id	INTEGER	NOT NULL	Identifies the payment method, such as 'corporate card'; see alco_pay-ment_method
payment_active_status	INTEGER	NOT NULL	Is this payment type active?
external_system_id	VARCHAR (255)	NULL	Identifies this payment type for payment types installed by an external system, because they don't know the primary key
change_timestamp	DATETIME	NULL	
not_selectable	INTEGER	NOT NULL	If set to 1, the payment type is not visible in any DDLB of the HTML or Java client.

Column	Type	Null	Description
			Used when the payment type is for credit card transactions only

Table 499: Keys

Key Name	Key Type	Keys
PK__alc2B0A656D	Primary Key	payment_type_id

Table 500: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_pay-ment_method_info	alco_payment_type	1	payment_method_id
alco_user	alco_payment_type	3	user_id
alco_payment_type	aler_expense_line_item	3	payment_type_id
alco_payment_type	alcc_card	3	payment_type_id
alco_payment_type	alcc_processor	3	payment_type_id
alco_payment_type	alhh_payment_type_map-ping	1	payment_type_id
alco_payment_type	alhh_transaction	3	payment_type_id

alco_permission_assignment

This table associates a permission on a resource to a group or a user.

Table 501: Attributes

Column	Type	Null	Description
permission_assign-ment_id	INTEGER	NOT NULL	id
resource_id	INTEGER	NOT NULL	Identifies the resource
user_id	INTEGER	NULL	Applies to this user
group_id	INTEGER	NULL	Applies to this group
permission	INTEGER	NOT NULL	Bit flags describing read/write/execute permissions; each is two bits, • READ = 1 • WRITE = 2

Column	Type	Null	Description
			• EXECUTE = 4
			• NO_READ = 8
			• NO_WRITE = 16
			• NO_EXECUTE = 32
eval_order	INTEGER	NOT NULL	If multiple permission assignments exist on the same resource, use this order. Starts with 0.
change_timestamp	DATETIME	NULL	

Table 502: Keys

Key Name	Key Type	Keys
PK__alc2EDAF651	Primary Key	permission_assignment_id

Table 503: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_resource	alco_permission_assign-ment	1	resource_id

alco_portal_server

Table 504: Attributes

Column	Type	Null	Description
portal_server_id	INTEGER	NOT NULL	
portal_server_name	VARCHAR (100)	NOT NULL	
port	INTEGER	NOT NULL	
last_refresh	DATETIMN	NULL	
refresh_status	INTEGER	NULL	
ip_address	VARCHAR (15)	NULL	
server_ssl_port	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 505: Keys

Key Name	Key Type	Keys
PK272	Primary Key	portal_server_id

Table 506: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_project_activity_type

This table contains a project number category. This is used for clients with large numbers of project numbers to allow faster filtering of groups of numbers.

Table 507: Attributes

Column	Type	Null	Description
project_activity_type_id	INTEGER	NOT NULL	
code	VARCHAR (255)	NULL	
name	VARCHAR (255)	NULL	
description	VARCHAR (255)	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 508: Keys

Key Name	Key Type	Keys
PK__alc30C33EC3	Primary Key	project_activity_type_id

Table 509: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_project_activity_type	alco_project_number	3	project_activity_type_id

alco_project_number

A project number is different from a cost center in that one generally belongs to a cost center, but works on many different projects. Some companies prefer to do their accounting based on projects.

Table 510: Attributes

Column	Type	Null	Description
project_number_id	INTEGER	NOT NULL	id
user_id	INTEGER	NULL	Identifies the most recently used list for this user
is_required	SMALLINT (5)	NULL	Whether this code must be included in the most recently use list
project_code	VARCHAR (255)	NULL	AK, the actual project number
project_name	VARCHAR (255)	NULL	The name of the project, for example 'RoadRunner'
project_description	VARCHAR (255)	NULL	Description of project, 'Timesheets, phase one'
level_1_leader_id	INTEGER	NULL	Identifies the most recently used list for this user
level_2_leader_id	INTEGER	NULL	For a project number, you can specify this to either use the hierarchy or this table.
level_3_leader_id	INTEGER	NULL	For a project number, you can specify this to either use the hierarchy or this table.
level_4_leader_id	INTEGER	NULL	For a project number, you can specify this to either use the hierarchy or this table.
default_reviewer_id	INTEGER	NULL	The reviewer associated with this code
client_id	INTEGER	NULL	Client, customer associated with code
proj_num_active_status	SMALLINT (5)	NULL	ASF
code_level	INTEGER	NULL	Code level: null,1,2,3,...
is_chargeable	SMALLINT (5)	NULL	Is project chargeable • 1=yes • 0=no
start_date	DATETIME	NULL	Start date of project
end_date	DATETIME	NULL	End date of project
charge_type_id	INTEGER	NULL	
project_code_ref_id	INTEGER	NULL	Bob id reference to the actual project, this is used to map user specified project codes

Column	Type	Null	Description
			to actual projects after validation by say, a background
top_project_code	VARCHAR (255)	NULL	The root project charge code
project_charge_code	VARCHAR (255)	NOT NULL	Used in uniquely identifying a project or task, this can be created by concatenating the top project code and the project code, separated by a delimiter
hier_project_name	VARCHAR (255)	NULL	
office_id	INTEGER	NULL	
alternate_reviewer_id	INTEGER	NULL	
project_activity_type_id	INTEGER	NULL	
change_timestamp	DATETIME	NULL	
app_flags	INTEGER	NULL	String flag to indicate the application(s) in which the project number is used, null indicates all or this is any combo of er = 1, tr = 2, ts = 4, pr = 8
parent_project_number_id	INTEGER	NULL	Project code of the parent project code, null indicates that this is a top level

Table 511: Keys

Key Name	Key Type	Keys
PK__alc32AB8735	Primary Key	project_number_id
XIF1133t_number	Inversion Entry	project_activity_type_id
XIF702at_number	Inversion Entry	level_1_leader_id
XIF710at_number	Inversion Entry	user_id
XIF830at_number	Inversion Entry	client_id
XIF836at_number	Inversion Entry	charge_type_id
XIF947at_number	Inversion Entry	office_id
XIE2alct_number	Inversion Entry	parent_project_number_id
XIE3alct_number	Inversion Entry	top_project_code
XIE4alct_number	Inversion Entry	project_charge_code
XIE5alct_number	Inversion Entry	is_required
IeProjAppFlags	Inversion Entry	app_flags

Key Name	Key Type	Keys
projectNameIndx	Inversion Entry	project_name

Table 512: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_project_activi- ty_type	alco_project_number	3	project_activity_type_id
alco_office	alco_project_number	3	office_id
alco_charge_types	alco_project_number	3	charge_type_id
alco_clients	alco_project_number	3	client_id
alco_user	alco_project_number	3	user_id
alco_user	alco_project_number	3	user_id
alco_project_number	alco_project_number	3	project_number_id
alco_project_number	alts_line_item	3	project_number_id
alco_project_number	aler_line_allocation	3	project_number_id
alco_project_number	alts_user_billable_rate	3	project_number_id
alco_project_number	alwf_business_leaders	3	project_number_id
alco_project_number	alwf_user_hierarchy	3	project_number_id
alco_project_number	alwf_work_item	3	project_number_id
alco_project_number	alco_benefit_item	1	project_number_id
alco_project_number	alts_atten- dance_line_item	1	project_number_id
alco_project_number	alco_project_number	3	project_number_id
alco_project_number	aler_user_preference	3	project_number_id

alco_proxy

This table describes proxies for a user, that is another user that can create or submit an er, tp, and so on.

Table 513: Attributes

Column	Type	Null	Description
proxy_id	INTEGER	NOT NULL	id

Column	Type	Null	Description
user_id	INTEGER	NULL	Id of user that is represented
proxy_role	SMALLINT (5)	NOT NULL	• 0 - proxy creator • 1 - proxy reviewer
only_out_of_office	SMALLINT (5)	NOT NULL	Apply proxy only when user is out of office, only applicable for proxy reviewer, defaults to false
business_process_id	INTEGER	NOT NULL	PK id of process
proxy_user_id	INTEGER	NULL	Id of user representing another user
user_group_id	INTEGER	NULL	Primary key
change_timestamp	DATETIME	NULL	

Table 514: Keys

Key Name	Key Type	Keys
PK__alc3493CFA7	Primary Key	proxy_id
XIF844aco_proxy	Inversion Entry	user_id
idx_proxy_user	Inversion Entry	proxy_user_id
idx_proxy_group	Inversion Entry	user_group_id
ps_ap_puid_prole	Inversion Entry	proxy_user_id, proxy_role

Table 515: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_proxy	3	user_id
alwf_business_process	alco_proxy	1	business_process_id
alco_user	alco_proxy	3	user_id
alco_group_defn	alco_proxy	3	group_id

alco_purpose

This table provides a pick list so that users are not required to re-specify the same purposes again.

Table 516: Attributes

Column	Type	Null	Description
purpose_id	INTEGER	NOT NULL	PK
user_id	INTEGER	NULL	PK
purpose_string	VARCHAR (255)	NOT NULL	The purpose string
purpose_active_status	SMALLINT (5)	NOT NULL	ASF
change_timestamp	DATETIME	NULL	

Table 517: Keys

Key Name	Key Type	Keys
PK__alc367C1819	Primary Key	purpose_id
XIF757a_purpose	Inversion Entry	user_id

Table 518: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_purpose	3	user_id
alco_purpose	aler_expense_report	3	purpose_id
alco_purpose	altr_line_item	3	purpose_id
alco_purpose	altr_travel_request	3	purpose_id

alco_receipt_link

This table contains creation relationship between an Infor receipt and an ER line item.

Table 519: Attributes

Column	Type	Null	Description
item_link_id	INTEGER	NOT NULL	Bob id
exp_line_item_id	INTEGER	NOT NULL	Bob id of the ER line item.
receipt_item_id	INTEGER	NOT NULL	Bob id of the receipt.

Table 520: Keys

Key Name	Key Type	Keys
PK529	Primary Key	item_link_id

Table 521: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_receipts

This table contains the stores receipt data.

Table 522: Attributes

Column	Type	Null	Description
receipt_id	INTEGER	NOT NULL	id
tracking_number	VARCHAR (255)	NULL	The character id of the document, visible to the typical user. Appears to the user as 'tracking number', usually.
line_id	INTEGER	NULL	bob id of line item
receipt_name	VARCHAR (255)	NULL	Name of the receipts
date_created	DATETIME	NULL	Date the receipts was created
received_via	INTEGER	NULL	How the receipt was up-loaded. 0=application; 1=email; 2=bulk upload; 3=fax; 4=receipt store; 5=receipt copy
image	IMAGE/LONG BINARY (18)	NULL	the binary image of the receipt
active_status	SMALLINT (5)	NULL	active status
thumbnail	IMAGE/LONG BINARY (18)	NULL	thumbnail image
image_hash	VARCHAR (255)	NULL	A hash (or fingerprint) value to uniquely identify an image based on im-ages visual appearance. This is to be used during

Column	Type	Null	Description
			upload for duplicate image detection.

Table 523: Keys

Key Name	Key Type	Keys
idx_receipts_tn	Inversion Entry	tracking_number
idx_receipts_tn_as	Inversion Entry	tracking_number, active_status
PK_RECEIPTS	Primary Key	receipt_id

alco_receipts_history

This table contains the stores receipt history.

Table 524: Attributes

Column	Type	Null	Description
action_name	VARCHAR (255)	NULL	the action that the user performs, e.g. insert, delete, etc
description	VARCHAR (255)	NULL	
time_modified	DATETIME	NULL	the time the action was performed
proxy	VARCHAR (255)	NULL	if user is a proxy user
receipts_history_id	INTEGER	NOT NULL	id
receipts_id	INTEGER	NULL	receipt id
receipts_name	VARCHAR (255)	NULL	name of the receipt
tracking_number	VARCHAR (255)	NULL	The character id of the document, visible to the typical user. Appears to the user as 'tracking number', usually
author_user_id	VARCHAR (255)	NULL	the user performing the action, e.g. insert, delete, etc

Table 525: Keys

Key Name	Key Type	Keys
PK_RECEIPTS_HISTORY	Primary Key	receipts_history_id

alco_receipts_store

Table 526: Attributes

Column	Type	Null	Description
receipt_id	INTEGER	NOT NULL	id
user_id	INTEGER	NOT NULL	user id
receipt_name	VARCHAR (255)	NULL	receipt name
date_created	DATETIME	NULL	create date
received_via	INTEGER	NULL	
image	IMAGE/LONG BINARY (18)	NULL	binary image of the receipt store
active_status	SMALLINT (5)	NULL	active status
thumbnail	IMAGE/LONG BINARY (18)	NULL	thumbnail image
trans_ref	VARCHAR (255)	NULL	to store the transaction reference associated with the receipt store.

Table 527: Keys

Key Name	Key Type	Keys
PK_RECEIPTS_STORE	Primary Key	receipt_id
idx_receipts_rs_userid	Inversion Entry	user_id

alco_receipts_store_link

Table 528: Attributes

Column	Type	Null	Description
link_id	INTEGER	NOT NULL	id
receipt_store_id	INTEGER	NOT NULL	bob id of receipt store
receipt_id	INTEGER	NOT NULL	bob id of receipt
date_created	DATETIME	NULL	link create date
active_status	SMALLINT (5)	NULL	active status

Table 529: Keys

Key Name	Key Type	Keys
PK_RECEIPTS_STORE_LINK_ID	Primary Key	link_id

Table 530: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_receipts_url

The table that contains receipts url.

Table 531: Attributes

Column	Type	Null	Description
receipt_url_id	INTEGER	NOT NULL	UID
document_id	VARCHAR (255)	NOT NULL	The document number
url	VARCHAR (510)	NULL	Encrypted url to retrieve an image
status	INTEGER	NOT NULL	• Value 1 indicates that the url is new • Value 2 indicates the url is processed by an external system
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 532: Keys

Key Name	Key Type	Keys
PK549	Primary Key	receipt_url_id

Table 533: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_report_design

This table contains the designs of report templates.

Table 534: Attributes

Column	Type	Null	Description
report_design_id	INTEGER	NOT NULL	Bob id of the report design
content	LONG VARCHAR (18)	NOT NULL	Contains the content of the .rptdesign file
change_timestamp	DATETIME	NULL	Modification time of the entry.
report_template_id	INTEGER	NOT NULL	PK - a unique ID for this table.

Table 535: Keys

Key Name	Key Type	Keys
PK492	Primary Key	report_design_id

Table 536: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_report_template	alco_report_design	1	report_template_id

alco_report_fx_rate

This table contains the currency exchange information that is used for Single Currency Reporting. This is updated by BuildReportCurrencyBkg. This background process reads data from the alco_fx_rate, calculates the exchange rates to reporting currencies and writes to this table. The reporting currencies are defined in appl parameter "BuildReportCurrencyBkg.currencies". Only the first 4 currencies in the list are used.

Table 537: Attributes

Column	Type	Null	Description
report_fx_rate_id	INTEGER	NOT NULL	The uid
from_valid_date	DATETIME	NOT NULL	Exchange rate is valid from this date
to_valid_date	DATETIME	NULL	Exchange rate is valid before this date. If null, rate is valid till now.
fx_rate	NUMERIC (20)	NOT NULL	The exchange rate
change_timestamp	DATETIME	NULL	
from_currency_fmt_id	INTEGER	NOT NULL	Exchange rate from this currency
to_currency_fmt_id	INTEGER	NOT NULL	Exchange rate to this currency

Table 538: Keys

Key Name	Key Type	Keys
PK544	Primary Key	report_fx_rate_id
XAK1alc_rep_fx_rate	Alternate Key	from_currency_fmt_id, to_currency_fmt_id, from_valid_date, to_valid_date

Table 539: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alco_report_fx_rate	1	currency_fmt_defn_id
alco_currency_format	alco_report_fx_rate	1	currency_fmt_defn_id

alco_report_template

Table 540: Attributes

Column	Type	Null	Description
report_template_id	INTEGER	NOT NULL	PK - a unique ID for this table.
name	VARCHAR (255)	NOT NULL	Internal name of the report template
display_name	VARCHAR (255)	NOT NULL	Display name of the report template
parameters	VARCHAR (255)	NULL	A list of comma-separated parameters used by the report template. For example filter=user
visible	SMALLINT (5)	NOT NULL	Whether the report template is visible to report users
active_status	SMALLINT (5)	NOT NULL	Whether this corporate data bob is active
change_timestamp	DATETIME	NULL	Timestamp for offline sync
description	VARCHAR (255)	NULL	Description of the report template
draft	SMALLINT (5)	NULL	Set to 1 if a report template is draft (unpublished)
creator_user_id	INTEGER	NULL	Creator user bob id
date_created	DATETIME	NULL	Time and date when the report is created
last_modified_by	INTEGER	NULL	The last person who modified the report design.
last_published_by	INTEGER	NULL	The last person who published the report template.
date_published	DATETIME	NULL	Date and time when the report template is last published.

Table 541: Keys

Key Name	Key Type	Keys
PK485	Primary Key	report_template_id

Table 542: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_report_template	alco_report_design	1	report_template_id

alco_reporting_permission

Table 543: Attributes

Column	Type	Null	Description
reporting_permission_id	INTEGER	NOT NULL	The primary key (bob id) for this table
permission_type	INTEGER	NOT NULL	What hierarchy this row refers to. These are the valid values: • 30000 (user hierarchy) • 29500 (cost center) • 29000 (department) • 28500 (division) • 28000 (company) • 80000 (project number)
permission_object	INTEGER	NOT NULL	The object that the user has permission to report on. A bob id that corresponds to a specific bob of type permission_type.
active_status	SMALLINT (5)	NOT NULL	Is this row active?
user_id	INTEGER	NOT NULL	A FK to the alco_user table that identifies the user who has permission to report on an object
change_timestamp	DATETIME	NOT NULL	

Table 544: Keys

Key Name	Key Type	Keys
PK425	Primary Key	reporting_permission_id

Table 545: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_reporting_permission	1	user_id

alco_request_order

For each client application type, the screens and tables to load and cache must be specified, and in what order. This is primarily a table to be modified by Extensity only.

Table 546: Attributes

Column	Type	Null	Description
request_order_id	INTEGER	NOT NULL	PK
query_set	INTEGER	NULL	The application type
request_order	INTEGER	NULL	The order to load the items in.
overlap	INTEGER	NULL	How many items can be loaded simultaneously, by threading.
element_names	VARCHAR (255)	NOT NULL	Specifies the format of the following field.
element_values	LONG VARCHAR (18)	NOT NULL	***Edward***

Table 547: Keys

Key Name	Key Type	Keys
PK__alc395884C4	Primary Key	request_order_id

Table 548: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_resource

This table identifies all the objects to which permissions can be specified in the application suite.

Table 549: Attributes

Column	Type	Null	Description
resource_id	INTEGER	NOT NULL	id
resource_name	VARCHAR (255)	NULL	name of the permissionable object
bus_obj_type_id	INTEGER	NULL	it's bob type
elem_name	VARCHAR (255)	NULL	the element in the bob

Column	Type	Null	Description
activity_id	INTEGER	NULL	activity_id is used to match the SAT screen permission with SAT role. This is the relationship:

Value	Screen
0	Users(User Info, Bulk Editor)
1	Groups (Group, User, Corp Data and Business Rule tabs in Group)
2	Corp Data
3	Business Rules (Java Script Br, Business Rule)
4	Work Items (Work Item, Document, Work Item Expense Receipts, Work Item Offline Users)
5	Servers (Server, Admin Log, Background Processes)

Column	Type	Null	Description
bob_id	INTEGER	NULL	Id of specific bob, if applicable
change_timestamp	DATETIME	NULL	

Table 550: Keys

Key Name	Key Type	Keys
PK__alc3B40CD36	Primary Key	resource_id

Table 551: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_resource	alat_menu_item	3	resource_id
alco_resource	alco_permission_assignment	1	resource_id

alco_routing_type

This table defines the routing types for policy based routing.

Table 552: Attributes

Column	Type	Null	Description
routing_type_id	INTEGER	NOT NULL	
routing_type_code	VARCHAR (30)	NOT NULL	This code uniquely identifies the routing type. A valid value can be any alphanumeric string
routing_type_name	VARCHAR (255)	NOT NULL	Display name of the routing type
policy_flag	CHAR (1)	NULL	This indicates the flag that must be added to the work item when a rule policy gets deviated. Valid value is any single character alphanumeric character. This value shows up on work item.
description	VARCHAR (255)	NULL	Description of the routing type
active_status	SMALLINT (5)	NOT NULL	Active/inactive status of routing type, valid values are 1 or 0
change_timestamp	DATETIME	NULL	

Table 553: Keys

Key Name	Key Type	Keys
PK451	Primary Key	routing_type_id
IDX_ROUTETYPE_CD	Alternate Key	routing_type_code

Table 554: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_routing_type	alwf_workitem_routing	1	routing_type_id
alco_routing_type	albr_defn	3	routing_type_id
alco_routing_type	aler_review_policies	3	routing_type_id

alco_search_parameter

Table 555: Attributes

Column	Type	Null	Description
search_parameter_id	INTEGER	NOT NULL	Bob ID primary key.

Column	Type	Null	Description
parameter_name	VARCHAR (100)	NOT NULL	
parameter_key	VARCHAR (255)	NULL	This is a bob element specification (that is ExpenseType.project.project)
search_type_id	INTEGER	NOT NULL	Bob ID primary key.

Table 556: Keys

Key Name	Key Type	Keys
PK378	Primary Key	search_parameter_id

Table 557: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_search_type	alco_search_parameter	1	search_type_id

alco_search_type

Table 558: Attributes

Column	Type	Null	Description
search_type_id	INTEGER	NOT NULL	Bob ID primary key.
search_bob_type	INTEGER	NOT NULL	Bob type of the search.
search_type	VARCHAR (100)	NOT NULL	This is sent to describe the search type to the search component.
search_form_title	VARCHAR (100)	NULL	
query_handler_class	VARCHAR (255)	NOT NULL	Query handler class.
max_result_set	INTEGER	NOT NULL	Maximum result set size.
search_filter	VARCHAR (100)	NULL	

Table 559: Keys

Key Name	Key Type	Keys
PK377	Primary Key	search_type_id

Table 560: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_search_type	alco_search_parameter	1	search_type_id

alco_server

This table tracks all Extensity Servers that are currently running.

Table 561: Attributes

Column	Type	Null	Description
server_id	INTEGER	NOT NULL	Unique id used to identify the Business Object associated with this row.
host_name	VARCHAR (255)	NOT NULL	The name of the computer on which this server is running.
server_port	INTEGER	NOT NULL	The port number to which this server is listening for communications.
start_time	DATETIME	NULL	Records the date and time when this server is started.
last_user_refresh	DATETIME	NULL	Tracks the date and time when this server last refreshed its user cache.
last_corp_refresh	DATETIME	NULL	Tracks the date and time when this server last refreshed its corporate date cache.
server_status	INTEGER	NULL	• 0 - 'DOWN' • 1 - 'UP'
ip_address	VARCHAR (255)	NOT NULL	Contains the IP address of this server
server_ssl_port	INTEGER	NOT NULL	

Table 562: Keys

Key Name	Key Type	Keys
PK__alc3D2915A8	Primary Key	server_id

Table 563: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_server_log

This table is used to track all the user log4j outputs.

Table 564: Attributes

Column	Type	Null	Description
log_id	INTEGER	NOT NULL	PK
server_name	VARCHAR (255)	NOT NULL	This is the name of the server from where the log is generated. In other words , this is the server to which the user is connected.
user_name	VARCHAR (255)	NOT NULL	User Login ID.
message	VARCHAR (3000)	NULL	This is the actual log statement output generated by the application. The pattern of the log statement can be modified by specifying the appropriate parameter in the appserver-extensity.properies
change_timestamp	DATETIME	NULL	The date and time when the log statements are written to the alco_server_log table.

Table 565: Keys

Key Name	Key Type	Keys
PK494	Primary Key	log_id

Table 566: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_session_id

The table used to store last session id.

Table 567: Attributes

Column	Type	Null	Description
key_is_zero	INTEGER	NOT NULL	id, always 0
last_session	INTEGER	NOT NULL	last session id, increment for this session's id
lock_me	SMALLINT (5)	NULL	

Table 568: Keys

Key Name	Key Type	Keys
PK__alc3F115E1A	Primary Key	key_is_zero

Table 569: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_set_of_books

A set of books define the Charts of Accounts, Booking Currency, and Accounting Periods of the financial system to which invoices are uploaded. Each record in this table maps to a set of books.

Table 570: Attributes

Column	Type	Null	Description
set_of_books_id	INTEGER	NOT NULL	Primary Key
set_of_books_name	VARCHAR (255)	NOT NULL	Name of the set of books.
external_system_id	VARCHAR (255)	NULL	Key used by external system to identify this set of books.
booking_currency_id	INTEGER	NULL	Booking Currency of the set of books. Potentially used in AP upload process. FK to alco_currency_fmt_defn.
accounting_calendar_id	INTEGER	NULL	Accounting Calendar of the set of books. FK to alco_accounting_calendars.
description	VARCHAR (255)	NULL	Description of this set of books.
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 571: Keys

Key Name	Key Type	Keys
PK__alc40F9A68C	Primary Key	set_of_books_id
XIF1100of_books	Inversion Entry	accounting_calendar_id

Table 572: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_accounting_calen-dar	alco_set_of_books	3	accounting_calendar_id
alco_set_of_books	alco_user	3	set_of_books_id
alco_set_of_books	alco_vat_account	1	set_of_books_id
alco_set_of_books	alco_expense_account	1	set_of_books_id

Attributes

Keys

Relationships

alco_ship_method

Table 573: Attributes

Column	Type	Null	Description
ship_method_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	PK
ship_method	VARCHAR (255)	NULL	
active_status	SMALLINT (5)	NOT NULL	
transport_mode_id	INTEGER	NULL	PK- a unique bobid
transport_mean_id	INTEGER	NULL	PK - a unique bobid
transport_carrier_id	INTEGER	NULL	PK - a unique bobid
change_timestamp	DATETIME	NULL	

Table 574: Keys

Key Name	Key Type	Keys
PK__alc42E1EEFE	Primary Key	ship_method_id

Table 575: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_transport_carrier	alco_ship_method	3	transport_carrier_id
alpr_transport_mode	alco_ship_method	3	transport_mode_id
alpr_transport_mean	alco_ship_method	3	transport_mean_id
alco_user	alco_ship_method	3	user_id
alco_ship_method	alpr_ship_to	3	ship_method_id

alco_signatures

This table identifies who has 'signed' a document.

Table 576: Attributes

Column	Type	Null	Description
signature_id	INTEGER	NOT NULL	id
doc_id	INTEGER	NOT NULL	fk into a document table, for example aler_expense_report, altr_travel_request, and so on.
doc_type	INTEGER	NULL	Type of document for this signature, fk into almt_bob_type
user_id	INTEGER	NULL	fk into alco_user, the person who signed the document, may be a proxy
for_whom	INTEGER	NULL	fk into alco_user, for whom the document is signed
date_time	DATETIME	NULL	When is signature
how	INTEGER	NULL	How is the signature created? • 1= re-authentication • 2=signature password • 3=digital certificate

Column	Type	Null	Description
why	VARCHAR (255)	NULL	Reason for signing, for example 'To approve project charges'
change_timestamp	DATETIME	NULL	

Table 577: Keys

Key Name	Key Type	Keys
PK__alc44CA3770	Primary Key	signature_id
XIF828agnatures	Inversion Entry	user_id
XIE1alcgnatures	Inversion Entry	doc_id

Table 578: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_signatures	3	user_id

alco_state

Table 579: Attributes

Column	Type	Null	Description
state_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	PK
state_name	VARCHAR (255)	NULL	
state_abbrev	CHAR (5)	NULL	
country_id	INTEGER	NULL	PK
state_active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 580: Keys

Key Name	Key Type	Keys
PK__alc46B27FE2	Primary Key	state_id

Table 581: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_state	3	user_id
alco_country	alco_state	3	country_id
alco_state	alco_address	3	state_id
alco_state	alco_county	3	state_id
alco_state	alco_location	3	state_id

alco_tempBobIdTable

The alco_tempBobIdTable is used to track all the keys that are downloaded by the PSO Configuration Project of XMDBTool. This table is currently only used in the PSO Configuration Project of XMDBTool. This table does not have any primary keys.

Table 582: Attributes

Column	Type	Null	Description
unloaded_bob_id	INTEGER	NOT NULL	This is primary key value of the data row that is downloaded
table_name	VARCHAR (2000)	NULL	Table Name that is involved in the current transaction.
column_name	VARCHAR (2000)	NULL	This is the name of the column, (in almost all the cases this is the name of the primary key of this table) of which the value is re-mapped.
table_bobid	INTEGER	NULL	This is the bob Id of the table.

Table 583: Keys

Key Name	Key Type	Keys
PK524	Primary Key	

Table 584: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_ticket_status

Table 585: Attributes

Column	Type	Null	Description
ticket_status_id	INTEGER	NOT NULL	
ticket_status_name	VARCHAR (255)	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 586: Keys

Key Name	Key Type	Keys
PK427	Primary Key	ticket_status_id

Table 587: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_unit_of_measure

Table 588: Attributes

Column	Type	Null	Description
unit_of_measure_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	PK
description	VARCHAR (255)	NULL	
active_status	SMALLINT (5)	NOT NULL	
uom_code	VARCHAR (255)	NOT NULL	This is the standard unit of measure code base on UN/EDIFACT
change_timestamp	DATETIME	NULL	

Table 589: Keys

Key Name	Key Type	Keys
PK__alc4A8310C6	Primary Key	unit_of_measure_id
XIF919a_measure	Inversion Entry	user_id

Table 590: Relatioonships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_unit_of_measure	3	user_id
alco_unit_of_measure	alpr_line_item	3	unit_of_measure_id
alco_unit_of_measure	alpr_invoice_line_item	3	unit_of_measure_id

alco_user

Each record represents one user of the system. A user record can also be a 'robot', or automated process.

Table 591: Attributes

Column	Type	Null	Description
user_id	INTEGER	NOT NULL	PK
cost_center_id	INTEGER	NULL	FK - the cost center this user belongs to
user_full_name	VARCHAR (255)	NOT NULL	The full name of the user
user_first_name	VARCHAR (255)	NULL	First name
user_middle_initial	CHAR (1)	NULL	Middle initial
user_last_name	VARCHAR (255)	NULL	Surname
employee_number	VARCHAR (255)	NULL	The employee number assigned by the company
user_password	VARCHAR (255)	NOT NULL	Encrypted password field
user_title	VARCHAR (255)	NULL	The job title of the user
user_location	VARCHAR (255)	NULL	Where the user works
user_telephone	VARCHAR (255)	NULL	Telephone
user_mailstop	VARCHAR (255)	NULL	Mailstop - for hand delivered mail, a code that is used by some companies
user_email_address	VARCHAR (255)	NULL	E-mail address
email_product	VARCHAR (255)	NULL	What tool does this person use for e-mail?
user_login	VARCHAR (255)	NULL	What the user types in when logging in

Column	Type	Null	Description
user_dept_code	CHAR (10)	NULL	
user_compa-ny_code	CHAR (10)	NULL	
user_fax_number	VARCHAR (255)	NULL	Fax number
payroll_sys-tem_code	VARCHAR (255)	NULL	Most systems, for example ADP, require a payroll code for each user.
active_status	SMALLINT (5)	NOT NULL	ASF
ssn	VARCHAR (255)	NULL	social security number, re-quired for some payroll sys-tems
creation_time	DATETIME	NOT NULL	Time of last password change
curren-cy_fmt_defn_id	INTEGER	NOT NULL	PK
country_id	INTEGER	NULL	PK
has_credit_cards	SMALLINT (5)	NULL	A value that indicates that the user has a credit card record in the alcc_card table. These are the values: • NULL - No credit card • 0 - No Credit Card • 1 - Yes, Credit Card
cc_expiration_date	DATETIME	NULL	
pso_data	INTEGER	NULL	
external_data	VARCHAR (255)	NULL	Portal generated ID.
set_of_books_id	INTEGER	NULL	Primary Key
remote_ac-cess_device_id	VARCHAR (255)	NULL	id of remote access device like wap phone for which they auto login to work
change_times-tamp	DATETIME	NULL	
auth_amount	NUMERIC (20)	NULL	
auth_amount_id	INTEGER	NULL	
system_code_1	VARCHAR (255)	NULL	
system_code_2	VARCHAR (255)	NULL	
system_code_3	VARCHAR (255)	NULL	

Column	Type	Null	Description
system_code_4	VARCHAR (255)	NULL	
system_code_5	VARCHAR (255)	NULL	
system_code_6	VARCHAR (255)	NULL	
system_code_7	VARCHAR (255)	NULL	
system_code_8	VARCHAR (255)	NULL	
start_date	DATE	NULL	
pr_auth_amount_id	INTEGER	NULL	
end_date	DATE	NULL	
pr_auth_amount	NUMERIC (20)	NULL	
system_date_1	DATE	NULL	
system_date_2	DATE	NULL	
office_id	INTEGER	NULL	
out_of_office	SMALLINT (5)	NOT NULL	• 0 - user is in office • 1 - user is out of office
audit_group_id	INTEGER	NULL	Used by EBL to figure out the audit and receipt check routing activities for EBL. Points to table alps_audit_group
default_mileage_rate_id	INTEGER	NULL	Default mileage rate for this user, id referencing to alco_mileage_rate table
is_thin_client_user	SMALLINT (5)	NOT NULL	
preferred_locale	VARCHAR (32)	NULL	For e-mail notification localization. This locale indicates the preferred language that e-mail notification receiver wants the e-mail to be displayed with.
second_currency_id	INTEGER	NULL	some users may need to be reimbursed in either of two currencies. This column stores the secondary currency while currency_fmt_defn_id stores the primary.
user_email_address_2	VARCHAR (255)	NULL	
user_email_address_3	VARCHAR (255)	NULL	

Column	Type	Null	Description
commute_miles	DECIMAL (26)	NULL	The number of miles that the traveler commutes to work per day. This is typically subtracted from the total miles before multiplying by the mileage rate.
validation_id	VARCHAR (255)	NULL	The validation id used for secured change.
identity2	VARCHAR (36)	NULL	Database column used to store the Identity2 user claims credentials. This is primary used for SAML2 SSO.
lc_user_login	MLSLABEL/VARCHAR (255)	NULL	
preferred_time-zone	VARCHAR (255)	NULL	Users preferred timezone

Table 592: Keys

Key Name	Key Type	Keys
PK__alc4C6B5938	Primary Key	user_id
XIF1123lco_user	Inversion Entry	set_of_books_id
XIF714alco_user	Inversion Entry	country_id
XIF724alco_user	Inversion Entry	cost_center_id
XIF730alco_user	Inversion Entry	currency_fmt_defn_id
XIE1alclco_user	Alternate Key	user_login
XOPT1allco_user	Inversion Entry	active_status
XOPT_03020103	Inversion Entry	employee_number
idx_lower_user_login	Inversion Entry	lc_user_login

Table 593: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_set_of_books	alco_user	3	set_of_books_id
alco_currency_format	alco_user	1	currency_fmt_defn_id
alco_cost_center	alco_user	3	cost_center_id
alco_country	alco_user	3	country_id
alco_office	alco_user	3	office_id
alco_mileage_rate	alco_user	3	mileage_rate_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alco_user	3	currency_fmt_defn_id
alco_user	alat_admin_log	3	user_id
alco_user	aler_er_filter	1	user_id
alco_user	aler_expense_report	3	user_id
alco_user	alcc_card	3	user_id
alco_user	alts_timesheet	1	user_id
alco_user	aler_user_preference	1	user_id
alco_user	alts_user_attributes	1	user_id
alco_user	alts_user_billable_rate	3	user_id
alco_user	alwf_activity_permission	3	user_id
alco_user	alhh_transaction	1	user_id
alco_user	alhh_user_preference	1	user_id
alco_user	alco_address	3	user_id
alco_user	alco_background_pro-cess	3	user_id
alco_user	alco_class_of_service	3	user_id
alco_user	alwf_business_leaders	0	user_id
alco_user	alco_county	3	user_id
alco_user	alwf_document_id	3	user_id
alco_user	alwf_process_permis-sion	3	user_id
alco_user	alwf_user_hierarchy	3	user_id
alco_user	alwf_user_hierarchy	3	user_id
alco_user	alpr_category	3	user_id
alco_user	alwf_work_item	3	user_id
alco_user	alco_expense_type	3	user_id
alco_user	alwf_work_item	3	user_id
alco_user	alwf_work_item	3	user_id
alco_user	alwf_work_item	3	user_id
alco_user	alwf_work_item	3	user_id
alco_user	alco_external_user	1	user_id
alco_user	alpr_manufacturer	3	user_id
alco_user	alco_location	3	user_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_login_session	3	user_id
alco_user	alpr_purchase_requisition	3	user_id
alco_user	alco_offline_user_preference	3	user_id
alco_user	alco_password_history	1	user_id
alco_user	alpr_purpose	3	user_id
alco_user	alco_payment_type	3	user_id
alco_user	alpr_user_preference	3	user_id
alco_user	alco_project_number	3	user_id
alco_user	alco_project_number	3	user_id
alco_user	alco_proxy	3	user_id
alco_user	alpr_user_vendor_pref	3	user_id
alco_user	alco_purpose	3	user_id
alco_user	alpr_vendor	3	user_id
alco_user	alpr_vendor_type	3	user_id
alco_user	alco_ship_method	3	user_id
alco_user	alco_signatures	3	user_id
alco_user	alco_state	3	user_id
alco_user	alco_unit_of_measure	3	user_id
alco_user	alco_user_notice_address	1	user_id
alco_user	alco_user_preference	1	user_id
alco_user	altr_travel_request	1	user_id
alco_user	alco_vendor	3	user_id
alco_user	alco_user_access	0	user_id
alco_user	alco_benefit_item	1	user_id
alco_user	alpr_ship_to	3	user_id
alco_user	alco_reporting_permission	1	user_id
alco_user	alco_cumulative_miles	1	user_id
alco_user	alco_guest	3	user_id
alco_user	alco_guest	3	user_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_audit_list	1	user_id
alco_user	alwf_reviewer_list	3	user_id
alco_user	alwf_reviewer_permis-sion	3	user_id
alco_user	alco_proxy	3	user_id
alco_user	alco_export_profile	3	user_id
alco_user	alco_database_cookie	1	user_id
alco_user	alco_mileage_route	1	user_id
alco_user	alwf_act_perm_for_con-troller	3	user_id
alco_user	alco_audit_log	1	user_id
alco_user	alco_audit_log	3	user_id
alco_user	alob_online_booking	3	user_id
alco_user	alco_guestlist	3	user_id
alco_user	alco_license	3	user_id

alco_user_access

Table 594: Attributes

Column	Type	Null	Description
user_id	INTEGER	NOT NULL	PK
group_id	INTEGER	NOT NULL	primary key
access_context_id	INTEGER	NOT NULL	
user_access_id	INTEGER	NOT NULL	
active_status	SMALLINT (5)	NULL	
change_timestamp	DATETIME	NULL	

Table 595: Keys

Key Name	Key Type	Keys
PK269	Primary Key	user_id, group_id, access_con-text_id
AK1000	Alternate Key	user_access_id

Key Name	Key Type	Keys
psr_aua_uid	Inversion Entry	user_id
psr_aua_gid_uid	Inversion Entry	group_id, user_id
psr_aua_acid	Inversion Entry	access_context_id
psr_aua_gid_acid	Inversion Entry	group_id, access_context_id
psr_aua_aci_uid	Inversion Entry	access_context_id, user_id

Table 596: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_user_access	0	user_id
alco_group_defn	alco_user_access	0	group_id
alco_access_context	alco_user_access	0	access_context_id

alco_user_attachment_filter

Table 597: Attributes

Column	Type	Null	Description
user_attachment_filter_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	
date_created_after	DATETIME	NULL	
date_created_before	DATETIME	NULL	
date_modified_after	DATETIME	NULL	
date_modified_before	DATETIME	NULL	
date_entered_queue_after	DATETIME	NULL	
date_entered_queue_before	DATETIME	NULL	
owner_id	INTEGER	NULL	
owner_id_operator	INTEGER	NULL	
document_type	INTEGER	NULL	
document_type_operator	INTEGER	NULL	
document_title	VARCHAR (255)	NULL	

Column	Type	Null	Description
document_title_operator	INTEGER	NULL	
activity_number	INTEGER	NULL	
activity_number_opera-tor	INTEGER	NULL	
filter_flags	INTEGER	NULL	
audit_indicator	VARCHAR (255)	NULL	
audit_indicator_operator	INTEGER	NULL	
document_id	VARCHAR (255)	NULL	
document_id_operator	INTEGER	NULL	
user_er_filter_id	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 598: Keys

Key Name	Key Type	Keys
PK423	Primary Key	user_attachment_filter_id

Table 599: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_user_group_access

This table is used to assign permissions (groups with a context) to a user group (group of type user). Any users that directly belong to this user group get the permissions assigned to this user group.

Table 600: Attributes

Column	Type	Null	Description
user_group_id	INTEGER	NOT NULL	The user group which will have permissions, like the user_id in alco_user_access
group_id	INTEGER	NOT NULL	The group which the user_group is getting permission to
access_context_id	INTEGER	NOT NULL	The context for the permission. See alco_user_access.ac-cess_context_id

Column	Type	Null	Description
user_group_access_id	INTEGER	NOT NULL	bob id
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 601: Keys

Key Name	Key Type	Keys
PK392	Primary Key	user_group_id, group_id, access_context_id

Table 602: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_group_defn	alco_user_group_access	0	group_id
alco_group_defn	alco_user_group_access	0	group_id
alco_access_context	alco_user_group_access	0	access_context_id

alco_user_notice_address

This table holds the user generated and configured notification addresss. The addresses are in valid Internet format. The table contains a default address which is used for e-mail and is required for a user. Additional notification addresses can be added by users. Each additional address can have an effective date range and apply to only a specific type of Extensity document (ER, TP, PR, TS). The notify_delivery_address must be the final format of the address and the one that the notification system uses to send the notice (valid Internet address are supported). The attributes referring to device, phone number, service provider are stored in this table as reference only and are not used by the Notification service to generate a delivery address. The data entry mechanism used to configure addresses may specify and use those attributes when generating the final delivery address.

Table 603: Attributes

Column	Type	Null	Description
user_notice_address_id	INTEGER	NOT NULL	PK - a unique bobid
user_id	INTEGER	NOT NULL	User id owner of this address row.
bus_obj_type_id	INTEGER	NULL	FK - points to the BOb type for the document represented by the work item that triggered the notice. Examples - 100 for Expense Report 57000

Column	Type	Null	Description
			for Time Sheets 135000 for purchase Req.
notify_address_type	INTEGER	NOT NULL	The address type that this row represents. These are valid values: • DEFAULT_EMAIL_ADDRESS = 01 The default email address for a user. Every user must have a default address. All notifications will be sent to this email address when no custom addresses are available. • CUSTOM_EMAIL_ADDRESS = 02 A user customized address to be used for a subset of the notices. Future enhancement. The notice address type can be expanded to include other transport delivery types such as FAX or VOICE_MAIL. However at this time only SMTP transmission protocol is supported for the sending of notices.
change_timestamp	DATETIME	NULL	This is the starting time/date when this address is considered active and available for use.
notify_use_shortmsg	SMALLINT (5)	NOT NULL	Indicates if the receiving address supports only the short message format. • Value 0 = Use long message • Value 1 = Use short message only
notify_delivery_address	VARCHAR (255)	NOT NULL	The address where to send the notice. This is a valid address that is used to send the notice. This address is given to the notification service by the user. This is not derived by Notification Service.
address_active_status	SMALLINT (5)	NOT NULL	

Table 604: Keys

Key Name	Key Type	Keys
PK__alc4F47C5E3	Primary Key	user_notice_address_id

Table 605: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	alco_user_notice_ad-dress	3	bus_obj_type_id
alco_user	alco_user_notice_ad-dress	1	user_id

alco_user_preference

This table contains the common user preferences that are used across applications.

Table 606: Attributes

Column	Type	Null	Description
user_pref_id	INTEGER	NOT NULL	The user this list applies to.
user_id	INTEGER	NOT NULL	FK - the user for whom these preferences are about
ccard_id	INTEGER	NULL	FK - the users preferred card
backup_prompt_freq	VARCHAR (255)	NULL	not used
toolbar_icons	VARCHAR (255)	NULL	not used
show_list_on_entry	SMALLINT (5)	NULL	not used
auto_complete_flds	SMALLINT (5)	NULL	not used
cct_filter_status	SMALLINT (5)	NULL	Remembers the last cc filter sta-tus field setting
cct_filter_period	SMALLINT (5)	NULL	Remembers the last cc filter peri-od field setting
cct_filter_startdate	DATETIME	NULL	Remembers the last cc filter start date field setting
cct_filter_enddate	DATETIME	NULL	Remembers the last cc filter end date field setting
cct_filter_transac-tion_type	VARCHAR (255)	NULL	Remembers the last cc filter choice of sic code description
cct_filter_card_name	VARCHAR (255)	NULL	Remembers the last cc filter choice of card name
cct_filter_er_title	VARCHAR (255)	NULL	Remembers the last cc filter choice of ER title
cct_filter_er_Id	VARCHAR (255)	NULL	

Column	Type	Null	Description
wf_filter_status	SMALLINT (5)	NULL	
wf_filter_er_created_beg	DATETIME	NULL	
wf_filter_er_created_end	DATETIME	NULL	
wf_filter_er_modi-fied_beg	DATETIME	NULL	
wf_filter_er_modi-fied_end	DATETIME	NULL	
wf_filter_er_queued_beg	DATETIME	NULL	
wf_filter_er_queued_end	DATETIME	NULL	
wf_filter_owner_option	SMALLINT (5)	NULL	
wf_filter_activity_option	SMALLINT (5)	NULL	
wf_filter_type_option	SMALLINT (5)	NULL	
wf_filter_owner_fld	VARCHAR (255)	NULL	
wf_filter_activity_fld	VARCHAR (255)	NULL	
wf_filter_type_fld	VARCHAR (255)	NULL	
proxy_can_submit	SMALLINT (5)	NOT NULL	
route_to	LONG VARCHAR (18)	NULL	
change_timestamp	DATETIME	NULL	
default_currency_id	INTEGER	NULL	The default currency when the user creates a new ER or TP. This currency must match curren-cy_fmt_defn_id or second_curren-cy_id in alco_user. If this match-es neither, currency_fmt_defn_id is used as the default.
proxy_reviewer_can_sub-mit	SMALLINT (5)	NOT NULL	If set to one, the proxy reviewer can approve or respond

Table 607: Keys

Key Name	Key Type	Keys
XIF694aeference	Inversion Entry	user_id
PK__alc51300E55	Primary Key	user_pref_id
XIF663aeference	Inversion Entry	ccard_id

Table 608: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_user_preference	1	user_id
alcc_card	alco_user_preference	3	ccard_id
alco_currency_format	alco_user_preference	3	currency_fmt_defn_id

aloc_user_work_item_filter

This table stores the filter bob for work item and document link filtering.

Table 609: Attributes

Column	Type	Null	Description
user_work_item_filter_id	INTEGER	NOT NULL	The PK for table.
user_id	INTEGER	NULL	UserId of the user associated with the filter
date_created_after	DATETIME	NULL	date value for AFTER date filter
date_created_before	DATETIME	NULL	Date value for BEFORE date filter
date_modified_after	DATETIME	NULL	
date_modified_before	DATETIME	NULL	
date_entered_queue_after	DATETIME	NULL	
date_entered_queue_before	DATETIME	NULL	
owner_id	INTEGER	NULL	user id of document owner filter
owner_id_operator	INTEGER	NULL	Values are defined in DBStatic.java file. QUERY_OPERATOR_EQUALS = 0 QUERY_OPERA-TOR_GREATER_THAN=1 QUERY_OPERATOR_LESSER_THAN=2 QUERY_OPERA-TOR_EQUALS_GREATER=3 QUERY_OPERATOR_EQUALS_LESS-ER=4 QUERY_OPERA-TOR_NOT_EQUALS= 5 QUERY_OPER-ATOR_IS_LIKE=6 QUERY_OPERA-TOR_IS_NOT_LIKE= 7 QUERY_OPERA-TOR_IS_NULL=8 QUERY_OPERA-TOR_IS_NOT_NULL = 9 QUERY_OPER-

Column	Type	Null	Description
			ATOR_IN= 10 QUERY_OPERATOR_BE-TWEEN= 11
document_type	INTEGER	NULL	
document_type_opera-tor	INTEGER	NULL	Values are defined in DBStatic.java file. QUERY_OPERATOR_EQUALS = 0 QUERY_OPERA-TOR_GREATER_THAN=1 QUERY_OP-ERATOR_LESSER_THAN=2 QUERY_OPERA-TOR_EQUALS_GREATER=3 QUERY_OPERATOR_EQUALS_LESS-ER=4 QUERY_OPERA-TOR_NOT_EQUALS= 5 QUERY_OPER-ATOR_IS_LIKE=6 QUERY_OPERA-TOR_IS_NOT_LIKE= 7 QUERY_OPERA-TOR_IS_NULL=8 QUERY_OPERA-TOR_IS_NOT_NULL = 9 QUERY_OPER-ATOR_IN= 10 QUERY_OPERATOR_BE-TWEEN= 11
document_title	VARCHAR (255)	NULL	The document title
document_title_operator	INTEGER	NULL	Values are defined in DBStatic.java file. QUERY_OPERATOR_EQUALS = 0 QUERY_OPERA-TOR_GREATER_THAN=1 QUERY_OP-ERATOR_LESSER_THAN=2 QUERY_OPERA-TOR_EQUALS_GREATER=3 QUERY_OPERATOR_EQUALS_LESS-ER=4 QUERY_OPERA-TOR_NOT_EQUALS= 5 QUERY_OPER-ATOR_IS_LIKE=6 QUERY_OPERA-TOR_IS_NOT_LIKE= 7 QUERY_OPERA-TOR_IS_NULL=8 QUERY_OPERA-TOR_IS_NOT_NULL = 9 QUERY_OPER-ATOR_IN= 10 QUERY_OPERATOR_BE-TWEEN= 11
activity_number	INTEGER	NULL	Defined in DBStatic.java ACT_UNDE-FINED= 0 ACT_CREATE= 10 ACT_MGR_RVW = 20 ACT_EXEC_RVW= 25 ACT_ACCT_RVW= 30 ACT_PAY-ROLL= 40 ACT_ARCHIVE= 50 ACT_DE-STROY= 60 ACT_ROUTING= 998 ACT_OTHER= 999
activity_number_opera-tor	INTEGER	NULL	Values are defined in DBStatic.java file. QUERY_OPERATOR_EQUALS = 0 QUERY_OPERA-

Column	Type	Null	Description
			TOR_GREATER_THAN=1 QUERY_OPERATOR_LESSER_THAN=2 QUERY_OPERATOR_EQUALS_GREATER=3 QUERY_OPERATOR_EQUALS_LESSER=4 QUERY_OPERATOR_NOT_EQUALS= 5 QUERY_OPERATOR_IS_LIKE=6 QUERY_OPERATOR_IS_NOT_LIKE= 7 QUERY_OPERATOR_IS_NULL=8 QUERY_OPERATOR_IS_NOT_NULL = 9 QUERY_OPERATOR_IN= 10 QUERY_OPERATOR_BETWEEN= 11
filter_flags	INTEGER	NULL	Mask flags for checkbox settings i.e check/unchecked for each of the options in the Document filter screen.
audit_indicator	VARCHAR (255)	NULL	value to search for
audit_indicator_operator	INTEGER	NULL	query operator, for example like or equals
document_id	VARCHAR (255)	NULL	a document id to search for
document_id_operator	INTEGER	NULL	for example like or equals
user_er_filter_id	INTEGER	NULL	A bob reference
change_timestamp	DATETIME	NULL	
filter_type	INTEGER	NOT NULL	The document filter type

Table 610: Keys

Key Name	Key Type	Keys
PK__alc531856C7	Primary Key	user_work_item_filter_id
idx_wifilter_user	Inversion Entry	user_id

Table 611: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_validator

Table 612: Attributes

Column	Type	Null	Description
validator_id	INTEGER	NOT NULL	
validator_name	VARCHAR (255)	NOT NULL	The name of the validator
validator_class	VARCHAR (255)	NOT NULL	Name of the class to invoke
validator_active_status	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 613: Keys

Key Name	Key Type	Keys
PK__alc56E8E7AB	Primary Key	validator_id

Table 614: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alco_vat_account

This table holds the chart of VAT accounts for each set of books. VAT accounts are determined as a function of both Expense Account and any number of BOb elements on the line item as indicated in alco_vat_account_finder.

Table 615: Attributes

Column	Type	Null	Description
vat_account_id	INTEGER	NOT NULL	BOb ID primary key.
set_of_books_id	INTEGER	NOT NULL	Set of books to which this VAT account belongs. FK to alco_set_of_books.
parent_id	INTEGER	NULL	Parent Bob ID.
vat_account_name	VARCHAR (255)	NOT NULL	Short name of this VAT account. Used in DDLBs to identify this record, so unique in set of books.

Column	Type	Null	Description
vat_account_description	VARCHAR (255)	NULL	Account description.
vatd_gl_account	VARCHAR (255)	NULL	GL account used to book the VAT.
vatd_gl_subaccount	VARCHAR (255)	NULL	GL subaccount used to book the VAT.
vat_percent	FLOAT (8)	NULL	Populated if VAT is calculated by straight percentage. Otherwise, Null.
claimed_percent	FLOAT (8)	NULL	The percentage of the VAT to claim. Less than 100% for conservative VAT estimation.
vat_deductible_percent	FLOAT (8)	NULL	VAT deductible percentage. Used for legal VAT deductible percentage. For example, maybe meals are only 50% deductible.
vat_deductible_constant	NUMERIC (20)	NULL	Populated if VAT is calculated as a constant amount. Null otherwise.
vat_deductible_constant_id	INTEGER	NULL	
vat_deductible_per_mile	NUMERIC (20)	NULL	Populated if VAT is calculated by a constant amount per mile or kilometer. Null otherwise.
vat_deductible_per_mile_id	INTEGER	NULL	
vat_deductible_per_guest	NUMERIC (20)	NULL	Populated along with vat_constant if VAT is calculated by constant amount per guest. Null otherwise.
vat_deductible_per_guest_id	INTEGER	NULL	
spending_locale_id	INTEGER	NULL	Spending locale this VAT rate applies to. Only used for international VAT, null otherwise.
active_status	INTEGER	NOT NULL	Active status of this vat account entry.
vatdsub0	VARCHAR (18)	NULL	
vatdsub1	VARCHAR (18)	NULL	
vatdsub2	VARCHAR (18)	NULL	
vatdsub3	VARCHAR (18)	NULL	
vatdsub4	VARCHAR (18)	NULL	
vatdsub5	VARCHAR (18)	NULL	

Column	Type	Null	Description
vatdsub6	VARCHAR (18)	NULL	
vatdsub7	VARCHAR (18)	NULL	
vatdsub8	VARCHAR (18)	NULL	
vatdsub9	VARCHAR (18)	NULL	
change_timestamp	DATETIME	NULL	
vat_rate_per_mile	NUMERIC (20)	NULL	
vat_rate_per_mile_id	INTEGER	NULL	
pst_percent	FLOAT (8)	NULL	Tax rate for PST or QST
pst_claimed_percent	FLOAT (8)	NULL	Percent of PST or QST that the customer wants to reclaim.
include_gst_in_pst	INTEGER	NOT NULL	Set to 1 if this is for QST; 0 or null for PST.
pst_gl_account	VARCHAR (255)	NULL	GL account for PST or QST.
pst_gl_subaccount	VARCHAR (255)	NULL	GL subaccount for PST or QST.
pstsub0	VARCHAR (18)	NULL	GL subaccount 0 for PST or QST.
pstsub1	VARCHAR (18)	NULL	GL subaccount 1 for PST or QST.
pstsub2	VARCHAR (18)	NULL	GL subaccount 2 for PST or QST.
pstsub3	VARCHAR (18)	NULL	GL subaccount 3 for PST or QST.
pstsub4	VARCHAR (18)	NULL	GL subaccount 4 for PST or QST.
pstsub5	VARCHAR (18)	NULL	GL subaccount 5 for PST or QST.
pstsub6	VARCHAR (18)	NULL	GL subaccount 6 for PST or QST.
pstsub7	VARCHAR (18)	NULL	GL subaccount 8 for PST or QST.
pstsub8	VARCHAR (18)	NULL	GL subaccount 8 for PST or QST.
pstsub9	VARCHAR (18)	NULL	GL subaccount 9 for PST or QST.
vat_unclaimed_gl_account	VARCHAR (255)	NULL	GL account for the VAT or GST that is not reclaimed.
vat_unclaimed_gl_subaccount	VARCHAR (255)	NULL	GL subaccount for the VAT or GST that is not reclaimed.
vat_unclaimed_sub0	VARCHAR (18)	NULL	GL subaccount 0 for the VAT or GST that is not reclaimed.
vat_unclaimed_sub1	VARCHAR (18)	NULL	GL subaccount 1 for the VAT or GST that is not reclaimed.
vat_unclaimed_sub2	VARCHAR (18)	NULL	GL subaccount 2 for the VAT or GST that is not reclaimed.

Column	Type	Null	Description
vat_unclaimed_sub3	VARCHAR (18)	NULL	GL subaccount 3 for the VAT or GST that is not reclaimed.
vat_unclaimed_sub4	VARCHAR (18)	NULL	GL subaccount 4 for the VAT or GST that is not reclaimed.
vat_unclaimed_sub5	VARCHAR (18)	NULL	GL subaccount 5 for the VAT or GST that is not reclaimed.
vat_unclaimed_sub6	VARCHAR (18)	NULL	GL subaccount 6 for the VAT or GST that is not reclaimed.
vat_unclaimed_sub7	VARCHAR (18)	NULL	GL subaccount 7 for the VAT or GST that is not reclaimed.
vat_unclaimed_sub8	VARCHAR (18)	NULL	GL subaccount 8 for the VAT or GST that is not reclaimed.
vat_unclaimed_sub9	VARCHAR (18)	NULL	GL subaccount 9 for the VAT or GST that is not reclaimed.
pst_unclaimed_gl_account	VARCHAR (255)	NULL	GL account for the PST or QST that is not reclaimed.
pst_unclaimed_gl_subaccount	VARCHAR (255)	NULL	GL subaccount for the PST or QST that is not reclaimed.
pst_unclaimed_sub0	VARCHAR (18)	NULL	GL subaccount 0 for the PST or QST that is not reclaimed.
pst_unclaimed_sub1	VARCHAR (18)	NULL	GL subaccount 1 for the PST or QST that is not reclaimed.
pst_unclaimed_sub2	VARCHAR (18)	NULL	GL subaccount 2 for the PST or QST that is not reclaimed.
pst_unclaimed_sub3	VARCHAR (18)	NULL	GL subaccount 3 for the PST or QST that is not reclaimed.
pst_unclaimed_sub4	VARCHAR (18)	NULL	GL subaccount 4 for the PST or QST that is not reclaimed.
pst_unclaimed_sub5	VARCHAR (18)	NULL	GL subaccount 5 for the PST or QST that is not reclaimed.
pst_unclaimed_sub6	VARCHAR (18)	NULL	GL subaccount 6 for the PST or QST that is not reclaimed.
pst_unclaimed_sub7	VARCHAR (18)	NULL	GL subaccount 7 for the PST or QST that is not reclaimed.
pst_unclaimed_sub8	VARCHAR (18)	NULL	GL subaccount 8 for the PST or QST that is not reclaimed.
pst_unclaimed_sub9	VARCHAR (18)	NULL	GL subaccount 9 for the PST or QST that is not reclaimed.

Column	Type	Null	Description
tax_deduction_method	INTEGER	NULL	Determines which method to use to calculate the tax deductible amount. • 1 = percent • 2 = constant • 3 = per guest • 4 = per mile • 5 = VAT per mile • 6 = gross amount per guest
vat_on_personal_expenses	INTEGER	NOT NULL	• 1 = calculate VAT on personal expenses as well as reimbursable • 0 = calculate VAT only on reimbursable expenses ;
vat_javascript_id	INTEGER	NULL	Foreign key to alco_vat_javascript.
expense_account_list	VARCHAR (255)	NULL	Name used to link with alco_vat_account
effective_date	DATETIME	NULL	Date this rate becomes effective
until_date	DATETIME	NULL	Last day this rate is effective

Table 616: Keys

Key Name	Key Type	Keys
PK__alc58D1301D	Primary Key	vat_account_id
XIF1098_account	Inversion Entry	set_of_books_id

Table 617: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_set_of_books	alco_vat_account	1	set_of_books_id
alco_vat_javascript	alco_vat_account	3	vat_javascript_id
alco_vat_account	aler_expense_line_item	3	vat_account_id
alco_vat_account	alco_expense_account	3	vat_account_id
alco_vat_account	alpr_invoice_line_item	3	vat_account_id
alco_vat_account	aler_expense_line_item	3	vat_account_id

alco_vat_javascript

Table 618: Attributes

Column	Type	Null	Description
vat_javascript_id	INTEGER	NOT NULL	primary key
script_name	VARCHAR (255)	NOT NULL	name of the java script
script_description	VARCHAR (255)	NULL	description of the javascript
script	LONG VARCHAR (18)	NOT NULL	the javascript body
active_status	SMALLINT (5)	NOT NULL	active status
change_timestamp	DATETIME	NULL	change timestamp

Table 619: Keys

Key Name	Key Type	Keys
PK531	Primary Key	vat_javascript_id

Table 620: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_vat_javascript	alco_vat_account	3	vat_javascript_id

alco_vendor

A vendor is a company, such as Continental Air Lines. A specific franchise location can be a merchant. (At this time, however, a relationship does not exist between vendors and merchants.) This table is primarily used by the front-end to provide a pick-list of vendors on the main Expense Reporter expense report data entry screen.

Table 621: Attributes

Column	Type	Null	Description
vendor_id	INTEGER	NOT NULL	PK
user_id	INTEGER	NULL	PK
vendor_name	VARCHAR (255)	NOT NULL	The name of the vendor
vendor_given_sic_code	VARCHAR (255)	NULL	The VISA/MasterCard SIC code for chains

Column	Type	Null	Description
vendor_active_status	SMALLINT (5)	NOT NULL	ASF
vendor_chain_code	CHAR (20)	NULL	
change_timestamp	DATETIME	NULL	

Table 622: Keys

Key Name	Key Type	Keys
PK__alc5AB9788F	Primary Key	vendor_id
XIF723ao_vendor	Inversion Entry	user_id

Table 623: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alco_vendor	3	user_id
alco_vendor	aler_expense_line_item	3	vendor_id
alco_vendor	alcc_merchant	3	vendor_id
alco_vendor	alhh_transaction	3	vendor_id
alco_vendor	altr_line_item	3	vendor_id

alco_voice_alias

This table supports the translation of text into corporate data for voice expenses, and is also used by the per diem importer to translate the country names.

Table 624: Attributes

Column	Type	Null	Description
alias_id	INTEGER	NOT NULL	Primary key
user_id	INTEGER	NULL	It is the user id if this is a user-specific alias.
bob_type	INTEGER	NOT NULL	This alias refers to the corporate data of this Bob type.
bob_id	INTEGER	NOT NULL	This alias refers to the corporate data of this Bob id.

Column	Type	Null	Description
locale_string	VARCHAR(32)	NOT NULL	The locale of the text in the alias column.
alias	VARCHAR(32)	NOT NULL	The alias string.
active_status	SMALLINT	NOT NULL	1 = data is active
change_timestamp	DATETIME	NULL	The date and time at which the data was modified.

alco_weekend_schedule

This table contains the weekend schedule. The standard weekend schedule is Saturday and Sunday.

Table 625: Attributes

Column	Type	Null	Description
weekend_schedule_id	INTEGER	NOT NULL	
weekend_schedule_name	VARCHAR (255)	NOT NULL	The name of the weekend schedule
sunday	SMALLINT (5)	NOT NULL	1 if Sunday is weekend; otherwise, 0.
monday	SMALLINT (5)	NOT NULL	1 if Monday is weekend; otherwise, 0.
tuesday	SMALLINT (5)	NOT NULL	1 if Tuesday is weekend; otherwise, 0.
wednesday	SMALLINT (5)	NOT NULL	1 if Wednesday is weekend; otherwise 0.
thursday	SMALLINT (5)	NOT NULL	1 if thursday is weekend; otherwise, 0.
friday	SMALLINT (5)	NOT NULL	1 if Friday is weekend; otherwise, 0.
saturday	SMALLINT (5)	NOT NULL	1 if Saturday is weekend; otherwise, 0.
active_status	SMALLINT (5)	NOT NULL	Active status of the weekend schedule
change_timestamp	DATETIME	NULL	Change timestamp

Table 626: Keys

Key Name	Key Type	Keys
PK556	Primary Key	weekend_schedule_id

Table 627: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_weekend_schedule	alts_timesheet	3	weekend_schedule_id
alco_weekend_schedule	alts_timesheet_profile	1	weekend_schedule_id

alco_wi_filter_activity

Table 628: Attributes

Column	Type	Null	Description
wi_filter_activity_id	INTEGER	NOT NULL	
activity_id	INTEGER	NOT NULL	A unique bob id. Primary key.
user_work_item_filter_id	INTEGER	NOT NULL	

Table 629: Keys

Key Name	Key Type	Keys
PK463	Primary Key	wi_filter_activity_id

Table 630: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_activity	alco_wi_filter_activity	1	activity_id

alco_xm_release

This table stores lists the XM release dates for customers to identify new features

Table 631: Attributes

Column	Type	Null	Description
xm_release_id	INTEGER	NOT NULL	The uid
release_name	VARCHAR (255)	NOT NULL	The release name/number
release_date	DATETIME	NOT NULL	The release date
build	VARCHAR (255)	NOT NULL	The build number or directory
active_status	SMALLINT (5)	NOT NULL	The active status
change_timestamp	DATETIME	NULL	The change timestamp

Table 632: Keys

Key Name	Key Type	Keys
PK601	Primary Key	xm_release_id

Table 633: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_xm_release	alco_background_process	1	xm_release_id
alco_xm_release	aldt_adc_defn	1	xm_release_id
alco_xm_release	aldt_new_bob_defn	1	xm_release_id
alco_xm_release	aldt_new_bob_elements	1	xm_release_id
alco_xm_release	almt_bob_elements	1	xm_release_id
alco_xm_release	almt_bob_type	1	xm_release_id
alco_xm_release	alwf_appl_parameters	1	xm_release_id

alct_adc_panel_settings

Table 634: Attributes

Column	Type	Null	Description
adc_panel_settings_id	INTEGER	NOT NULL	
single_panel	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Column	Type	Null	Description
toggle_panel_settings_id	INTEGER	NULL	

Table 635: Keys

Key Name	Key Type	Keys
PK419	Primary Key	adc_panel_settings_id

Table 636: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_toggle_panel_settings	alct_adc_panel_settings	3	toggle_panel_settings_id

alct_checkbox_mi_settings

This table describes the entries of a meta checkbox menu item.

Table 637: Attributes

Column	Type	Null	Description
checkbox_mi_settings_id	INTEGER	NOT NULL	
label	VARCHAR (100)	NULL	The text that appears on the MenuItem.
accelerator	VARCHAR (50)	NULL	The optional combination of keystrokes that is a shortcut for triggering this MenuItem
change_timestamp	DATETIME	NULL	

Table 638: Keys

Key Name	Key Type	Keys
PK420	Primary Key	checkbox_mi_settings_id

Table 639: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_checkbox_settings

Table 640: Attributes

Column	Type	Null	Description
checkbox_settings_id	INTEGER	NOT NULL	
checked_value	VARCHAR (255)	NULL	
unchecked_value	VARCHAR (255)	NULL	
label	VARCHAR (255)	NULL	
radio_group_name	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	

Table 641: Keys

Key Name	Key Type	Keys
PK__alc5CA1C101	Primary Key	checkbox_settings_id

Table 642: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_choicebox_settings

Table 643: Attributes

Column	Type	Null	Description
choicebox_settings_id	NTEGER	NOT NULL	
fill_bob	VARCHAR (255)	NULL	
fill_element	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	
fill_bob_set_name	VARCHAR (255)	NULL	

Table 644: Keys

Key Name	Key Type	Keys
PK__alc5E8A0973	Primary Key	choicebox_settings_id

Table 645: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_click_image_btn_set

Table 646: Attributes

Column	Type	Null	Description
click_image_btn_set_id	INTEGER	NOT NULL	
button_text	VARCHAR (255)	NULL	
unselected_image	VARCHAR (255)	NULL	
highlighted_image	VARCHAR (255)	NULL	
selected_image	VARCHAR (255)	NULL	
group_name	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	

Table 647: Keys

Key Name	Key Type	Keys
PK__alc607251E5	Primary Key	click_image_btn_set_id

Table 648: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_column_settings

Table 649: Attributes

Column	Type	Null	Description
column_settings_id	INTEGER	NOT NULL	
parent_id	INTEGER	NULL	
column_name	VARCHAR (255)	NULL	

Column	Type	Null	Description
column_order	INTEGER	NULL	
bob_element_name	VARCHAR (255)	NULL	
length	INTEGER	NULL	
control_defn_id	INTEGER	NULL	This column contains a reference to the bob in the control_defn table that defines the embedded component type that is embedded in this grid column (cell)
change_timestamp	DATETIME	NULL	
type_of_column	CHAR (1)	NULL	Indicates which table section (L = left, C or null = center, R = right) the column belongs.
alignment	CHAR (1)	NULL	Indicates the justification (L or null = left, C = center, R = right) within the cell for all data in this column.
data_map_group_id	INTEGER	NULL	indicates the DataMap group to use when displaying data
date_format	CHAR (1)	NULL	if this column displays alcalendars then this flag indicates what DateFormat to use: • s = short • m = medium • l = long • f = full
time_format	CHAR (1)	NULL	which time format to use: • s = short • m = medium • l = long • f = full
sortable	INTEGER	NULL	Indicates whether the user (1 or null) can or (0) cannot click in the header of the column to sort the data.

Table 650: Keys

Key Name	Key Type	Keys
PK__alc6442E2C9	Primary Key	column_settings_id

Table 651: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_control_defn	alct_column_settings	3	control_defn_id
alct_column_settings	alct_header_footer_settings	3	column_settings_id

alct_combobox_settings

Table 652: Attributes

Column	Type	Null	Description
combobox_settings_id	INTEGER	NOT NULL	
fill_bob	VARCHAR (255)	NULL	
fill_element	VARCHAR (255)	NULL	
is_editable	INTEGER	NULL	
mask	VARCHAR (255)	NULL	
fill_bob_set_name	VARCHAR (255)	NULL	
element_to_save	VARCHAR (255)	NULL	
allow_none	INTEGER	NULL	
allow_multiple	INTEGER	NULL	
multiple_text	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	
filter_class	VARCHAR (100)	NULL	Sets the filter to apply to Bobs when they are about to be added to the Combo.

Table 653: Keys

Key Name	Key Type	Keys
PK__alc662B2B3B	Primary Key	combobox_settings_id

Table 654: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_control_defn

This table is used to define the UI (user interface) screens, and the components that comprise them. This is based on the Java grid-bag architecture.

Table 655: Attributes

Column	Type	Null	Description
control_defn_id	INTEGER	NOT NULL	PK
control_parent_id	INTEGER	NULL	The screens are organized in a hierarchical manner
reuse_id	INTEGER	NULL	A variable length field that is completely different depending on the type of component.
control_name	VARCHAR (100)	NOT NULL	The name of the control, used in the program code.
control_type	CHAR (30)	NOT NULL	The type of control
grid_x	SMALLINT (5)	NULL	The x coordinate (colunm). 1 based, from top to bottom, left to right.
grid_y	SMALLINT (5)	NULL	The y coordinate (row).
grid_width	SMALLINT (5)	NULL	# of rectangles of width
grid_height	SMALLINT (5)	NULL	# of rectangles of height
fill	CHAR (20)	NULL	Which direction should this component fill in
anchor	CHAR (20)	NULL	What side is the component anchored in
weight_x	FLOAT (8)	NULL	Relative to other component siblings, for filling empty space, which is most important
weight_y	FLOAT (8)	NULL	Relative to other component siblings, for filling empty space, which is most important
i_pad_x	INTEGER	NULL	
i_pad_y	INTEGER	NULL	
inset_top	SMALLINT (5)	NULL	Mandatory open space / margin on the top
inset_bottom	SMALLINT (5)	NULL	Mandatory open space / margin on the bottom
inset_left	SMALLINT (5)	NULL	Mandatory open space / margin on the left

Column	Type	Null	Description
inset_right	SMALLINT (5)	NULL	Mandatory open space / margin on the right
tab_order	INTEGER	NULL	Specifies the tab order for the components
foreground_color	CHAR (11)	NULL	Color for the foreground
background_color	CHAR (11)	NULL	Color for the background
font_name	CHAR (20)	NULL	The font type
font_size	INTEGER	NULL	The font size
font_style	CHAR (6)	NULL	Modifications - bold/italic
enabled	INTEGER	NULL	Is it enabled? [***not used?]
visible	INTEGER	NULL	• if visible == 0, component is created but made invisible • if visible == 1 or null, component is created and visible • if visible == 2, component is not fully created and is initially invisible, but once this is set visible, this can be fully created
initial_bob_type	VARCHAR (255)	NULL	For initializing the screen, what bob to use (uses 'current bob')
initial_bob_elem	VARCHAR (255)	NULL	For initializing the screen, what bob element to use
control_class	VARCHAR (255)	NULL	The java class that controls this screen
control_setting	INTEGER	NULL	
control_setting_type	INTEGER	NULL	
label_control_name	VARCHAR (100)	NULL	
min_width	INTEGER	NULL	minimum component width in pixels
min_height	INTEGER	NULL	minimum component height in pixels
max_width	INTEGER	NULL	maximum component widtht in pixels
max_height	INTEGER	NULL	maximum component height in pixels
change_timestamp	DATETIME	NULL	
bob_set_name	VARCHAR (255)	NULL	
pref_width	INTEGER	NULL	

Column	Type	Null	Description
pref_height	INTEGER	NULL	
tooltip_text	VARCHAR (255)	NULL	Tooltip text to display to user.
opaque	INTEGER	NULL	Indicates whether to paint the background of the component.
action_name	VARCHAR (50)	NULL	Callbacks can register with Action-Manager to be notified when components with this action_name are pressed.

Table 656: Keys

Key Name	Key Type	Keys
PK__alc681373AD	Primary Key	control_defn_id
XIE1alcrol_defn	Inversion Entry	control_parent_id
XIE2alcrol_defn	Inversion Entry	control_type

Table 657: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_control_defn	alct_url	3	control_defn_id
alct_control_defn	alat_corpdata_type	1	control_defn_id
alct_control_defn	alat_menu_item	3	control_defn_id
alct_control_defn	albr_template	3	control_defn_id
alct_control_defn	alct_column_settings	3	control_defn_id

alct_currency_field_settings

Table 658: Attributes

Column	Type	Null	Description
currency_field_settings_id	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 659: Keys

Key Name	Key Type	Keys
PK__alc69FBBC1F	Primary Key	currency_field_settings_id

Table 660: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_data_map

A DataMap can exist for a column of MetaTable which considers the value to be displayed in a cell and displays an alternate image or text. This can be used (for example) to have a column display the image 'redBall.gif' anytime the data of the cell is the number '1', of 'blueBall.gif' id the number is '2', and so on.

Table 661: Attributes

Column	Type	Null	Description
data_map_id	INTEGER	NOT NULL	bob id
data_map_group_id	INTEGER	NOT NULL	Use this arbitrary id to group entries into a single DataMap referenced by the column
display_string	VARCHAR (100)	NULL	The string to display whenever the cell value is <data>
image_name	VARCHAR (100)	NULL	Filename of the image to display whenever the cell value is <data>
tooltip_text	VARCHAR (100)	NULL	tooltip string to display whenever the cell value is <data>
change_timestamp	DATETIME	NULL	
name_value_pair_id	INTEGER	NULL	

Table 662: Keys

Key Name	Key Type	Keys
PK410	Primary Key	data_map_id

Table 663: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_name_value_pair	alct_data_map	3	name_value_pair_id

alct_dialog_settings

Table 664: Attributes

Column	Type	Null	Description
dialog_settings_id	INTEGER	NOT NULL	
min_height	INTEGER	NULL	
min_width	INTEGER	NULL	
title	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	

Table 665: Keys

Key Name	Key Type	Keys
PK__alc6BE40491	Primary Key	dialog_settings_id

Table 666: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_field_settings

Table 667: Attributes

Column	Type	Null	Description
field_settings_id	INTEGER	NOT NULL	
mask	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	

Table 668: Keys

Key Name	Key Type	Keys
PK__alc6DCC4D03	Primary Key	field_settings_id

Table 669: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_frame_settings

Table 670: Attributes

Column	Type	Null	Description
frame_settings_id	INTEGER	NOT NULL	
min_height	INTEGER	NULL	
min_width	INTEGER	NULL	
title	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	

Table 671: Keys

Key Name	Key Type	Keys
PK__alc6FB49575	Primary Key	frame_settings_id

Table 672: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_grid_set_settings

Table 673: Attributes

Column	Type	Null	Description
grid_set_settings_id	INTEGER	NOT NULL	Primary key (a unique bob id)
mcw_gui_control	INTEGER	NULL	id of the built in MCW component

Column	Type	Null	Description
first_button_gui_control	INTEGER	NULL	Id of the built in first button component
second_button_gui_control	INTEGER	NULL	Id of the built in second button component
first_button_gif_image	VARCHAR (255)	NULL	The file name of the image for the first button component
first_button_label	VARCHAR (255)	NULL	The label that must be placed in the first button component
second_button_gif_image	VARCHAR (255)	NULL	The file name of the image for the second button component
second_button_label	VARCHAR (255)	NULL	The label that goes in the second button component
grid_filter_class	VARCHAR (255)	NULL	Name of the filter class for the grid
visible_header_row_cnt	INTEGER	NULL	Number of visible header rows
show_header_row_separator	INTEGER	NULL	Whether to show header row separator or not. • 0 = No • 1 = Yes, show the separator
visible_footer_row_cnt	INTEGER	NULL	Number of footer rows.
show_footer_row_separator	INTEGER	NULL	Whether to show footer row separator or not. • 0 = No • 1 = Yes, show the separator
multiple_selection	SMALLINT (5)	NOT NULL	Multiple selection allowed in grid set
change_timestamp	DATETIME	NULL	

Table 674: Keys

Key Name	Key Type	Keys
PK__alc719CDDE7	Primary Key	grid_set_settings_id

Table 675: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_grid_settings

Table 676: Attributes

Column	Type	Null	Description
grid_settings_id	INTEGER	NOT NULL	
grid_filter_class	VARCHAR (255)	NULL	
visible_header_row_cnt	INTEGER	NULL	
show_header_row_separator	INTEGER	NULL	
visible_footer_row_cnt	INTEGER	NULL	
show_footer_row_separator	INTEGER	NULL	
listen_to_all_bobs	SMALLINT (5)	NULL	
multiple_selection	SMALLINT (5)	NOT NULL	Multiple selection allowed in grid
change_timestamp	DATETIME	NULL	

Table 677: Keys

Key Name	Key Type	Keys
PK__alc73852659	Primary Key	grid_settings_id

Table 678: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_groupbox_settings

Table 679: Attributes

Column	Type	Null	Description
groupbox_settings_id	INTEGER	NOT NULL	
label	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	

Table 680: Keys

Key Name	Key Type	Keys
PK__alc756D6ECB	Primary Key	groupbox_settings_id

Table 681: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_header_footer_settings

Table 682: Attributes

Column	Type	Null	Description
header_footer_set-tings_id	INTEGER	NOT NULL	
column_settings_id	INTEGER	NULL	
row_order_number	INTEGER	NOT NULL	A sequence number that designates the position of the row. Starts at 0 for the first row position.
display_string	VARCHAR (255)	NULL	This is the internationalized label that is displayed in the header or footer row. Example: @@EM12345
type_of_row	CHAR (1)	NULL	Designates the type of row as header or footer. A value 'F' = footer A value 'H' = header
change_timestamp	DATETIME	NULL	
image_name	VARCHAR (100)	NULL	optional name of .gif file to be displayed in cell of a header
tooltip_text	VARCHAR (100)	NULL	text shown in tooltip when cursor over cell in header or footer

Table 683: Keys

Key Name	Key Type	Keys
PK__alc7755B73D	Primary Key	header_foter_settings_id

Table 684: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_column_settings	alct_header_footer_settings	3	column_settings_id

alct_image_btn_field_set

Table 685: Attributes

Column	Type	Null	Description
image_btn_field_set_id	INTEGER	NOT NULL	
image_button_settings_id	INTEGER	NULL	
mask	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	

Table 686: Keys

Key Name	Key Type	Keys
PK__alc793DFFAF	Primary Key	image_btn_field_set_id

Table 687: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_image_button_settings	alct_image_btn_field_set	3	image_button_settings_id

alct_image_button_settings

Table 688: Attributes

Column	Type	Null	Description
image_button_settings_id	INTEGER	NOT NULL	
label	VARCHAR (255)	NULL	

Column	Type	Null	Description
location	VARCHAR (20)	NULL	
normal_image_name	VARCHAR (255)	NULL	
pressed_image_name	VARCHAR (255)	NULL	
disabled_image_name	VARCHAR (255)	NULL	
is_default_button	INTEGER	NULL	
button_type	INTEGER	NULL	These are the valid values: • 0 or Null equals current existing button • 1 equals current existing toolbar button • 2 equals new round corners button
event_data	VARCHAR (255)	NULL	
button_usage_type	INTEGER	NULL	Defines the usage of a given button on a screen. Values are specified in the metaImageButton class. These are the current values: • 0 - not applicable • 1 - Help • 2 - Cancel
disable_message	VARCHAR (255)	NULL	This message is displayed when a disabled button is pressed.
change_timestamp	DATETIME	NULL	

Table 689: Keys

Key Name	Key Type	Keys
PK__alc7B264821	Primary Key	image_button_settings_id

Table 690: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_image_button_settings	alct_image_btn_field_set	3	image_button_settings_id
alct_image_button_settings	alct_menu_button_settings	3	image_button_settings_id

alct_image_settings

Table 691: Attributes

Column	Type	Null	Description
image_settings_id	INTEGER	NOT NULL	
image_name	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	

Table 692: Keys

Key Name	Key Type	Keys
PK__alc7D0E9093	Primary Key	image_settings_id

Table 693: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_label_settings

Table 694: Attributes

Column	Type	Null	Description
label_settings_id	INTEGER	NOT NULL	
label	VARCHAR (255)	NULL	
alignment	VARCHAR (20)	NULL	
change_timestamp	DATETIME	NULL	

Table 695: Keys

Key Name	Key Type	Keys
PK__alc7EF6D905	Primary Key	label_settings_id

Table 696: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_list_settings

Table 697: Attributes

Column	Type	Null	Description
list_settings_id	INTEGER	NOT NULL	
fill_bob	VARCHAR (255)	NULL	
fill_element	VARCHAR (255)	NULL	
multiple_selection	SMALLINT (5)	NOT NULL	Multiple selection allowed in list
change_timestamp	DATETIME	NULL	
fill_bob_set_name	VARCHAR (255)	NULL	

Table 698: Keys

Key Name	Key Type	Keys
PK__alc00DF2177	Primary Key	list_settings_id

Table 699: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_menu_button_settings

Table 700: Attributes

Column	Type	Null	Description
menu_button_settings_id	INTEGER	NOT NULL	
image_button_settings_id	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 701: Keys

Key Name	Key Type	Keys
PK__alc02C769E9	Primary Key	menu_button_settings_id

Table 702: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_image_button_set-tings	alct_menu_button_set-tings	3	image_button_set-tings_id
alct_menu_button_set-tings	alct_url_button_settings	3	menu_button_settings_id

alct_menu_item_settings

Table 703: Attributes

Column	Type	Null	Description
menu_item_settings_id	INTEGER	NOT NULL	
label	VARCHAR (100)	NULL	The text that appears on the menu.
image_name	VARCHAR (100)	NULL	The optional image that appears to the left of the label.
accelerator	VARCHAR (50)	NULL	A combination of keystrokes that is a shortcut to open the menus and selecting this menu item. See IMtatMenuItem.java for format details.
change_timestamp	DATETIME	NULL	

Table 704: Keys

Key Name	Key Type	Keys
PK369	Primary Key	menu_item_settings_id

Table 705: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_menu_settings

Table 706: Attributes

Column	Type	Null	Description
menu_settings_id	INTEGER	NOT NULL	
label	VARCHAR (100)	NULL	The text that appears on the menu.
image_name	VARCHAR (100)	NULL	The optional image that appears to the left of the label.
change_timestamp	DATETIME	NULL	

Table 707: Keys

Key Name	Key Type	Keys
PK368	Primary Key	menu_settings_id

Table 708: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_name_value_pair

Table 709: Attributes

Column	Type	Null	Description
name_value_pair_id	INTEGER	NOT NULL	
parent_id	INTEGER	NULL	a bob id of control, typically a combo box
name	VARCHAR (255)	NOT NULL	Name used internally, for programatic use
display_string	VARCHAR (255)	NOT NULL	
type	CHAR (1)	NOT NULL	see almt_bob_elements, actual value stored in one of the following columns
int_value	INTEGER	NULL	
float_value	FLOAT (8)	NULL	

Column	Type	Null	Description
date_value	DATETIME	NULL	
string_value	VARCHAR (255)	NULL	
hours_value	NUMERIC (14)	NULL	
currency_value	NUMERIC (20)	NULL	
currency_value_id	INTEGER	NULL	
bobref_value_type	INTEGER	NULL	
bobref_value	INTEGER	NULL	

Table 710: Keys

Key Name	Key Type	Keys
PK__alc04AFB25B	Primary Key	name_value_pair_id
psr_anvp_pid	Inversion Entry	parent_id

Table 711: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_name_value_pair	alct_data_map	3	name_value_pair_id

alct_page_list_settings

Table 712: Attributes

Column	Type	Null	Description
page_list_settings_id	INTEGER	NOT NULL	
mcw_gui_control	INTEGER	NULL	
next_image_gui_control	INTEGER	NULL	
prev_image_gui_control	INTEGER	NULL	
label_gui_control	INTEGER	NULL	
grid_filter_class	VARCHAR (255)	NULL	
visible_header_row_cnt	INTEGER	NULL	
show_header_row_separator	INTEGER	NULL	
visible_footer_row_cnt	INTEGER	NULL	

Column	Type	Null	Description
show_footer_row_separator	INTEGER	NULL	
multiple_selection	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 713: Keys

Key Name	Key Type	Keys
PK__alc0697FACD	Primary Key	page_list_settings_id

Table 714: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_panel_settings

Table 715: Attributes

Column	Type	Null	Description
panel_settings_id	INTEGER	NOT NULL	Unique primary key.
background_image_name	VARCHAR (255)	NULL	Name of the background image for the panel.
change_timestamp	DATETIME	NULL	Timestamp for offline synchronization.

Table 716: Keys

Key Name	Key Type	Keys
PK358	Primary Key	panel_settings_id

Table 717: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_radio_button_mi_settings

This table describes the entries of a meta radio button menu.

Table 718: Attributes

Column	Type	Null	Description
radio_button_mi_set-tings_id	INTEGER	NOT NULL	
label	VARCHAR (100)	NULL	The text that appears on the MenuItem
radio_group_name	VARCHAR (100)	NULL	The mutually exclusive group that this item belongs to
accelerator	VARCHAR (50)	NULL	The optional combination of keystrokes that is a shortcut for triggering this MenuItem
change_timestamp	DATETIME	NULL	

Table 719: Keys

Key Name	Key Type	Keys
PK421	Primary Key	radio_button_mi_settings_id

Table 720: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_scroll_pane_settings

This table describes what the scrollbar policies must be.' For example always visible, only as needed, or never.

Table 721: Attributes

Column	Type	Null	Description
scroll_pane_settings_id	INTEGER	NOT NULL	
hsb_policy	INTEGER	NULL	The horizontal scrollbar policy (that is when to display a scrollbar): • 0 == NEVER • 1 == ALWAYS

Column	Type	Null	Description
			• 2 == AS NEEDED
vsb_policy	INTEGER	NULL	The vertical scrollbar policy (that is when to display a scrollbar):
			• 0 == NEVER
			• 1 == ALWAYS
			• 2 == AS NEEDED
change_timestamp	DATETIME	NULL	

Table 722: Keys

Key Name	Key Type	Keys
PK411	Primary Key	scroll_pane_settings_id

Table 723: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_separator_settings

Table 724: Attributes

Column	Type	Null	Description
separator_settings_id	INTEGER	NOT NULL	
etching_style	INTEGER	NULL	
thickness	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 725: Keys

Key Name	Key Type	Keys
PK__alc0880433F	Primary Key	separator_settings_id

Table 726: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_split_pane_settings

Table 727: Attributes

Column	Type	Null	Description
split_pane_settings_id	INTEGER	NOT NULL	
orientation	INTEGER	NULL	
one_touch_expand	SMALLINT (5)	NULL	
resize_weight	FLOAT (8)	NULL	
initial_divider_location	FLOAT (8)	NULL	
first_component	VARCHAR (255)	NOT NULL	
second_component	VARCHAR (255)	NULL	
change_timestamp	DATETIME	NULL	

Table 728: Keys

Key Name	Key Type	Keys
PK279	Primary Key	split_pane_settings_id

Table 729: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_tabpanel_settings

Table 730: Attributes

Column	Type	Null	Description
tabpanel_settings_id	INTEGER	NOT NULL	
tabs_per_row	INTEGER	NULL	
tab_placement	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 731: Keys

Key Name	Key Type	Keys
PK__alc0A688BB1	Primary Key	tabpanel_settings_id

Table 732: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_tabpanel_settings	alct_tabpanel_tab_settings	1	tabpanel_settings_id

alct_tabpanel_tab_settings

Table 733: Attributes

Column	Type	Null	Description
tabpanel_tab_settings_id	INTEGER	NOT NULL	
tabpanel_settings_id	INTEGER	NOT NULL	
tab_name	VARCHAR (255)	NULL	
tab_order	INTEGER	NULL	
label	VARCHAR (255)	NULL	
image_name	VARCHAR (255)	NULL	
control_name	VARCHAR (255)	NULL	
tab_visible	SMALLINT (5)	NULL	Describes whether the tab is visible. These are the values: • 0 -- invisible • 1 -- visible • null -- visible
change_timestamp	DATETIME	NULL	

Table 734: Keys

Key Name	Key Type	Keys
PK__alc0C50D423	Primary Key	tabpanel_tab_settings_id

Table 735: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_tabpanel_settings	alct_tabpanel_tab_settings	1	tabpanel_settings_id

alct_toggle_panel_settings

This table is used to create a MetaTogglePanel.

Table 736: Attributes

Column	Type	Null	Description
toggle_panel_settings_id	INTEGER	NOT NULL	
label	VARCHAR (255)	NULL	The optional text that appears next to the arrow button at the top of the component
initially_open	INTEGER	NULL	The initial state of the panel: • 1 == open • 0 or null == closed
change_timestamp	DATETIME	NULL	

Table 737: Keys

Key Name	Key Type	Keys
PK416	Primary Key	toggle_panel_settings_id

Table 738: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_toggle_panel_settings	alct_adc_panel_settings	3	toggle_panel_settings_id

alct_tree_settings

Table 739: Attributes

Column	Type	Null	Description
tree_settings_id	INTEGER	NOT NULL	
grid_filter_class	VARCHAR (255)	NULL	The name of a java class which is used to filter the presentation of the tree nodes. This must be fully qualified package name. Example: largesoft.ts.treefilter r
visible_header_row_cnt	INTEGER	NULL	The number of header rows.

Column	Type	Null	Description
show_header_row_separator	INTEGER	NULL	• A value 1 = yes, show row separator • A value 0 = no, do not show separator
visible_footer_row_cnt	INTEGER	NULL	The number of footer rows to show.
show_footer_row_separator	INTEGER	NULL	• A value 1 = yes, show footer row separator • A value 0 = no, do not show footer separator
listen_to_all_bobs	SMALLINT (5)	NULL	
change_timestamp	DATETIME	NULL	

Table 740: Keys

Key Name	Key Type	Keys
PK__alc0E391C95	Primary Key	tree_settings_id

Table 741: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alct_url

This table defines the url's for the url button.

Table 742: Attributes

Column	Type	Null	Description
url_id	INTEGER	NOT NULL	id
control_defn_id	INTEGER	NULL	Identifies the control; see alct_control_defn
url_sequence	INTEGER	NOT NULL	sequence of this url: 1,2,3...
url	LONG VARCHAR (18)	NOT NULL	the url, such as 'http://www.extensity.com'
url_label	VARCHAR (255)	NOT NULL	display label used for url, such as 'Extensity'

Column	Type	Null	Description
http_request_type	CHAR (10)	NULL	The type of http request for which the processing is done by the subsystem : The values can be: • 'GET' • 'POST'
bob_subsystem_name	VARCHAR (255)	NULL	The name of the bob subsystem as defined in ISubsystem.java Example: 'SSO'
bob_subsys- tem_call_params	VARCHAR (255)	NULL	comma delimited arguments to the Subsystem call Example 'GETTHERE'
change_timestamp	DATETIME	NULL	
active_status	SMALLINT (5)	NULL	

Table 743: Keys

Key Name	Key Type	Keys
PK__alc10216507	Primary Key	url_id

Table 744: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_control_defn	alct_url	3	control_defn_id

alct_url_button_settings

Table 745: Attributes

Column	Type	Null	Description
url_button_settings_id	INTEGER	NOT NULL	
menu_button_settings_id	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 746: Keys

Key Name	Key Type	Keys
PK__alc1209AD79	Primary Key	url_button_settings_id

Table 747: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alct_menu_button_settings	alct_url_button_settings	3	menu_button_settings_id

alct_vert_text_settings

Table 748: Attributes

Column	Type	Null	Description
vert_text_settings_id	INTEGER	NOT NULL	
init_text	VARCHAR (255)	NULL	
draw_border	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 749: Keys

Key Name	Key Type	Keys
PK__alc13F1F5EB	Primary Key	vert_text_settings_id

Table 750: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

aldt_adc_defn

This table contains the data for all the new ADCs, which are maintained by the ADC Editor Tool.

Table 751: Attributes

Column	Type	Null	Description
adc_id	INTEGER	NOT NULL	Bob ID of the customer ADC
adc_name	VARCHAR (255)	NOT NULL	Name of the customer ADC
sequence_no	INTEGER	NOT NULL	Sequence number of the customer ADC in the list of ADCs. This is by application and type.

Column	Type	Null	Description
application	INTEGER	NOT NULL	ER = 1, PR = 8, TP = 2 or TS = 4 (Expense Report, Purchase Request, Travel Plan or Time Sheet)
adc_type	INTEGER	NOT NULL	LineItem=1 or document = 2 (Line Item ADC or Document ADC)
control_type	VARCHAR (30)	NOT NULL	Content is one of: • Combobox • Checkbox • Field • Label • DropdownList • DateField • TimeField • Currency • HourField
label	VARCHAR (100)	NULL	The label that appears beside the control, unless the control type is Label. In this case this is the label that is the control.
tooltip	VARCHAR (255)	NULL	The Tooltip that appears above the control, when the cursor pauses above the control. Sherpa only.
mask	VARCHAR (255)	NULL	The Edit mask for the control.
visible	SMALLINT (5)	NOT NULL	Whether the ADC is visible. • 1 = visible • 0 = invisible
enabled	SMALLINT (5)	NOT NULL	Whether the ADC is enabled. • 1 = enabled • 0 = disabled
required	SMALLINT (5)	NOT NULL	Whether the ADC is required. • 1 = required • 0 = optional
standard_adc	SMALLINT (5)	NOT NULL	Whether the ADC is a standard ADC (for example purpose or

Column	Type	Null	Description
			vendor) or customer-added ADC.
			• 0 = custom
			• 1 = standard
base_bob	VARCHAR (255)	NULL	Not always required. For a combo box, this is the name of the Bob type that holds the content of the items that must be displayed in the drop down menu.
base_element	VARCHAR (255)	NULL	Not always required. For a combo box, this is the name of the element within the base Bob that holds the content of the items that must be displayed in the drop down menu.
new_element	VARCHAR (255)	NULL	The name of the new element that is created, when the ADC is saved. In some cases, such as an ADC type of Label, this is unused.
active_status	SMALLINT (5)	NOT NULL	Active/inactive status of the ADC.
			• 1 = active
			• 0 = inactive
change_timestamp	DATETIME	NULL	
adc_app_type	INTEGER	NOT NULL	Combination of application/adc_type, for application convenience.
			• ERDOC = 1
			• ERLI = 2
			• TPDOC = 3
			• TPLI = 4
			• TSDOC = 5
			• TSLI = 6
			• PRDOC = 7
			• PRLI = 8
assoc_bob_type	INTEGER	NULL	Used as the associated Bob for the ADC, really just the bob type of the underlying ADC

Column	Type	Null	Description
			type. Only used if control_type = Combobox or DropdownList
gui_control_id	INTEGER	NULL	If this has a non-null ID, a custom ADC must not be generated. Used for obtaining the underlying GUIControl to alter sequence and tab order. StandardADC must be 1.
gui_label_id	INTEGER	NULL	If guiControlId has a non-null ID, this has the associated Label GUI Control Id. Used for obtaining the underlying GUIControl to alter sequence. StandardADC must be 1 and guiControlId must be non-null.
chooser_button_callback	VARCHAR (255)	NULL	The fully qualified name of the callback associated with the chooser button
chooser_event_data	VARCHAR (255)	NULL	The event data associated with the chooser button settings
bob_set_name	VARCHAR (255)	NULL	The Bob set name associated with this ADC
xm_release_id	INTEGER	NOT NULL	The version of XM when the data entry was first available.

Table 752: Keys

Key Name	Key Type	Keys
PK422	Primary Key	adc_id

Table 753: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_xm_release	aldt_adc_defn	1	xm_release_id

aldt_gce_app_to_grid_mapping

This table is used by the Grid Column Editor GUI to associate grids used in Extensity with the application in which they appear. This contains approximately 15 rows.

Table 754: Attributes

Column	Type	Null	Description
gce_atgm_id	INTEGER	NOT NULL	
gce_atgm_app_id	INTEGER	NOT NULL	Id of the application in which this grid appears. The allowable values are those defined in largesoft.sys.AppInfo.java
gce_atgm_grid_id	INTEGER	NOT NULL	Id of the grid. Corresponds to the alct_control_defn.control_defn_id.
gce_atgm_grid_name	VARCHAR (255)	NOT NULL	Descriptive name for this grid
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 755: Keys

Key Name	Key Type	Keys
PK468	Primary Key	gce_atgm_id

Table 756: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

aldt_gce_grid_column_defn

This table is used by the Grid Column Editor to store the changes to columns specified by the user. This contains at most as many rows as the columns listed in the alct_column_settings table (currently about 1240).

Table 757: Attributes

Column	Type	Null	Description
gce_grid_column_defn_id	INTEGER	NOT NULL	
gce_grid_id	INTEGER	NOT NULL	Id of the grid in which this column appears. Corresponds to the alct.control_defn.control_defn_id.
gce_column_settings_id	INTEGER	NULL	Column settings id of the modified column. Corresponds to alct_column_settings.column_settings_id. A null value indicates a column that is

Column	Type	Null	Description
			added within the GCE (as opposed to a column that is defined as core data).
gce_column_order	INTEGER	NOT NULL	The display order of the column in the grid that is edited. Corresponds to alct_column_settings.column_order
gce_column_visible	SMALLINT (5)	NOT NULL	Indicates whether the column is visible in the grid. Contains 1- Yes, or 0 - No as options. Corresponds to the **Visible** checkbox on the GCE.
gce_column_name	VARCHAR (255)	NULL	The Internal Name for this column. Corresponds to alct_column_settings.column_name
gce_element_name	VARCHAR (255)	NULL	The Bob element displayed in this column. Corresponds to alct_column_settings.bob_element_name
gce_length	INTEGER	NULL	Width of this column in the grid. Corresponds to alct_column_settings.length.
gce_alignment	CHAR (1)	NULL	The alignment of this column. Corresponds to alct_column_settings.alignment. Contains: • L - Left • C - Center • R - Right
gce_date_format	CHAR (1)	NULL	The date format of this column. Corresponds to alct_column_settings.date_format. Contains: • S - Short • M - Medium • L - Long • F - Full
gce_time_format	CHAR (1)	NULL	The date format for this column. Corresponds to alct_column_settings.date_format. Contains: • S - Short • M - Medium • L - Long • F - Full

Column	Type	Null	Description
gce_display_string	VARCHAR (255)	NULL	The string displayed in the header for this column. Corresponds to alct_header_footer_settings.display_string
gce_image_name	VARCHAR (100)	NULL	The image displayed in the header for this column. Corresponds to alct_header_footer_settings.image_name
gce_tooltip_text	VARCHAR (100)	NULL	The tooltip displayed when the mouse hovers over the header of this column. Corresponds to alct_header_footer_settings.tooltip_text.
active_status	SMALLINT (5)	NULL	
change_timestamp	DATETIME	NULL	

Table 758: Keys

Key Name	Key Type	Keys
PK470	Primary Key	gce_grid_column_defn_id

Table 759: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

aldt_html_grid_column_defn

This contains the grid columns for the HTML Grid Column Editor.

Table 760: Attributes

Column	Type	Null	Description
html_grid_column_defn_id	INTEGER	NOT NULL	UID (Primary key)
custom	SMALLINT (5)	NOT NULL	Whether the column is added as a customization
sequence	INTEGER	NOT NULL	The order of columns in the grid

Column	Type	Null	Description
column_type	INTEGER	NOT NULL	The column type: • 0=Element • 1=Image • 2-JSP
label	VARCHAR (255)	NULL	The label at the top of the column
column_name	VARCHAR (255)	NULL	The sort name (if blank this is defaulted to element_name)
element_name	VARCHAR (255)	NULL	The element or bean property to display (only for 'Element' columns)
element_converter	VARCHAR (255)	NULL	The converter for when element_name is a date, money, and so on
value_visible_test	VARCHAR (255)	NULL	JSTL logic to control whether the cell value or image is visible
image_url	VARCHAR (255)	NULL	The image to display when value_visible_test is true (only for 'Image' columns)
image_title	VARCHAR (255)	NULL	The tooltip of the image (only for 'Image' columns)
jsp_column_name	VARCHAR (255)	NULL	The tooltip of the image (only for 'Image' columns)
alignment	CHAR (1)	NOT NULL	Whether data is justified: • Left (L) • Right (R) • Center (C)
visible	SMALLINT (5)	NOT NULL	Whether the column is visible
visible_test	VARCHAR (510)	NULL	Additional JSTL logic to control column visibility
hide_if_empty	SMALLINT (5)	NOT NULL	Whether to save space by hiding columns when all cells are empty
footer_value	VARCHAR (510)	NULL	A JSTL expression or resource key to display at the bottom of the column

Column	Type	Null	Description
footer_converter	VARCHAR (255)	NULL	The converter for when footer_value is a date, money, and so on
active_status	SMALLINT (5)	NOT NULL	The active status (not really used)
change_timestamp	DATETIME	NULL	The change timestamp (not used)
html_grid_defn_id	INTEGER	NOT NULL	The parent (grid) uid
mobile_first_level	SMALLINT (5)	NOT NULL	Column is first level on mobile

Table 761: Keys

Key Name	Key Type	Keys
PK538	Primary Key	html_grid_column_defn_id

Table 762: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aldt_html_grid_defn	aldt_html_grid_column_defn	1	html_grid_defn_id

aldt_html_grid_defn

This contains the grids available for the HTML Grid Column Editor.

Table 763: Attributes

Column	Type	Null	Description
html_grid_defn_id	INTEGER	NOT NULL	UID (Primary key)
html_grid_defn_name	VARCHAR (255)	NOT NULL	The name of the grid (mainly displayed in GCE)
app_id_bit_field	INTEGER	NOT NULL	The apps that use the grid (GCE filters grids based on installed apps)
active_status	SMALLINT (5)	NOT NULL	The active status (not used)
change_timestamp	DATETIME	NULL	The change timestamp (not used)
bob_type	INTEGER	NOT NULL	The bob type of the grid (mainly displayed in GCE)

Table 764: Keys

Key Name	Key Type	Keys
PK537	Primary Key	html_grid_defn_id

Table 765: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	aldt_html_grid_defn	1	bus_obj_type_id
aldt_html_grid_defn	aldt_html_grid_col-umn_defn	1	html_grid_defn_id

aldt_new_bob_defn

This table describes bob types created for ADCs, which are maintained by the ADC Editor Tool.

Table 766: Attributes

Column	Type	Null	Description
new_bob_id	INTEGER	NOT NULL	Bob Id of the new Bob
bob_name	VARCHAR (255)	NOT NULL	Internal Name of the new Bob
display_name	VARCHAR (255)	NULL	Display Name
db_table_name	VARCHAR (255)	NULL	The database table name for the Bob's data.
display_name_ele-ment	VARCHAR (255)	NULL	The name of the element in which the Display Name is found
contains_user_rows	SMALLINT (5)	NOT NULL	True if user rows are present. • 1=true • 0=false
in_use	SMALLINT (5)	NOT NULL	True, if the generated Bob is in use. • 1=true • 0=false
cd_panel	SMALLINT (5)	NOT NULL	True, if a Corporate Data Panel is to be generated. • 1=true • 0=false

Column	Type	Null	Description
field_att_module_id	INTEGER	NULL	Attribute ID for the Field Attribute Module ID
application	SMALLINT (5)	NULL	• ER=1 • TR=2 • TS=4 • PR=8
active_status	SMALLINT (5)	NOT NULL	Active/inactive status of the Bob • 1=active • 0=inactive
change_timestamp	DATETIME	NULL	
db_key_col-umn_name	VARCHAR (255)	NULL	The name of the column in dbTableName that holds the BOb Id
auto_userid_element	SMALLINT (5)	NULL	True, if the UserId element should be generated. • 1=true • 0=false
auto_userid_column	VARCHAR (255)	NULL	The name of the column in dbTableName that holds the UserId
auto_active_element	SMALLINT (5)	NULL	True, if the activeStatus element should be generated. • 1=true • 0=false
auto_active_column	VARCHAR (255)	NULL	The name of the column in dbTableName that holds the ac-tiveStatus.
auto_timestamp_ele-ment	SMALLINT (5)	NULL	True, if the dateTimeStamp ele-ment must be generated. • 1=true • 0=false
auto_timestamp_col-umn	VARCHAR (255)	NULL	The name of the column in dbTableName that holds the dateTimeStamp.
callback_panel_ids	VARCHAR (255)	NULL	Contains a comma separated list of screen IDs of BR template pa-rameter panels. The application server adds this new bob type to

Column	Type	Null	Description
			the callback data for each of these panels.
instructions	LONG VARCHAR (18)	NULL	The instructions to display at the top of the generated HTML SAT corp data panel.
is_mru	SMALLINT (5)	NOT NULL	Whether the data type appears in drop-downs as MRU (such as Locations, Projects, and so on).
xm_release_id	INTEGER	NOT NULL	The version of XM when the data entry was first available.

Table 767: Keys

Key Name	Key Type	Keys
PK417	Primary Key	new_bob_id

Table 768: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aldt_new_bob_defn	aldt_new_bob_elements	1	new_bob_id

aldt_new_bob_elements

This table describes the elements in the new bob types created for ADCs, which aremaintained by the ADC Editor Tool.

Table 769: Attributes

Column	Type	Null	Description
new_bob_element_id	INTEGER	NOT NULL	bob id
element_name	VARCHAR (255)	NOT NULL	Internal Name of the new element
display_name	VARCHAR (255)	NULL	Display Name
elem_type	CHAR (10)	NOT NULL	Element type, (elem_type in almt_bob_elements)
shows_in_corp_data	SMALLINT (5)	NOT NULL	True, if the data of the element must be displayed in the Corporate Data panel. • 1=true • 0=false

Column	Type	Null	Description
control_type	CHAR (30)	NULL	Control type in corporate data panel
control_label	VARCHAR (30)	NULL	Label for the Control in the corporate data panel
editable	SMALLINT (5)	NOT NULL	True, if the data of the elemen is editable • 1=true • 0=false
mask	VARCHAR (50)	NULL	The mask for the edit field
db_column	VARCHAR (255)	NULL	The database column name for the element data
elem_order	SMALLINT (5)	NULL	The order of the element in the Bob
required_value	SMALLINT (5)	NULL	True if the user must give the value. • 1=true • 0=false
encrypted_storage	SMALLINT (5)	NULL	True, if the element's data is to be encrypted • 1=true • 0=false
active_status	SMALLINT (5)	NOT NULL	Active/inactive status of the Element • 1=active • 0=inactive
change_timestamp	DATETIME	NULL	
new_bob_id	INTEGER	NOT NULL	uid of the parent NewEditorBob
base_bob	VARCHAR (255)	NULL	Required for Chooser, Combobox, and Dropdownlist. This is the name of the Bob type that holds the content of the items to be shown i n the drop down menu
base_element	VARCHAR (255)	NULL	Required for Chooser, Combobox, and Dropdownlist. This is the name of the element within the base bob that holds the content of the times that must be displayed in the drop down menu
chooser_button_callback	VARCHAR (255)	NULL	The fully qualified name of the callback associated with the button in a Chooser

Column	Type	Null	Description
chooser_event_data	VARCHAR (255)	NULL	The event data associated with the button in the Chooser
bob_set_name	VARCHAR (255)	NULL	The bob set name associated with control_type for this Bob element.
assoc_bob_type	INTEGER	NULL	The bob type of base_bob. Required if the corp data panel control_type is ComboBox or Dropdownlist
type_of_bob_ref	INTEGER	NULL	Type of bob reference this new bob referring to
unique_scope	SMALLINT (5)	NULL	This column has the same meaning as unique_scope column in almt_bob_elements table.
show_in_table	SMALLINT (5)	NOT NULL	Whether to show the element as a table column on the generated HTML SAT corp data panel and chooser screen.
tooltip	VARCHAR (255)	NULL	The tooltip to display next to the element's field on the generated HTML SAT corp data panel.
xm_release_id	INTEGER	NOT NULL	The version of XM when the data entry was first available

Table 770: Keys

Key Name	Key Type	Keys
PK418	Primary Key	new_bob_element_id

Table 771: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aldt_new_bob_defn	aldt_new_bob_elements	1	new_bob_id
alco_xm_release	aldt_new_bob_elements	1	xm_release_id

aler_er_filter

Table 772: Attributes

Column	Type	Null	Description
user_er_filter_id	INTEGER	NOT NULL	
user_id	INTEGER	NOT NULL	User for whom filtering is applied
receipt_received	SMALLINT (5)	NULL	Value of receipt received to search for
receipt_received_operator	INTEGER	NULL	query operation--like, equals, and so on
change_timestamp	DATETIME	NULL	

Table 773: Keys

Key Name	Key Type	Keys
PK__ale15DA3E5D	Primary Key	user_er_filter_id
XIF1091r_filter	Inversion Entry	user_id

Table 774: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	aler_er_filter	1	user_id

aler_expense_line_adjustment

This table maintains a record of changes to the approved amount field of a line item. This allows the tracking software to determine how much to change user balances such as loss carried forward or pending adjustments.

Table 775: Attributes

Column	Type	Null	Description
adjustment_id	INTEGER	NOT NULL	
exp_line_item_id	INTEGER	NULL	Bob id of line item
sequence_number	INTEGER	NOT NULL	Index of change
change_timestamp	DATETIME	NULL	When change occurred

Column	Type	Null	Description
amount	NUMERIC (20)	NOT NULL	Positive or negative change in the approved amount
amount_id	INTEGER	NOT NULL	Currency id, this must be in user paid in currency; if correct
new_balance	NUMERIC (20)	NOT NULL	Result of change, difference between two new_balances is the amount a manager changed the approved amount
new_balance_id	INTEGER	NOT NULL	Currency id, in user paid in currency
adjuster_id	INTEGER	NULL	Who made the adjustment, normally a manager or an accountant

Table 776: Keys

Key Name	Key Type	Keys
PK__ale1B9317B3	Primary Key	adjustment_id
XIF1025ne_adjus	Inversion Entry	exp_line_item_id

Table 777: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_expense_line_item	aler_expense_line_adjustment	3	exp_line_item_id

aler_expense_line_item

Expense reports contain line items. For example that $25 is spent on 7/4/97 for a taxi.

Table 778: Attributes

Column	Type	Null	Description
exp_line_item_id	INTEGER	NOT NULL	bob id of line item
parent_id	INTEGER	NULL	bob id of expense report that contains this line item, or the parent line item that this line is an itemization for.
payment_type_id	INTEGER	NULL	bob id of the payment type
expense_type_id	INTEGER	NULL	bob id of the type of expense

Column	Type	Null	Description
vendor_id	INTEGER	NULL	bob id of the merchant
currency_fmt_defn_id	INTEGER	NULL	bob id of the currency the item is paid in
cc_transaction_id	INTEGER	NULL	FK - if this is a credit card transaction, this is id of the transaction
cct_reference	VARCHAR (255)	NULL	If a credit card transaction, this is the reference number
expense_item_date	DATETIME	NULL	The date the when expense is incurred
expense_description	VARCHAR (255)	NULL	Room for additional description of the expense
erli_amt_paid_id	INTEGER	NULL	bob id of base currency
erli_amt_paid	NUMERIC (20)	NULL	The amount actually paid
erli_native_amt_id	INTEGER	NULL	bob id of currency for actual expense
erli_native_amt	NUMERIC (20)	NULL	The amount specified by the user, in native currency
purpose_id	INTEGER	NULL	bob id of line specific purpose
odometer_start	INTEGER	NULL	For mileage expense type - the odometer starting point
odometer_end	INTEGER	NULL	For mileage expense type - the odometer ending point
miles	INTEGER	NULL	For mileage expense type -- The miles traveled
reimburs_rate	FLOAT (8)	NULL	Reimbursement rate for mileage, for example $1.00 per mile
erli_exch_rate	NUMERIC (26)	NULL	Currency exchange rate.
exp_item_note	CHAR (5)	NULL	Any general note about the line item.
item_gl_code	CHAR (20)	NULL	G/L (General Ledger) code for this expense.
erli_amt_approv_id	INTEGER	NULL	bob id of currency for approved amount
erli_amt_approv	NUMERIC (20)	NULL	Amount that is approved for reimbursement
item_overridden	SMALLINT (5)	NULL	
has_receipt	SMALLINT (5)	NULL	Is there a reciept for this expense (Boolean)

Column	Type	Null	Description
receipt_checked	SMALLINT (5)	NULL	Has manager approved the receipt?
is_approved	SMALLINT (5)	NULL	True if the expense line item is approved for payment.
tr_number	VARCHAR (255)	NULL	Travel plan number
location_id	INTEGER	NULL	Primary key (a Bob Id).
chg_allocation_option	SMALLINT (5)	NULL	
chg_balancing_option	SMALLINT (5)	NULL	
is_personal	SMALLINT (5)	NULL	Is the expense personal?
is_itemized	SMALLINT (5)	NULL	Does this line have child lines (itemizations)?
is_itemization	SMALLINT (5)	NULL	Is this line an itemization of a parent line
has_notes	SMALLINT (5)	NULL	Does this line have notes?
use_euro	SMALLINT (5)	NULL	
doc_based_allocation	SMALLINT (5)	NULL	
perdiem_amount_id	INTEGER	NULL	
perdiem_amount	NUMERIC (20)	NULL	
hh_transaction_id	INTEGER	NULL	bob id
recurring_id	INTEGER	NULL	id that associates a recurring expense
recurring_count	INTEGER	NULL	number of times expense is repeated
exch_rate_default	NUMERIC (26)	NULL	default foreign exchange rate
expense_account_id	INTEGER	NULL	BOb ID primary key.
vat_account_id	INTEGER	NULL	BOb ID primary key.
td_amount_id	INTEGER	NULL	
td_amount	NUMERIC (20)	NULL	
ntd_amount_id	INTEGER	NULL	
ntd_amount	NUMERIC (20)	NULL	
vat_amount_id	INTEGER	NULL	
vat_amount	NUMERIC (20)	NULL	
approved_exchange_rate	NUMERIC (26)	NULL	Foreign exchange rate that approver can change when reviewing the expense report.

Column	Type	Null	Description
vat_amount_override	NUMERIC (20)	NULL	This amount overrides vat_amount. Can be set by reviewer when reviewing VAT amount.
vat_amount_override_id	INTEGER	NULL	ID of currency format for vat_amount_override. This is required for all money columns.
vat_miles_override	INTEGER	NULL	This overrides miles. Can be set by the reviewer when reviewing VAT amount.
vat_guests_override	INTEGER	NULL	This overrides the number of guests. Guests are attached as child bobs of the line item. Can be set by the reviewer when reviewing the VAT amount.
expense_item_depart_date	DATETIME	NULL	
origin_airport	VARCHAR (4)	NULL	
dest_airport	VARCHAR (4)	NULL	
booking_agent	INTEGER	NULL	
ticket_status	INTEGER	NULL	
ticket_number	VARCHAR (50)	NULL	
car_rental_agreement	VARCHAR (50)	NULL	
airline_class_of_service	INTEGER	NULL	
car_class_of_service	INTEGER	NULL	
hotel_class_of_service	INTEGER	NULL	
is_vat_receipt	SMALLINT (5)	NULL	If receipt is a VAT or Non-VAT receipt
mileage_rate_id	INTEGER	NULL	
mileage_passenger_num	INTEGER	NULL	Specifies how many passengers are on the same rental vehicle.
is_incomplete	SMALLINT (5)	NOT NULL	
pst_amount	NUMERIC (20)	NULL	Amount of PST or QST.
pst_amount_id	INTEGER	NULL	Currency id for pst_amount.
pst_amount_override	NUMERIC (20)	NULL	If pst_amount is overridden by an auditor, the override amount is stored here.

Column	Type	Null	Description
pst_amount_over-ride_id	INTEGER	NULL	Currency id for pst_amount_over-ride
vat_unclaimed_amount	NUMERIC (20)	NULL	Amount of VAT or GST that is not claimed.
vat_un-claimed_amount_id	INTEGER	NULL	Currency id for vat_un-claimed_amount.
pst_unclaimed_amount	NUMERIC (20)	NULL	Amount of PST or QST that is not claimed.
pst_un-claimed_amount_id	INTEGER	NULL	Currency id for pst_un-claimed_amount.
guest_count	INTEGER	NULL	line item total guest count
flex_field_string_1	VARCHAR (255)	NULL	Flex Field in String type
flex_field_string_2	VARCHAR (255)	NULL	Flex Field in String type
flex_field_string_3	VARCHAR (255)	NULL	Flex Field in String type
flex_field_string_4	VARCHAR (255)	NULL	Flex Field in String type
flex_field_integer_1	INTEGER	NULL	Flex Field in Integer type
flex_field_integer_2	INTEGER	NULL	Flex Field in Integer type
flex_field_amount_1	NUMERIC (20)	NULL	Flex Field for Currency
flex_field_amount_1_id	INTEGER	NULL	Flex Field for Currency id
flex_field_amount_2	NUMERIC (20)	NULL	Flex Field for Currency
flex_field_amount_2_id	INTEGER	NULL	Flex Field for Currency Id
flex_field_date_1	DATETIME	NULL	Flex Field in DateTime type
flex_field_date_2	DATETIME	NULL	Flex Field in DateTime type
flex_field_ddlb_1_id	INTEGER	NULL	Flex Field for DDLB
flex_field_ddlb_2_id	INTEGER	NULL	Flex Field for DDLB
flex_field_ddlb_3_id	INTEGER	NULL	Flex Field for DDLB
flex_field_ddlb_4_id	INTEGER	NULL	Flex Field for DDLB
flex_field_ddlb_5_id	INTEGER	NULL	Flex Field for DDLB
flex_field_location_1_id	INTEGER	NULL	Flex Field Location
is_quick_item	SMALLINT (5)	NULL	Whether the line item is created using mobile quick expense (mainly this is for tracking purposes)
quick_item_error	SMALLINT (5)	NULL	Whether the line item is saved with errors (such as missing re-

Column	Type	Null	Description
			quired fields or failed business rules) and needs to be re-saved using the full client prior to document submission
mileage_route_id	INTEGER	NULL	The id of mileage route
original_vat_account_id	INTEGER	NULL	BOb ID primary key.
commute_miles	DECIMAL (26)	NULL	The number of miles that the traveler commutes to work per day. This is typically subtracted from the total miles before multiplying by the mileage rate.
guest_entry_mode	SMALLINT (5)	NOT NULL	The guest entry mode (Count, Guests, or Both)
guest_amounts_equal	SMALLINT (5)	NOT NULL	Whether the line item amount is equally split across guests

Table 779: Keys

Key Name	Key Type	Keys
PK__ale1D7B6025	Primary Key	exp_line_item_id
XIF1009ine_item	Inversion Entry	location_id
XIF1057ine_item	Inversion Entry	hh_transaction_id
XIF1124ine_item	Inversion Entry	expense_account_id
XIF1125ine_item	Inversion Entry	vat_account_id
XIF678aine_item	Inversion Entry	cc_transaction_id
XIF679aine_item	Inversion Entry	payment_type_id
XIF716aine_item	Inversion Entry	expense_type_id
XIF720aine_item	Inversion Entry	vendor_id
XIF728aine_item	Inversion Entry	currency_fmt_defn_id
XIE1aleine_item	Inversion Entry	parent_id

Table 780: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_vat_account	aler_expense_line_item	3	vat_account_id
alco_expense_account	aler_expense_line_item	3	expense_account_id
alhh_transaction	aler_expense_line_item	3	hh_transaction_id
alco_location	aler_expense_line_item	3	location_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	aler_expense_line_item	3	currency_fmt_defn_id
alco_vendor	aler_expense_line_item	3	vendor_id
alco_expense_type	aler_expense_line_item	3	expense_type_id
alco_payment_type	aler_expense_line_item	3	payment_type_id
alcc_transaction	aler_expense_line_item	3	cc_transaction_id
alco_mileage_rate	aler_expense_line_item	3	mileage_rate_id
aler_flex_ddlb_6	aler_expense_line_item	3	flex_ddlb_id
aler_flex_ddlb_7	aler_expense_line_item	3	flex_ddlb_id
aler_flex_ddlb_8	aler_expense_line_item	3	flex_ddlb_id
aler_flex_ddlb_9	aler_expense_line_item	3	flex_ddlb_id
aler_flex_ddlb_10	aler_expense_line_item	3	flex_ddlb_id
alco_mileage_route	aler_expense_line_item	3	mileage_route_id
alco_vat_account	aler_expense_line_item	3	vat_account_id
aler_expense_line_item	aler_expense_line_adjustment	3	exp_line_item_id
aler_expense_line_item	alpd_perdiem_line_data	1	exp_line_item_id
aler_expense_line_item	aler_overage_allocation	1	exp_line_item_id
aler_expense_line_item	aler_level3_attachment	1	exp_line_item_id

aler_expense_report

Each record in this table represents one expense report.

Table 781: Attributes

Column	Type	Null	Description
exp_rep_data_id	INTEGER	NOT NULL	PK
user_id	INTEGER	NULL	FK -- The user / owner of the document.
cash_adv_amount_id	INTEGER	NULL	CFK
cash_adv_amount	NUMERIC (20)	NULL	The amount advanced to the employee
company_charges_id	INTEGER	NULL	CFK

Column	Type	Null	Description
company_charges	NUMERIC (20)	NULL	
amount_due_emp_id	INTEGER	NULL	CFK
amount_due_emp	NUMERIC (20)	NULL	The amount that is due the employee. This is the Total minus company paid, minus cash advances, and minus unauthorized expenditures.
amount_due_co_id	INTEGER	NULL	CFK
amount_due_co	NUMERIC (20)	NULL	The amount that is due the company.
auth_amt_id	INTEGER	NULL	CFK
auth_amt	NUMERIC (20)	NULL	The authorized amount.
total_expense_id	INTEGER	NULL	CFK
total_expense	NUMERIC (20)	NULL	The total expense of the report.
exp_rep_date_created	DATETIME	NULL	The date when the expense report is created.
exp_rep_date_filed	DATETIME	NULL	The date when the expense report is filed (no longer in creation). Not yet implemented.
er_date_from	DATETIME	NULL	The first day, the first expense.
er_date_to	DATETIME	NULL	The last day, the last expense.
show_currency	SMALLINT (5)	NULL	
show_bill_to	SMALLINT (5)	NULL	
separate_bill	SMALLINT (5)	NULL	
per_diem	CHAR (6)	NULL	
doc_status	INTEGER	NULL	The work flow status of the document
exp_rep_is_approved	CHAR (6)	NULL	Boolean. Is the expense report approved?
er_paid_on	DATETIME	NULL	The date when the ER is paid
er_amt_paid	NUMERIC (20)	NULL	The amount that is paid
er_amt_paid_id	INTEGER	NULL	CFK for the er_amt_paid field [***Edward, does this work?]
er_payment_number	VARCHAR (255)	NULL	Usually a check number
exp_rep_title	VARCHAR (255)	NULL	The title of the ER
envelope_id	VARCHAR (255)	NULL	

Column	Type	Null	Description
purpose_id	INTEGER	NULL	PK
exp_emp_dept	VARCHAR (255)	NULL	
exp_emp_company	VARCHAR (255)	NULL	
applied_lcf_id	INTEGER	NULL	
applied_lcf	NUMERIC (20)	NULL	
applied_adj_id	INTEGER	NULL	
applied_adj	NUMERIC (20)	NULL	
corp_charge_total_id	INTEGER	NULL	
corp_charge_total	NUMERIC (20)	NULL	
remaining_lcf_id	INTEGER	NULL	
remaining_lcf	NUMERIC (20)	NULL	
corp_charge_date	DATETIME	NULL	
corp_charge_amt_paid_id	INTEGER	NULL	
corp_charge_amt_paid	NUMERIC (20)	NULL	
exp_note	VARCHAR (5)	NULL	Obsolete column left here for backward compatibility. All document notes are added to new table alco_note_entry
chg_allocation_option	SMALLINT (5)	NULL	
chg_balancing_option	SMALLINT (5)	NULL	
corp_card_type	SMALLINT (5)	NULL	alwf_appl_parameter IBCPType is copied here to allow correct calculation of totals in case ibcp type changes. These can be values: • 0 is IBIP (individual bill, individual pay) • 1: IBCP (individual bill, company pay) • 2: no company charge cards • 3: CBCP(company bill, company pay) for future use
business_model	SMALLINT (5)	NULL	copied from alwf_appl_parameter 'ERBusinessModel' param. Affects calculation of the expense report. These are the values: • 1 = CRP(create-review-pay), the Extensity default

Column	Type	Null	Description
			• 2 = CPR(create-pay-review)
			• 3 = CRPR(create-review-pay-review), uses external source of changes
company_pays_cards	NUMERIC (20)	NULL	
company_pays_cards_id	INTEGER	NULL	
generated_lcf_id	INTEGER	NULL	
generated_lcf	NUMERIC (20)	NULL	
receipt_received	DATETIME	NULL	Whether accountant has received the receipts associated with this er. • NULL - not received • 1 - received
date_approved	DATETIME	NULL	
payment_made	NUMERIC (20)	NULL	
payment_made_id	INTEGER	NULL	
receipt_packet_expected	SMALLINT (5)	NULL	Indicates if the user must submit the receipt packet for this expense report. • 0 = The receipt packet is not required • 1 = the receipt packet is required
receipt_email_deadline_date	DATETIME	NULL	The date by which the receipt packet verifier must receive the receipt packet from the user submitting this expense report to avoid an e-mail remainder to the owner of the expense report
receipt_hitlist_deadline_date	DATETIME	NULL	The date by which the receipt packet verifier must receive the receipt packet from the user submitting this expense report - to avoid the user being added to the hit list.
flex_field_string_1	VARCHAR (255)	NULL	Flex Field in String type
flex_field_string_2	VARCHAR (255)	NULL	Flex Field in String type
flex_field_string_3	VARCHAR (255)	NULL	Flex Field in String type
flex_field_string_4	VARCHAR (255)	NULL	Flex Field in String type
flex_field_integer_1	INTEGER	NULL	Flex Field in Integer type

Column	Type	Null	Description
flex_field_integer_2	INTEGER	NULL	Flex Field in Integer type
flex_field_date_1	DATETIME	NULL	Flex Field in DateTime type
flex_field_date_2	DATETIME	NULL	Flex Field in DateTime type
flex_field_amount_1	NUMERIC (20)	NULL	Flex Field for Currency
flex_field_amount_2	NUMERIC (20)	NULL	Flex Field for Currency
flex_field_amount_1_id	INTEGER	NULL	Flex Field for Currency id
flex_field_amount_2_id	INTEGER	NULL	Flex Field for Currency Id
flex_field_ddlb_2_id	INTEGER	NULL	Flex Field for DDLB
flex_field_ddlb_1_id	INTEGER	NULL	Flex Field for DDLB
flex_field_ddlb_3_id	INTEGER	NULL	Flex Field for DDLB
flex_field_ddlb_4_id	INTEGER	NULL	Flex Field for DDLB
flex_field_ddlb_5_id	INTEGER	NULL	Flex Field DDLB
flex_field_location_1_id	INTEGER	NULL	Flex Field Location
create_location_id	INTEGER	NULL	The bob id of the location where the expense report is created.

Table 782: Keys

Key Name	Key Type	Keys
PK__ale1F63A897	Primary Key	exp_rep_data_id
XIF690ae_report	Inversion Entry	user_id
XIF756ae_report	Inversion Entry	purpose_id
er_env_idx	Inversion Entry	envelope_id

Table 783: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_purpose	aler_expense_report	3	purpose_id
alco_user	aler_expense_report	3	user_id
aler_flex_ddlb_2	aler_expense_report	3	flex_ddlb_id
aler_flex_ddlb_1	aler_expense_report	3	flex_ddlb_id
aler_flex_ddlb_3	aler_expense_report	3	flex_ddlb_id
aler_flex_ddlb_4	aler_expense_report	3	flex_ddlb_id
aler_flex_ddlb_5	aler_expense_report	3	flex_ddlb_id

aler_flex_ddlb_1

The tables alco_field_ddlb_1 to alco_field_ddlb_5 can be used to define customized corporate data for expense report documents.

Table 784: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Code
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
user_id	INTEGER	NULL	Flex Field User

Table 785: Keys

Key Name	Key Type	Keys
PK501	Primary Key	flex_ddlb_id

Table 786: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_1	aler_expense_report	3	flex_ddlb_id

aler_flex_ddlb_10

The tables alco_field_ddlb_6 to alco_field_ddlb_10 can be used to define customized corporate data for the expense report line items.

Table 787: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Value
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Column	Type	Null	Description
user_id	INTEGER	NULL	Flex Field User

Table 788: Keys

Key Name	Key Type	Keys
PK501_5_4	Primary Key	flex_ddlb_id

Table 789: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_10	aler_expense_line_item	3	flex_ddlb_id

aler_flex_ddlb_2

The tables alco_field_ddlb_1 to alco_field_ddlb_5 can be used to define customized corporate data for the expense report documents.

Table 790: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Value
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
user_id	INTEGER	NULL	Flex Field User

Table 791: Keys

Key Name	Key Type	Keys
PK501_1	Primary Key	flex_ddlb_id

Table 792: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_2	aler_expense_report	3	flex_ddlb_id

aler_flex_ddlb_3

The tables alco_field_ddlb_1 to alco_field_ddlb_5 can be used to define customized corporate data for the expense report documents.

Table 793: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Value
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
user_id	INTEGER	NULL	Flex Field User

Table 794: Keys

Key Name	Key Type	Keys
PK501_2	Primary Key	flex_ddlb_id

Table 795: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_3	aler_expense_report	3	flex_ddlb_id

aler_flex_ddlb_4

The tables alco_field_ddlb_1 to alco_field_ddlb_5 can be used to define customized corporate data for the expense report documents.

Table 796: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Value
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Column	Type	Null	Description
user_id	INTEGER	NULL	Flex Field User

Table 797: Keys

Key Name	Key Type	Keys
PK501_3	Primary Key	flex_ddlb_id

Table 798: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_4	aler_expense_report	3	flex_ddlb_id

aler_flex_ddlb_5

The tables alco_field_ddlb_1 to alco_field_ddlb_5 can be used to define customized corporate data for the expense report documents.

Table 799: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Value
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
user_id	INTEGER	NULL	Flex Field User

Table 800: Keys

Key Name	Key Type	Keys
PK501_4	Primary Key	flex_ddlb_id

Table 801: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_5	aler_expense_report	3	flex_ddlb_id

aler_flex_ddlb_6

The tables alco_field_ddlb_6 to alco_field_ddlb_10 can be used to define customized corporate data for the expense report line items.

Table 802: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Value
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
user_id	INTEGER	NULL	Flex Field User

Table 803: Keys

Key Name	Key Type	Keys
PK501_5	Primary Key	flex_ddlb_id

Table 804: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_6	aler_expense_line_item	3	flex_ddlb_id

aler_flex_ddlb_7

The tables alco_field_ddlb_6 to alco_field_ddlb_10 can be used to define customized corporate data for the expense report line items.

Table 805: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Value
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Column	Type	Null	Description
user_id	INTEGER	NULL	Flex Field User

Table 806: Keys

Key Name	Key Type	Keys
PK501_5_1	Primary Key	flex_ddlb_id

Table 807: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_7	aler_expense_line_item	3	flex_ddlb_id

aler_flex_ddlb_8

The tables alco_field_ddlb_6 to alco_field_ddlb_10 can be used to define customized corporate data for the expense report line items.

Table 808: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Value
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
user_id	INTEGER	NULL	Flex Field User

Table 809: Keys

Key Name	Key Type	Keys
PK501_5_2	Primary Key	flex_ddlb_id

Table 810: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_8	aler_expense_line_item	3	flex_ddlb_id

aler_flex_ddlb_9

The tables alco_field_ddlb_6 to alco_field_ddlb_10 can be used to define customized corporate data for the expense report line items.

Table 811: Attributes

Column	Type	Null	Description
flex_ddlb_id	INTEGER	NOT NULL	Flex Field DDLB
flex_ddlb_code	VARCHAR (255)	NULL	Flex Field Code
flex_ddlb_value	VARCHAR (255)	NULL	Flex Field Value
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
user_id	INTEGER	NULL	Flex Field User

Table 812: Keys

Key Name	Key Type	Keys
PK501_5_3	Primary Key	flex_ddlb_id

Table 813: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_flex_ddlb_9	aler_expense_line_item	3	flex_ddlb_id

aler_level3_attachment

This table describes an attachment of level 3 data to a line item. A record exists in this table for every itemization corresponding to a record in alcc_level3_detail.

Table 814: Attributes

Column	Type	Null	Description
level3_attachment_id	INTEGER	NOT NULL	
cc_level3_detail_id	INTEGER	NOT NULL	Foreign key to alcc_level3_detail.
exp_line_item_id	INTEGER	NOT NULL	Bob id of line item.
level3_warning	INTEGER	NOT NULL	Boolean. If 1, indicates that the mapping of the level3 code to an expense type is ambiguous. If set to 1, the attachment logic forces

Column	Type	Null	Description
			the user to select an expense type and reset this to 0.

Table 815: Keys

Key Name	Key Type	Keys
PK479	Primary Key	level3_attachment_id
l3_line_item_idx	Alternate Key	exp_line_item_id
l3_detail_idx	Alternate Key	cc_level3_detail_id

Table 816: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alcc_level3_detail	aler_level3_attachment	1	cc_level3_detail_id
aler_expense_line_item	aler_level3_attachment	1	exp_line_item_id

aler_line_allocation

Each record in this table represents money that is spent. This is usually allocated to a cost-center, but can instead be allocated to a project number. Every expense line item has one or more allocation records - even if the user does not explicitly do a multiple-allocation or itemization. This table holds allocations for regular expense report line items.

Table 817: Attributes

Column	Type	Null	Description
line_allocation_id	INTEGER	NOT NULL	id
exp_line_item_id	INTEGER	NOT NULL	Identifies the line item with which this allocation is associated
percent_allotted	NUMERIC (26)	NULL	Usually 100%, unless a multiple allocation is specified.
base_amount_id	INTEGER	NULL	Identifies the currency
base_amount	NUMERIC (20)	NULL	The amount allocated in base currency
native_amount_id	INTEGER	NULL	Identifies currency for the actual expense made
native_amount	NUMERIC (20)	NULL	The amount allocated, in native currency

Column	Type	Null	Description
is_approved	SMALLINT (5)	NULL	True if the amount is approved
cost_center_id	INTEGER	NULL	Identifies the cost center, if any
project_number_id	INTEGER	NULL	Identifies the project code, if any
is_billable	SMALLINT (5)	NULL	Is the allocation billable?

Table 818: Keys

Key Name	Key Type	Keys
PK__ale251C81ED	Primary Key	line_allocation_id
XIF656alocation	Inversion Entry	project_number_id
XIF726alocation	Inversion Entry	cost_center_id
XIE1alelocation	Inversion Entry	exp_line_item_id

Table 819: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_cost_center	aler_line_allocation	3	cost_center_id
alco_project_number	aler_line_allocation	3	project_number_id
aler_line_allocation	aler_overage_allocation	1	line_allocation_id

aler_overage

Table 820: Attributes

Column	Type	Null	Description
overage_id	INTEGER	NOT NULL	unique id (PK)
overage_date	DATETIME	NOT NULL	Date retrieved from line item(s)
total_actual_amount	NUMERIC (20)	NULL	Sum of actual expenses
total_actual_amount_id	INTEGER	NULL	
total_perdiem_amount	NUMERIC (20)	NULL	Sum of per diem amounts
to-tal_perdiem_amount_id	INTEGER	NULL	
parent_id	INTEGER	NOT NULL	Parent can be either the expense report or another aler_overage record

Column	Type	Null	Description
gl_account	VARCHAR (255)	NULL	GL Account for the overage
overage_group_id	INTEGER	NOT NULL	
total_personal_amount	NUMERIC (20)	NULL	
total_person-al_amount_id	INTEGER	NULL	

Table 821: Keys

Key Name	Key Type	Keys
PK307	Primary Key	overage_id

Table 822: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpd_overage_group	aler_overage	1	overage_group_id
aler_overage	aler_overage_lines	1	overage_id
aler_overage	aler_overage_allocation	1	overage_id

aler_overage_allocation

This is a per diem related table. This is used when overage allocations are generated from the PerdiemHandleOverage background process. This relates allocations to a line item to retrieve the gl_account. Normally this is done through the parent line item but the overage allocations parent is the overage record, not the line item. If a column is added to aler_line_allocation that stores the gl_account this table is not requried.

Table 823: Attributes

Column	Type	Null	Description
overage_allocation_id	INTEGER	NOT NULL	
overage_id	INTEGER	NOT NULL	unique id (PK)
line_allocation_id	INTEGER	NOT NULL	id
exp_line_item_id	INTEGER	NOT NULL	bob id of line item

Table 824: Keys

Key Name	Key Type	Keys
PK461	Primary Key	overage_allocation_id

Key Name	Key Type	Keys
IDX_OVERAGE_ID	Inversion Entry	overage_id

Table 825: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_overage	aler_overage_allocation	1	overage_id
aler_line_allocation	aler_overage_allocation	1	line_allocation_id
aler_expense_line_item	aler_overage_allocation	1	exp_line_item_id

aler_overage_lines

Table 826: Attributes

Column	Type	Null	Description
overage_lines_id	INTEGER	NOT NULL	unique id (PK)
overage_line_type	INTEGER	NOT NULL	• 1=per diem • 2=actual
perdiem_expense_type	INTEGER	NULL	per diem expense type
perdiem_amount	NUMERIC (20)	NULL	per diem amount
perdiem_amount_id	INTEGER	NULL	
exp_line_item_id	INTEGER	NULL	
overage_id	INTEGER	NOT NULL	unique id (PK)

Table 827: Keys

Key Name	Key Type	Keys
PK308	Primary Key	overage_lines_id
IDX_OVERAGE_LINES_OVER-AGE_ID	Inversion Entry	overage_id

Table 828: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_overage	aler_overage_lines	1	overage_id

aler_payment_interface

This table is used to track the expense reports that are uploaded to external Financial System for payment. Each row corresponds to an expense report that is uploaded.

Table 829: Attributes

Column	Type	Null	Description
payment_interface_id	INTEGER	NOT NULL	PK
upload_file_id	INTEGER	NULL	The upload_file_id value for the upload file that contains this ER.
work_item_id	INTEGER	NOT NULL	FK. The work_item_id value of the alwf_work_item table row coresponding to the ER.
upload_status	SMALLINT (5)	NULL	A value that tracks the progress of the ER while this is in the external financial system.
dt_last_status	DATETIME	NULL	The date/time stamp when the status is checked
document_search_key	CHAR (50)	NULL	A unique alphanumeric identifier assigned to the ER at upload time.

Table 830: Keys

Key Name	Key Type	Keys
PK__ale2704CA5F	Primary Key	payment_interface_id
XIF770anterface	Inversion Entry	work_item_id

Table 831: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_work_item	aler_payment_interface	1	work_item_id

aler_quick_itemization

This table stores the configuration information for the hotel, car rental and other wizards used on the thin client. This is a thin client-specific table.

Table 832: Attributes

Column	Type	Null	Description
quick_itemization_id	INTEGER	NOT NULL	
expense_type_id	INTEGER	NOT NULL	id
quick_itemization_type	SMALLINT (5)	NOT NULL	• 0=hotel • 1=car rental
active_status	SMALLINT (5)	NOT NULL	Whether this corporate data bob is active
change_timestamp	DATETIME	NULL	Timestamp for offline sync

Table 833: Keys

Key Name	Key Type	Keys
PK474	Primary Key	quick_itemization_id

Table 834: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_expense_type	aler_quick_itemization	1	expense_type_id
aler_quick_itemization	aler_quick_itemization_info	1	quick_itemization_id

aler_quick_itemization_info

This table defines the information for each field in aler_expense_type_wizard. For each record in aler_expense_type_wizard, many records of this table can exist . This is a thin client-specific table.

Table 835: Attributes

Column	Type	Null	Description
quick_itemization_info_id	INTEGER	NOT NULL	
quick_itemization_id	INTEGER	NOT NULL	
category	SMALLINT (5)	NULL	• 0=room rate • 1=room tax • 2=other

Column	Type	Null	Description
amount_label	VARCHAR (255)	NULL	Label that shows next to the amount field on the JSP page
expense_type_id	INTEGER	NOT NULL	id
show_field	SMALLINT (5)	NOT NULL	• 0=hide • 1=show

Table 836: Keys

Key Name	Key Type	Keys
PK476	Primary Key	quick_itemization_info_id

Table 837: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_quick_itemization	aler_quick_itemization_in-fo	1	quick_itemization_id
alco_expense_type	aler_quick_itemization_in-fo	1	expense_type_id

aler_review_policies

EBL Review policies are the business policies to be enforced by the customer. For example for an expense type, the line item limit it $10. When user violates this policy, an exception is created by the review policies business rule.

This table is administered using SAT corporate data panel "Review Policies" and is used by review policy validation business rule.

Table 838: Attributes

Column	Type	Null	Description
review_policy_id	INTEGER	NOT NULL	bob id for table row
review_type	INTEGER	NOT NULL	The review type defines the type of business policy. These are the possible values: • 0 - Line item limit • 1 - Document limit

Column	Type	Null	Description
			• 2 - Avg over period between start and end date of the report
			• 3 - Avg over days expense type is used
			• 4 - Avg over period between first and last usage of expense
			• 5 - Line item limit multiplied by number of guests
			• 6 - Daily limit
amount	NUMERIC (20)	NOT NULL	The review policy limit amount.
amount_id	INTEGER	NULL	Currency id for amount
change_timestamp	DATETIME	NULL	
rule_title	VARCHAR (255)	NULL	The business rule title for violation that is created when the review policy is violated.
rule_policy	LONG VARCHAR (18)	NULL	The business rule policy message for violation that is created when the review policy is violated.
rule_interact_message	VARCHAR (510)	NULL	The business rule interactive message for violation that is created when the review policy is violated.
rule_report_message	VARCHAR (510)	NULL	The business rule report message for violation that is created when the review policy is violated.
rule_severity	INTEGER	NULL	The business rule severity. The possible values are: • 0 - Invalid • 1 - Explanation • 2 - Warning
rule_notify	INTEGER	NULL	Rule notification type. These are the possible values: • 0 - None • 1 - Notify • 2 - Report • 3 - Both

Column	Type	Null	Description
locale	INTEGER	NULL	The locale of travel site that review policy should be applied against. These are the possible values: • 0 - Both • 1 - Domestic • 2 - Foreign
active_status	INTEGER	NULL	
expense_type_id	INTEGER	NOT NULL	id
routing_type_id	INTEGER	NULL	
currency_fmt_defn_id	INTEGER	NOT NULL	PK

Table 839: Keys

Key Name	Key Type	Keys
PK1	Primary Key	review_policy_id

aler_upload_files

This table is used to track the upload Interface files that are generated and sent to the external financial system. Each row corresponds to one file.

Table 840: Attributes

Column	Type	Null	Description
upload_file_id	INTEGER	NOT NULL	PK
dt_upload	DATETIME	NULL	Datetime when the upload file is created (datetime when row is inserted in table)
upload_file_name	VARCHAR (255)	NOT NULL	
upload_tries	INTEGER	NULL	The number of times this file is transmitted to the Financial System

Table 841: Keys

Key Name	Key Type	Keys
PK__ale2AD55B43	Primary Key	upload_file_id

Table 842: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

aler_user_balance_history

This table is used to track changes to a user's loss carried forward or pending adjustments

Table 843: Attributes

Column	Type	Null	Description
user_bal_hist_id	INTEGER	NOT NULL	primary key
er_user_pref_id	INTEGER	NULL	PK
user_causing_change_id	INTEGER	NOT NULL	User id when a change occurred, can be a reviewing manager, or a document creator(when outstanding balances are applied against a submission)
history_sequence_number	INTEGER	NOT NULL	Orders the changes, this is tracked for pending adjustment and lcf separately
history_timestamp	DATETIME	NOT NULL	When change occurred
transaction_type_code	INTEGER	NOT NULL	• 10 - an lcf generating transaction (cash advance, company paid personal) • 20 - reviewer adjustment change • 30 - a payment made transaction (which reduces lcf) • 40 - an er submission is reconciled against an outstanding lcf or pending adj
lcf_change_amount	NUMERIC (20)	NULL	Positive or negative change to lcf
lcf_change_amount_id	INTEGER	NULL	Currency id in user paid currency
lcf_new_balance	NUMERIC (20)	NULL	Resulting amount of lcf or pa
lcf_new_balance_id	INTEGER	NULL	Currency id
pa_change_amount	NUMERIC (20)	NULL	Positive or negative change to pending adjustment
pa_change_amount_id	INTEGER	NULL	Currency id for pa_change_amount
pa_new_balance	NUMERIC (20)	NULL	New pending adjustment

Column	Type	Null	Description
pa_new_balance_id	INTEGER	NULL	Currency id for pa_new_balance
doc_tracking_id	VARCHAR (255)	NULL	Stores the document tracking number of the expense report which caused the change to the user balance
exp_rep_data_id	INTEGER	NULL	

Table 844: Keys

Key Name	Key Type	Keys
PK__ale2CBDA3B5	Primary Key	user_bal_hist_id
XIF1026ce_histo	Inversion Entry	er_user_pref_id

Table 845: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_user_preference	aler_user_balance_history	3	er_user_pref_id

aler_user_preference

This table contains the preferences that are specific to the Expense Reporter application.

Table 846: Attributes

Column	Type	Null	Description
user_id	INTEGER	NOT NULL	FK into alco_user table
er_user_pref_id	INTEGER	NOT NULL	PK
unfiled_days_thresh	INTEGER	NULL	not used
alert_on_br_violation	SMALLINT (5)	NULL	not used
display_doc_number	SMALLINT (5)	NULL	not used
display_hist_thresh	INTEGER	NULL	not used
wf_initial_view	INTEGER	NULL	not used
cost_center_id	INTEGER	NULL	v
lcf_total_id	INTEGER	NULL	
lcf_total	NUMERIC (20)	NULL	

Column	Type	Null	Description
pending_adj_total_id	INTEGER	NULL	
pending_adj_total	NUMERIC (20)	NULL	
cur_balance_hist_seq	INTEGER	NULL	
change_timestamp	DATETIME	NULL	
project_number_id	INTEGER	NULL	id

Table 847: Keys

Key Name	Key Type	Keys
PK__ale2EA5EC27	Primary Key	er_user_pref_id
XIF735aeference	Inversion Entry	user_id
XIF736aeference	Inversion Entry	cost_center_id

Table 848: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_cost_center	aler_user_preference	3	cost_center_id
alco_user	aler_user_preference	1	user_id
alco_project_number	aler_user_preference	3	project_number_id
aler_user_preference	aler_user_balance_history	3	er_user_pref_id

alhh_currency_type_mapping

This table maps currency types on a handheld device to currency types in an Extensity implementation. This is designed designed specifically to map currency types in the expense application that comes with Palm devices to Extensity currency types. This may or may not be suitable for applications on other devices.

Table 849: Attributes

Column	Type	Null	Description
hh_currency_type_map_id	INTEGER	NOT NULL	id
hh_currency_type	VARCHAR (255)	NOT NULL	The name of the currency type on the handheld device (for example "Australia"). This is not used to do

Column	Type	Null	Description
			any mapping and is included to make the table readable.
hh_curr_type_id	INTEGER	NOT NULL	The integer identification code of the currency type on the handheld device (a #define in the C source code of the Palm expense application). This code is used to do the mapping to an Extensity currency type.
currency_fmt_defn_id	INTEGER	NOT NULL	he Extensity currency type to which the handheld currency type maps. This is a foreign key into alco_currency_format.

Table 850: Keys

Key Name	Key Type	Keys
PK__alh3552E9B6	Primary Key	hh_currency_type_map_id

Table 851: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alhh_currency_type_mapping	1	currency_fmt_defn_id

alhh_device_description

This table is used to identify the handheld devices that can be input sources for Extensity data.

Table 852: Attributes

Column	Type	Null	Description
hh_device_id	INTEGER	NOT NULL	
hh_device_name	VARCHAR (255)	NOT NULL	The name of handheld device (for example "Palm PDA").
hh_device_active_status	SMALLINT (5)	NOT NULL	Whether this type of device is active. These are the possible values: • 0 (false, the device is not active) • 1 (true, the device is active)

Table 853: Keys

Key Name	Key Type	Keys
PK__alh373B3228	Primary Key	hh_device_id

Table 854: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alhh_device_description	alhh_expense_type_mapping	3	hh_device_id
alhh_device_description	alhh_transaction	3	hh_device_id

alhh_expense_type_mapping

This table maps the expense types on a handheld device to expense types in an Extensity implementation. This is designed specifically to map expense types in the expense application that comes with Palm devices to Extensity expense types. This is also used to map expense types for our WAP expense application. This may or may not be suitable for expense applications on other devices.

Table 855: Attributes

Column	Type	Null	Description
hh_exp_type_map_id	INTEGER	NOT NULL	
hh_expense_type	VARCHAR (255)	NOT NULL	The name of the expense type on the handheld device (for example "Airfare"). This is not used to do any mapping and is included to make the table readable.
hh_exp_type_id	INTEGER	NOT NULL	The integer identification code of the expense type on the handheld device (a #define in the C source code of the Palm expense application). This code is used to do the mapping to an Extensity expense type.
expense_type_id	INTEGER	NOT NULL	The Extensity expense type to which the handheld expense type maps. This is a foreign

Column	Type	Null	Description
			key into alco_expense_type.
hh_exp_type_warn	SMALLINT (5)	NOT NULL	A boolean value indicating whether the mapping from handheld to Extensity expense type is ambiguous. If this is ambiguous, the user is prompted to select an expense type.
			For example, "Meals" is an expense type on the Palm device that usually isn't an expense type in Extensity, and instead must be mapped to something such as "Breakfast", "Lunch", or "Dinner". This must be mapped to something in this table (usually "Dinner"), but by setting this column to true, the user is warned of the ambiguity and is prompted to select the appropriate expense type when they attach any transactions with this handheld expense type to an expense report.
			These are possible values for this column:
			• 0 (false)
			• 1 (true)
hh_device_id	INTEGER	NULL	The type of device associated with this mapping. Foreign key into alhh_device_description.

Table 856: Keys

Key Name	Key Type	Keys
PK__alh39237A9A	Primary Key	hh_exp_type_map_id

Table 857: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alhh_device_description	alhh_expense_type_mapping	3	hh_device_id
alco_expense_type	alhh_expense_type_mapping	1	expense_type_id
alhh_expense_type_mapping	alhh_transaction	1	hh_exp_type_map_id

alhh_payment_type_mapping

This table maps payment types on a handheld device to payment types in an Extensity implementation. This is designed specifically to map payment types in the expense application that comes with Palm devices to Extensity payment types. This may or may not be suitable for applications on other devices.

Table 858: Attributes

Column	Type	Null	Description
hh_pay_type_map_id	INTEGER	NOT NULL	
hh_payment_type	VARCHAR (255)	NOT NULL	The name of the payment type on the handheld device (for example "MasterCard"). This is not used to do any mapping and is included to make the table readable.
hh_pay_type_id	INTEGER	NOT NULL	The integer identification code of the payment type on the handheld device (a #define in the C source code of the Palm expense application). This code is what is used to do the mapping to an Extensity payment type.
payment_type_id	INTEGER	NOT NULL	The Extensity payment type to which the handheld payment type maps. This is a foreign key into alco_payment_type.

Table 859: Keys

Key Name	Key Type	Keys
PK__alh3B0BC30C	Primary Key	hh_pay_type_map_id

Table 860: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_payment_type	alhh_payment_type_mapping	1	payment_type_id

alhh_transaction

This table stores transactions that are imported from a handheld device.

Table 861: Attributes

Column	Type	Null	Description
hh_transaction_id	INTEGER	NOT NULL	bob id
user_id	INTEGER	NOT NULL	
hh_device_id	INTEGER	NULL	
hht_date	DATETIME	NOT NULL	date of transaction
hh_exp_type_map_id	INTEGER	NOT NULL	
hht_amount_id	INTEGER	NULL	
hht_amount	NUMERIC (20)	NOT NULL	
payment_type_id	INTEGER	NULL	PK
vendor_id	INTEGER	NULL	PK
location_id	INTEGER	NULL	Primary key (a Bob Id).
hht_attendees	VARCHAR (255)	NULL	attendees as listed on handheld device
hht_note	VARCHAR (255)	NULL	note on device
hht_document_id	INTEGER	NULL	copy of workflow document id like ER0000339
hht_import_timestamp	DATETIME	NULL	
hht_active_status	SMALLINT (5)	NOT NULL	asf
hht_miles	INTEGER	NULL	
hht_palm_internal_id	INTEGER	NULL	

Table 862: Keys

Key Name	Key Type	Keys
PK__alh3CF40B7E	Primary Key	hh_transaction_id
XIF1048nsaction	Inversion Entry	user_id
XIF1050nsaction	Inversion Entry	hh_exp_type_map_id
XIF1051nsaction	Inversion Entry	payment_type_id
XIF1052nsaction	Inversion Entry	vendor_id
XIF1053nsaction	Inversion Entry	location_id
XIF1136nsaction	Inversion Entry	hh_device_id

Table 863: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alhh_device_description	alhh_transaction	3	hh_device_id
alco_location	alhh_transaction	3	location_id
alco_vendor	alhh_transaction	3	vendor_id
alco_payment_type	alhh_transaction	3	payment_type_id
alhh_expense_type_mapping	alhh_transaction	1	hh_exp_type_map_id
alco_user	alhh_transaction	1	user_id
alhh_transaction	aler_expense_line_item	3	hh_transaction_id

alhh_user_preference

Table 864: Attributes

Column	Type	Null	Description
wap_user_pref_id	INTEGER	NOT NULL	
user_id	INTEGER	NOT NULL	Preferences for this user
inbox_sort_elem	VARCHAR (255)	NULL	Work item element name for sorting user inbox
review_sort_elem	VARCHAR (255)	NULL	Work item element to sort reviewer inbox

Table 865: Keys

Key Name	Key Type	Keys
PK__alh3EDC53F0	Primary Key	wap_user_pref_id
XIF1094eference	Inversion Entry	user_id

Table 866: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alhh_user_preference	1	user_id

alhr_interface_definition

This table is part of the HR interface definition for loading exchange rates.

Table 867: Attributes

Column	Type	Null	Description
hr_index	INTEGER	NOT NULL	The primary key for the view table. Keeps Bob creation ordering.
table_type	VARCHAR (255)	NOT NULL	The Bob type number we are defining, for example User is 30000.
element	VARCHAR (255)	NOT NULL	The element in the Bob that is configured. This can also contain other values as defined below.
map_type	VARCHAR (40)	NOT NULL	How this data is retrieved to populate the element, for example from a source table.
key_field	VARCHAR (6)	NULL	TRUE if this is the element to be used for Bob uniqueness. Also utilized for the join if the Bob is constructed from multiple source tables.
src_table	VARCHAR (255)	NULL	If element value is defaulted from a table, this is the name of the table.
src_field	VARCHAR (255)	NULL	If the element value is defaulted from a table, this is the field in that table. If the element is defaulted from an associated Bob, the ele-

Column	Type	Null	Description
			ment name in the source Bob is defined here.
update_allowed	VARCHAR (6)	NOT NULL	If this value is TRUE the value can change for Bobs that are already created. FALSE indicates changes in the source data are not updated in the Extensity table after initial creation.
bus_obj_type_id	INTEGER	NOT NULL	
key_element	VARCHAR (6)	NULL	
relate	VARCHAR (255)	NULL	

Table 868: Keys

Key Name	Key Type	Keys
PK__alh41B8C09B	Primary Key	hr_index

Table 869: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

almt_bob_elements

This table is one of the meta-data tables which stores meta-data of the object (information about the elements of an object) and object-database relation information. This is used for object-relational mapping during database operations and also to know the structure of the object (what elements/properties are defined for an object).

This table defines all the elements or fields that makes a business object (BOb) of a particular type (bob type) and the properties of the elements/fields.

Table 870: Attributes

Column	Type	Null	Description
bus_elem_defn_id	INTEGER	NOT NULL	primary key
type_of_bob_ref	INTEGER	NULL	This represents if this element is a business object of some other type. In database terms the analogy is foreign key. If this element is a Bob reference, this is the Bob type number for the type of Bob

Column	Type	Null	Description
			that can be referenced. Must be null for non-Bob reference types. If -1, that means that any Bob type can be referred to, in which case a second column in the database must be supplied to hold the Bob type number (same as with currencies).
bus_obj_type_id	INTEGER	NOT NULL	bob type associated with this element. FK to almt_bob_type.bus_obj_type_id
elem_order	SMALLINT (5)	NULL	Relative order of the element within the set of elements for this type. This number must be UNIQUE for a bob type. Exact number is not important, only the relative order. DO NOT repeat same elem_order for two elements for a bob type.
elem_name	VARCHAR (255)	NULL	Name of the Bob element.
use_in_equality	SMALLINT (5)	NULL	Set to 1 if this element must be used in Bob equality checks (generally only set to 1 for <persistent elements> those mapped to database columns).
prompt_when_unen-tered	CHAR (20)	NULL	Not used.
elem_type	CHAR (10)	NOT NULL	Data type of the element. This is one character. This is a list of characters and corresponding data type. • s - String • i - Integer • f - Float • d - date • b - BobRef (This represents the id of another bob) • B - BobRefs (TODO - doesn't really seem to be used) • c - currency • z - TimeStamp • g - Date (timezone independent) • h - Hour

Column	Type	Null	Description
			• k - Key
			• o - Object
			• x - Text
			• t - table (Vector, list, array) (TODO - Doesn't seem to be used)
			• L - Blob
			• D - bigdecimal
is_suppressed	SMALLINT (5)	NULL	Not used.
db_server	VARCHAR (255)	NULL	Not used.
db_name	VARCHAR (255)	NULL	Not used.
db_table	VARCHAR (255)	NULL	Database table to which this element is mapped.
db_column	VARCHAR (255)	NULL	Column within db_table to which this element is mapped. If null, this element is an <extension> element (the only way that base Bob objects can be extended - adding columns to base tables is not allowed).
unique_scope	SMALLINT (5)	NULL	Defines the scope of uniqueness for the bob element. This allows enforcement of uniqueness in code like the Sat These are the values: • 0 = no constraint • 1 = Unique values across all Bobs of this type • 2 = Unique values within the groups that the bob belongs to. This is only applicable for bob types that are mapped to groups, such as user, and corporate data
required_value	SMALLINT (5)	NULL	A value 1 means true. Indicates that the element value cannot be null or an empty string.
encrypted_storage	SMALLINT (5)	NULL	A value 1 indicates true. Indicates that the element value is stored in the table in an encrypted state. A value 0 indicates false.

Column	Type	Null	Description
sort_order	INTEGER	NULL	Designates the sort order for the element. Values are: Null - do not use in sort integer values specify the sort order, with the lowest value sorted first.
display_name	VARCHAR (255)	NULL	Display Name of this element (This could be a lacalized string). Used mainly in SAT.
xm_release_id	INTEGER	NOT NULL	The version of XM when the data entry was first available.

Table 871: Keys

Key Name	Key Type	Keys
PK__alm43A1090D	Primary Key	bus_elem_defn_id
XIF739aelements	Inversion Entry	bus_obj_type_id
XIE1almelements	Inversion Entry	elem_order

Table 872: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	almt_bob_elements	1	bus_obj_type_id
alco_xm_release	almt_bob_elements	1	xm_release_id

almt_bob_tables

This table is one of the meta-data tables which stores meta-data of the object (information about the elements of an object) and object-database relation information. This is used for object-relational mapping during database operations.

This table describes the database tables (and joins between tables where applicable) that make up bob types.

All tables are associated to bob type but there can be some internal bob types which are not associated to any table.

Table 873: Attributes

Column	Type	Null	Description
bus_obj_type_id	INTEGER	NOT NULL	This defines the bob type.

Column	Type	Null	Description
db_tablename	VARCHAR (255)	NOT NULL	If 'is_core' is 1, then this is the core table for the specified bob type. If 'is_core' is 0, then this is a table that has join for this bob type.
is_core	SMALLINT (5)	NOT NULL	Each type has only 1 core table, this is the main table for the type and the only table that is updated when a Bob of this type is updated.
allows_nulls	SMALLINT (5)	NOT NULL	Must be 0 in 5.x and beyond. 1 means that the join is an outer join and this is not supported anymore.
key_fld_name	VARCHAR (255)	NOT NULL	Specifies the name of the column to use when joining to this table.
alt_fld_name	VARCHAR (255)	NULL	If this is null, the key_fld_name in the table is used, to which this is joined.

Table 874: Keys

Key Name	Key Type	Keys
PK__alm4589517F	Primary Key	bus_obj_type_id, db_tablename

Table 875: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	almt_bob_tables	0	bus_obj_type_id

almt_bob_type

This table is one of the meta-data tables which stores meta-data of the object (information about an object) and object-database relation information. This is used for object-relational mapping during database operations and also to know the structure of the object (what elements/properties are defined for an object).

This table stores information about the type of business object (for example expenseType, expenseReport and so on) and any property associated with the type.

Table 876: Attributes

Column	Type	Null	Description
bus_obj_type_id	INTEGER	NOT NULL	Primary key. This stands for 'business object type id' or 'bob type id'. This UID specifies the type of a business object (BOb).
parent_type_id_list	VARCHAR (255)	NULL	This is a comma separated list of bob type ids for all parents of this type.
bob_name	VARCHAR (255)	NOT NULL	nName of the bob type. Can be thought of as a class name of this types of object even though this may not necessarily map to a real class name. This is a mandatory field.
class_name	VARCHAR (255)	NOT NULL	This is the name of the class which represents this bob type. Not all bob types have separate class. Such bob types have parent class largesoft.bob.BOb as their class. This class is parent of all business object classes. If some specific operations are required on a bob type, a separate class for that bob type is created. Otherwise all the basic operations on a bob is supported by the base class largesoft.bob.BOb.
display_name	VARCHAR (255)	NULL	This string is used to display the name of this bob type. This must be a pointer to a localized string.
key_column_name	VARCHAR (255)	NULL	This is used when this bob type is fetched as a child of some other bob type, for example fetching the document hierarchy, er_line_item bob type has er bob type as it's parent in parent_type_id_list and the column name in aler_expense_line_item table which relates a line item to it's parent is set in this field. This indicates the name of the database column, in the table for this bob type, to use when fetching this type as a child. This is required only if this bob type has one or more parents that is if parent_type_id _list is nonnull. If a parent bob type is specified and this column is left null, the id field of the parent bob type is supposed to be present as a column in this bob type, for example see alts_line_item and it's corresponding bob type record.

Column	Type	Null	Description
can_be_member	SMALLINT (5)	NULL	1 indicates that the bob type can be a member of a group of others as required
display_name_element	VARCHAR (255)	NULL	Name of the Bob element in this type whose value is used when a Bob is displayed in a graphical control (combo box, grid cell, text field, and so on).
business_process_class_name	VARCHAR (255)	NULL	This is the fully qualified class name of the admin business process associated with this bob type. Example: largesoft.admin.bp.UserBP
extends_bob_type	INTEGER	NULL	This is used for defining Bob inheritance.
contains_user_rows	SMALLINT (5)	NULL	This bob can be created by a user. Such bobs have an attribute, user_id which is non-null.
app_flags	INTEGER	NULL	Indicates that each bob in this bob type has an element that describes to which application that bob belongs. The value in this attribute indicates which apps bobs of this type can belong to, that is the union of all the individual bobs. A null value in this attribute indicates that a bob of this type is not restricted to an application, as far as individual bobs are concerned. Note that the column app_id_bit_field contains similar information, but not exactly the same. This is used to restrict bobs such as pr Vendor to pr when editing bobs in the SAT (for example, do not show prVendor bobs if pr not installed). Users of the app_flags attribute in this table must refer to app_id_bit_field and limit the range of applications accordingly. For now, bit 0 is er,bit 1 is tr,bit 2 is ts, bit3 is pr. These are described in the class largesoft.sys.AppInfo
permission_control	VARCHAR (18)	NULL	Obsolete column, which contains [None] currently, signifying nothing. this is left in to avoid having to edit files just before shipping, will be removed
xm_release_id	INTEGER	NOT NULL	The version of XM when the data entry was first available.

Table 877: Keys

Key Name	Key Type	Keys
PK__alm477199F1	Primary Key	bus_obj_type_id

Table 878: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_xm_release	almt_bob_type	1	xm_release_id
almt_bob_type	alat_corpdata_type	1	bus_obj_type_id
almt_bob_type	albr_instance	1	bus_obj_type_id
almt_bob_type	almt_bob_elements	1	bus_obj_type_id
almt_bob_type	almt_bob_tables	0	bus_obj_type_id
almt_bob_type	almt_bob_type_list_member	1	bus_obj_type_id
almt_bob_type	alwf_business_process	3	bus_obj_type_id
almt_bob_type	alpr_bean_request_mapper	3	bus_obj_type_id
almt_bob_type	alwf_work_item	3	bus_obj_type_id
almt_bob_type	alco_packet_cache	1	bus_obj_type_id
almt_bob_type	alco_user_notice_address	3	bus_obj_type_id
almt_bob_type	alco_external_bob_type	1	bus_obj_type_id
almt_bob_type	aldt_html_grid_defn	1	bus_obj_type_id

almt_bob_type_list_member

This table is used to create display lists of bob type in the user interface. Used primarily for per diem.

Table 879: Attributes

Column	Type	Null	Description
bob_type_list_member_id	INTEGER	NOT NULL	
bob_type_list_id	INTEGER	NOT NULL	An int to identify the list.
bus_obj_type_id	INTEGER	NOT NULL	bob type in the list.

Table 880: Keys

Key Name	Key Type	Keys
PK__alm4959E263	Primary Key	bob_type_list_member_id
XAK1almt_member	Alternate Key	bus_obj_type_id, bob_type_list_id

Table 881: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	almt_bob_type_list_member	1	bus_obj_type_id

almt_bobids

This table is used to ensure that the bob ids unique are in the system. This keeps the list of all the bob ids used in the system. If you create a new record, one record is inserted here with the bob id of the new record.

This is an optional feature which can be turned off using the application parameter. In post 5.0 versions, this must not be used as this is an extra overhead to the system and duplicate bob ids problems which used to haunt in pre 5.0 versions is solved.

Table 882: Attributes

Column	Type	Null	Description
bob_id	INTEGER	NOT NULL	This is the bob id of the bob used in the system. Here this is a primary key. So this ensures that a unique bob id is used in the system.
bob_type	INTEGER	NOT NULL	Type of bob. 0 when bob inserted by load tool, because bob type is not really known at database level
table_name	VARCHAR (255)	NULL	Name of the table where the bob with this bob_id is stored.
load_file	VARCHAR (255)	NULL	Text file where this bob is loaded from. If inserted by load tool, bob type is 0 for these bobs
load_file_line	INTEGER	NULL	The line number (position in the file) in the load file. Top line in file is 1 (to aid finding with editors)

Table 883: Keys

Key Name	Key Type	Keys
PK__alm4B422AD5	Primary Key	bob_id

Table 884: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

almt_duplicate_bob_info

Table 885: Attributes

Column	Type	Null	Description
bob_id	INTEGER	NOT NULL	
table_name	VARCHAR (255)	NOT NULL	
load_file	VARCHAR (255)	NOT NULL	
load_file_line	INTEGER	NOT NULL	

Table 886: Keys

Key Name	Key Type	Keys
PK599	Primary Key	bob_id, table_name
PK599	Alternate Key	bob_id, table_name

Table 887: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

almt_extension

This table is used to accommodate extra fields in a bob type which may be required to extend the base functionality for an implementation. This provides a way to extend bob types without a corresponding schema change.

Table 888: Attributes

Column	Type	Null	Description
extension_id	INTEGER	NULL	
name	VARCHAR (255)	NOT NULL	
type	INTEGER	NOT NULL	
value_int	INTEGER	NULL	
value_float	FLOAT (8)	NULL	
value_date	DATETIME	NULL	
value_string	VARCHAR (510)	NULL	
value_hours	NUMERIC (14)	NULL	
value_currency_id	INTEGER	NULL	
value_currency	NUMERIC (20)	NULL	
value_bobref_type	INTEGER	NULL	
value_bobref	INTEGER	NULL	
parent_id	INTEGER	NOT NULL	

Table 889: Keys

Key Name	Key Type	Keys
XIE1almxtension	Inversion Entry	parent_id
PK173PK173	Primary Key	

Table 890: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

almt_load_info

Table 891: Attributes

Column	Type	Null	Description
table_name	VARCHAR (255)	NOT NULL	
absolute_file_path	VARCHAR (255)	NOT NULL	
last_modified_time_millis	NUMERIC (19)	NOT NULL	

Table 892: Keys

Key Name	Key Type	Keys
PK600	Primary Key	table_name, absolute_file_path

Table 893: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

almt_maxbobid

This table is used for representing the next available bob id (See DBStatic for information on the ranges of bob ids.

Table 894: Attributes

Column	Type	Null	Description
id_type	INTEGER	NOT NULL	These are the two possible values: • 1 - offline • 2 - online
max_id	INTEGER	NOT NULL	Next available bob id for id_type
lock_me	SMALLINT (5)	NULL	Intended to be used to lock the row before an update. Not used as of now, as the concurrency issue is handled differently.

Table 895: Keys

Key Name	Key Type	Keys
PK__alm4F12BBB9	Primary Key	id_type

Table 896: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alob_er_item_link

This table contains creation relationship between an online booking line and an ER line item.

Table 897: Attributes

Column	Type	Null	Description
er_item_link_id	INTEGER	NOT NULL	Bob id
exp_line_item_id	INTEGER	NOT NULL	Bob id of the er line item.
online_booking_item_id	INTEGER	NOT NULL	Bob id of the online booking line.
confirm	SMALLINT (5)	NOT NULL	Flag to indicate whether this ER line item is con-firmed by the user.

Table 898: Keys

Key Name	Key Type	Keys
PK491	Primary Key	er_item_link_id

Table 899: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alob_import_tracking

This table is used to track all the imported itinerary from an olb system.

Table 900: Attributes

Column	Type	Null	Description
olb_import_tracking_id	INTEGER	NOT NULL	Bob id
import_name	VARCHAR (255)	NOT NULL	Name of the imported item
import_date	DATETIME	NOT NULL	The date/time when the itinerary is imported.
import_status	INTEGER	NULL	Status of the import. • 1 = processed successfully • -1 = error during import

Table 901: Keys

Key Name	Key Type	Keys
PK533	Primary Key	olb_import_tracking_id

Table 902: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alob_integration_partner

This table stores different online booking integration partners.

Table 903: Attributes

Column	Type	Null	Description
integration_partner_id	INTEGER	NOT NULL	Primary Key. A unique id for this table.
partner_id	INTEGER	NOT NULL	
latest_itinerary_timestamp	DATETIME	NULL	The timestamp up to when the updates exist for itineraries from this source.
import_activity_id	INTEGER	NOT NULL	The activity id that must be used for creating new travel plans.
query_start_id	VARCHAR (255)	NULL	The starting number that must be used in performing a query to the online booking integration partner for itineraries. At the end of each successful import cycle, this number is updated to point to next set of itineraries
itin_request_end_time	DATETIME	NULL	The itinerary query end time used for querying xml data from external systems

Table 904: Keys

Key Name	Key Type	Keys
PK__alo50FB042B	Primary Key	integration_partner_id

Table 905: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_partner	alob_integration_partner	1	partner_id
alob_integration_partner	altr_travel_request	3	integration_partner_id

alob_online_booking

This table contains booking itineraries that are retrieved from online booking web sites.

Table 906: Attributes

Column	Type	Null	Description
online_booking_data_id	INTEGER	NOT NULL	Primary key of this table
change_timestamp	DATETIME	NOT NULL	Date of creation
trip_name	VARCHAR (255)	NULL	The name of the trip
purpose_code	VARCHAR (255)	NULL	Purpose code defined in online booking agency web site.
purpose_name	VARCHAR (255)	NULL	Purpose name in online booking agency web site.
original_data	LONG VARCHAR (18)	NULL	Original data retrieved from on-line booking agency.
external_key	VARCHAR (255)	NOT NULL	Key of online booking record. From Amadeus, this refers to PNR locator.
agency_id	INTEGER	NULL	Bob id of the online booking agency
import_datetime	DATETIME	NOT NULL	The date and time when the import happens.
booking_status	INTEGER	NULL	Used to indicate the user whether this booking is attached to an expense report
user_id	INTEGER	NULL	Used to indicate the user to which this booking belongs
er_doc_id	INTEGER	NULL	Pointer to the bobid of the expense_report
import_name	VARCHAR (255)	NULL	Name of the imported item

Table 907: Keys

Key Name	Key Type	Keys
PK489	Primary Key	online_booking_data_id

Table 908: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_oba_config	alob_online_booking	3	agency_id
alco_user	alob_online_booking	3	user_id
alob_online_booking	alob_online_book-ing_line_item	1	online_booking_data_id

alob_online_booking_line_item

This table contains the line items of online booking itineraries.

Table 909: Attributes

Column	Type	Null	Description
olb_line_item_id	INTEGER	NOT NULL	Bob id of line item
expense_type	VARCHAR (255)	NOT NULL	Type of expense
vendor_code	VARCHAR (255)	NULL	Code of the merchant
vendor_name	VARCHAR (255)	NULL	Name of the merchant
location_code	VARCHAR (255)	NULL	Code of the location
location_name	VARCHAR (255)	NULL	Name of the location
olb_date	DATETIME	NULL	The date when the online booking is incurred.
olb_description	VARCHAR (255)	NULL	Description of this online booking line.
olbli_native_amt_curren-cy_code	VARCHAR (255)	NOT NULL	Currency code for actual expense
olbli_native_amt_curren-cy_name	VARCHAR (255)	NULL	Currency name for actual expense
olbli_native_amt	VARCHAR (255)	NOT NULL	The amount specified by the user, in native currency.
purpose	VARCHAR (255)	NULL	Line specific purpose

Column	Type	Null	Description
origin_airport_code	VARCHAR (255)	NULL	City/airport code for departure location (IATA codes).
origin_airport_name	VARCHAR (255)	NULL	Departure location name for specific site and language.
dest_airport_code	VARCHAR (255)	NULL	City/airport code for arrival location (IATA codes).
dest_airport_name	VARCHAR (255)	NULL	Arrival location name for specific site and language.
ticket_status	VARCHAR (255)	NULL	Status code of the booking
airline_class_of_service_code	VARCHAR (255)	NULL	Cabin type. These are the allowed values: • F First class • B Business Class • E Economy Class • R Restricted economy • M Mixed cabin • X Unknown cabin • S Shuttle (non-bookable) • N New economy
airline_class_of_service_name	VARCHAR (255)	NULL	Reserved.
route	VARCHAR (255)	NULL	List of stopovers in the trip.
car_class_of_service_code	VARCHAR (255)	NULL	Vehicle class code. (C: compact; E: Economy, ...)
car_class_of_service_name	VARCHAR (255)	NULL	Vehicle class description.
hotel_class_of_service_code	VARCHAR (255)	NULL	Room type code.
hotel_class_of_service_name	VARCHAR (255)	NULL	Room type name.
hotel_arrival_date	DATETIME	NULL	The check-in date.
hotel_departure_date	DATETIME	NULL	The check-out date.
city_code	VARCHAR (255)	NULL	Three-letter city/airport code; for car, this is the pickup location; for air, this is the departure location (IATA codes).
city_name	VARCHAR (255)	NULL	City name for specific site and language. For car, this refers to pickup

Column	Type	Null	Description
			location; for air, this refers to departure location.
state_code	VARCHAR (255)	NULL	State code. For car, this refers to pickup location; for air, this refers to departure location.
state_name	VARCHAR (255)	NULL	State name. For car, this refers to pickup location; for air, this refers to departure location.
country_code	VARCHAR (255)	NULL	IATA country code. For car, this refers to pickup location; for air, this refers to departure location.
country_name	VARCHAR (255)	NULL	Country name for specific site and language. For car, this refers to pickup location; for air, this refers to departure location.
ticket_number	VARCHAR (255)	NULL	Airline record locator.
online_booking_data_id	INTEGER	NOT NULL	Bob id of online booking record that contains this line item.

Table 910: Keys

Key Name	Key Type	Keys
PK490	Primary Key	olb_line_item_id

Table 911: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alob_online_booking	alob_online_booking_line_item	1	online_booking_data_id

alob_online_booking_violation

This table contains PNR-level violations produced in the remote booking server while booking a trip.

Table 912: Attributes

Column	Type	Null	Description
violation_id	INTEGER	NOT NULL	Unique bob id

Column	Type	Null	Description
parent_id	INTEGER	NOT NULL	Bob id of container online booking or online booking line item.
policy	VARCHAR (255)	NULL	This is the information for the policy violated.
justification_code	VARCHAR (64)	NULL	This is the justification code defined in the booking server.
justification_desc	VARCHAR (255)	NULL	This is the justification text defined in the booking server corresponding to a justification code.
justification_freetext	LONG VARCHAR (18)	NULL	This is the justification details specified by the user for a specific justification code and text when a policy is violated during the booking process.

Table 913: Keys

Key Name	Key Type	Keys
PK493	Primary Key	violation_id

Table 914: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alor_code_combinations

To store a copy of the Oracle General Ledger code combinations. All of columns in this table are populated from the Oracle Financials general ledger table (GL_CODE_COMBINATIONS). This table is used for installations that provide a batch feed of Oracle Gl code combinations because they do not allow the financial gateway to go directly to the Oracle Financials General Ledger tables to get the information. The java application OraFinGlcodeCombinations loads this table from the Oracle Financials General Ledger tables.

Table 915: Attributes

Column	Type	Null	Description
gl_code_combo_id	INTEGER	NOT NULL	PK

Column	Type	Null	Description
code_combination_id	INTEGER	NOT NULL	The Oracle Financials db key into the table.
start_date_active	DATETIME	NULL	Start date when code is valid
end_date_active	DATETIME	NULL	End date when code is valid
segment1	VARCHAR (25)	NULL	Each column holds a general ledger code (total of 30 segments are possible)
segment2	VARCHAR (25)	NULL	
segment3	VARCHAR (25)	NULL	
segment4	VARCHAR (25)	NULL	
segment5	VARCHAR (25)	NULL	
segment6	VARCHAR (25)	NULL	
segment7	VARCHAR (25)	NULL	
segment8	VARCHAR (25)	NULL	
segment9	VARCHAR (25)	NULL	
segment10	VARCHAR (25)	NULL	
segment11	VARCHAR (25)	NULL	
segment12	VARCHAR (25)	NULL	
segment13	VARCHAR (25)	NULL	
segment14	VARCHAR (25)	NULL	
segment15	VARCHAR (25)	NULL	
segment16	VARCHAR (25)	NULL	
segment17	VARCHAR (25)	NULL	
segment18	VARCHAR (25)	NULL	
segment19	VARCHAR (25)	NULL	
segment20	VARCHAR (25)	NULL	
segment21	VARCHAR (25)	NULL	
segment22	VARCHAR (25)	NULL	
segment23	VARCHAR (25)	NULL	
segment24	VARCHAR (25)	NULL	
segment25	VARCHAR (25)	NULL	
segment26	VARCHAR (25)	NULL	
segment27	VARCHAR (25)	NULL	

Column	Type	Null	Description
segment28	VARCHAR (25)	NULL	
segment29	VARCHAR (25)	NULL	
segment30	VARCHAR (25)	NULL	

Table 916: Keys

Key Name	Key Type	Keys
PK__alo52E34C9D	Primary Key	gl_code_combo_id

Table 917: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpd_calculator_class

This table contains a list of all per diem classes that are developed to support various per diem calculations.

Table 918: Attributes

Column	Type	Null	Description
perdiem_calcula-tor_class_id	INTEGER	NOT NULL	
class_label	VARCHAR (255)	NOT NULL	Calculator class label used by SAT to populate the combo box
class_name	VARCHAR (255)	NOT NULL	The calculator class name, fully qualified with the package name Example: large-soft.pd.CONUSCalculator
class_active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	
calculator_type	INTEGER	NOT NULL	

Table 919: Keys

Key Name	Key Type	Keys
PK__alp56B3DD81	Primary Key	perdiem_calculator_class_id

Table 920: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpd_calculator_class	alpd_definition	1	perdiem_calcula-tor_class_id
alpd_calculator_class	alpd_overage_group	3	perdiem_calcula-tor_class_id

alpd_conus_oconus_deduction

This table contains per diem deduction data as related to alpd_conus_oconus_perdiem. Data for this table is typically imported.

Table 921: Attributes

Column	Type	Null	Description
conus_oconus_deduc-tion_id	INTEGER	NOT NULL	
locale	SMALLINT (5)	NULL	Determines if this deduction applies to domestic (Conus) or foreign (Oconus) per diems • Value 0 = Both • Value 1 = Domestic • Value 2 = Foreign
effective_date	DATETIME	NULL	Date when this deduction is in effect
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	
perdiem_rate_id	INTEGER	NOT NULL	The currency of the per diem rate.
perdiem_rate	NUMERIC (20)	NOT NULL	The deduction applies when the per diem matches this rate.
breakfast_deduc-tion_amt_id	INTEGER	NULL	The currency of the breakfast_deduction_amt.
breakfast_deduc-tion_amt	NUMERIC (20)	NULL	The per diem is reduced by this amount when a breakfast deduction is considered.
lunch_deduction_amt_id	INTEGER	NULL	The currency of the lunch_deduction_amt.

Column	Type	Null	Description
lunch_deduction_amt	NUMERIC (20)	NULL	The per diem is reduced by this amount when a lunch deduction is considered.
dinner_deduction_amt_id	INTEGER	NULL	The currency of the dinner_deduction_amt.
dinner_deduction_amt	NUMERIC (20)	NULL	The per diem is reduced by this amount when a dinner deduction is considered.
incidentals_deduction_amt_id	INTEGER	NULL	The currency of the incidentals_deduction_amt.
incidentals_deduction_amt	NUMERIC (20)	NULL	the per diem is reduced by this amount when an incidentals deduction is considered.

Table 922: Keys

Key Name	Key Type	Keys
PK441	Primary Key	conus_oconus_deduction_id

Table 923: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpd_conus_oconus_perdiem

This table contains US Conus and Oconus per diem data as imported (for example from http:\\www.dtic.mil/perdiem/pdrates.html

Table 924: Attributes

Column	Type	Null	Description
conus_oconus_perdiem_id	INTEGER	NOT NULL	
location_id	INTEGER	NULL	Primary key (a Bob Id).
season_start_date	DATETIME	NULL	The season start date for this per diem rate
season_end_date	DATETIME	NULL	The season end date for this per diem rate
max_lodging_amt_id	INTEGER	NULL	

Column	Type	Null	Description
max_lodging_amt	NUMERIC (20)	NULL	The maximum lodging allowance for this location
non_govt_meals_amt_id	INTEGER	NULL	
non_govt_meals_amt	NUMERIC (20)	NULL	The locality meals rate for this location
proportion-al_meals_amt_id	INTEGER	NULL	
proportional_meals_amt	NUMERIC (20)	NULL	The proportional meals rate for this location
incidental_amt_id	INTEGER	NULL	
incidental_amt	NUMERIC (20)	NULL	The local incidental rate for this location. All Conus rates have a $2 incidental rate.
footnote_amt_id	INTEGER	NULL	
footnote_amt	NUMERIC (20)	NULL	The footnote number for this location (Oconus only - not used)
footnote_rate_amt_id	INTEGER	NULL	
footnote_rate_amt	NUMERIC (20)	NULL	The footnote rate for this location (Oconus only - not used)
per_diem_amt_id	INTEGER	NULL	
per_diem_amt	NUMERIC (20)	NULL	The total of max_lodging_amt + non_govt_meals_amt + incidental_amt.
effective_date	DATETIME	NULL	Date when this perdiem is in effect
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 925: Keys

Key Name	Key Type	Keys
PK440	Primary Key	conus_oconus_perdiem_id
psr_acop_lid	Inversion Entry	location_id

Table 926: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_location	alpd_conus_oconus_perdiem	3	location_id

alpd_definition

Table 927: Attributes

Column	Type	Null	Description
pd_definition_id	INTEGER	NOT NULL	
perdiem_bob_type	INTEGER	NOT NULL	
deduction_bob_type	INTEGER	NULL	
pd_name	VARCHAR (30)	NOT NULL	
perdiem_subtype	SMALLINT (5)	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
country_id	INTEGER	NULL	PK
currency_fmt_defn_id	INTEGER	NULL	PK
perdiem_calcula-tor_class_id	INTEGER	NOT NULL	

Table 928: Keys

Key Name	Key Type	Keys
PK__alpddefinition	Primary Key	pd_definition_id

Table 929: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_country	alpd_definition	3	country_id
alco_currency_format	alpd_definition	3	currency_fmt_defn_id
alpd_calculator_class	alpd_definition	1	perdiem_calcula-tor_class_id
alpd_definition	alpd_eur_deduction	1	pd_definition_id
alpd_definition	alpd_eur_rate	1	pd_definition_id
alpd_definition	alpd_javascript_instance	1	pd_definition_id
alpd_definition	alco_expense_type	3	pd_definition_id
alpd_definition	altr_travel_item	3	pd_definition_id

alpd_eur_deduction

Table 930: Attributes

Column	Type	Null	Description
pd_deduction_id	INTEGER	NOT NULL	
pd_definition_id	INTEGER	NOT NULL	
locale	SMALLINT (5)	NULL	
long_term_stay	SMALLINT (5)	NULL	
breakfast	SMALLINT (5)	NULL	
lunch	SMALLINT (5)	NULL	
dinner	SMALLINT (5)	NULL	
deduction_type	SMALLINT (5)	NOT NULL	
deduction_amount	NUMERIC (20)	NULL	
deduction_amount_id	INTEGER	NULL	
deduction_percentage	FLOAT (8)	NULL	
effective_date	DATETIME	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 931: Keys

Key Name	Key Type	Keys
PK__alpddeductions	Primary Key	pd_deduction_id

Table 932: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpd_definition	alpd_eur_deduction	1	pd_definition_id

alpd_eur_rate

Table 933: Attributes

Column	Type	Null	Description
pd_rate_id	INTEGER	NOT NULL	

Column	Type	Null	Description
pd_definition_id	INTEGER	NOT NULL	
min_time_at_location	SMALLINT (5)	NULL	
per_hour	SMALLINT (5)	NULL	
overnight_stay	SMALLINT (5)	NULL	
first_day_of_trip	SMALLINT (5)	NULL	
last_day_of_trip	SMALLINT (5)	NULL	
rate_value	NUMERIC (20)	NOT NULL	
rate_value_id	INTEGER	NOT NULL	
effective_date	DATETIME	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
location_id	INTEGER	NULL	Primary key (a Bob Id).

Table 934: Keys

Key Name	Key Type	Keys
PK__alpdrates	Primary Key	pd_rate_id

Table 935: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpd_definition	alpd_eur_rate	1	pd_definition_id
alco_location	alpd_eur_rate	3	location_id

alpd_javascript

Table 936: Attributes

Column	Type	Null	Description
pd_javascript_id	INTEGER	NOT NULL	
script_name	VARCHAR (255)	NOT NULL	
script_description	VARCHAR (510)	NULL	
script	LONG VARCHAR (18)	NOT NULL	
active_status	SMALLINT (5)	NOT NULL	

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	
script_type	INTEGER	NULL	

Table 937: Keys

Key Name	Key Type	Keys
PK__alpdjavascript	Primary Key	pd_javascript_id

Table 938: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpd_javascript	alpd_javascript_instance	1	pd_javascript_id

alpd_javascript_instance

Table 939: Attributes

Column	Type	Null	Description
pd_javascript_in-stance_id	INTEGER	NOT NULL	
pd_javascript_id	INTEGER	NOT NULL	
pd_definition_id	INTEGER	NOT NULL	
instance_order	INTEGER	NULL	
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 940: Keys

Key Name	Key Type	Keys
PK__alpdjsinstance	Primary Key	pd_javascript_instance_id

Table 941: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpd_javascript	alpd_javascript_instance	1	pd_javascript_id
alpd_definition	alpd_javascript_instance	1	pd_definition_id

alpd_mapping_info

This table contains the mapping between a combination of expense type and per diem type with the amount columns on the actual per diem tables.

Table 942: Attributes

Column	Type	Null	Description
mapping_info_id	INTEGER	NOT NULL	Primary key (a bob Id)
key_bob_type	INTEGER	NOT NULL	Bob type for the key element
key_element_id	INTEGER	NOT NULL	Key element Id. This can be expense_type_id, trip_type_id or any other ID
mapping_bob_element	VARCHAR (255)	NOT NULL	The name of the amount element that needs to be used for calculating per diem. Example: 'lodging_amount'
mapping_active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 943: Keys

Key Name	Key Type	Keys
PK__alp67DE6983	Primary Key	mapping_info_id

Table 944: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpd_overage_group

This table is used to group individual mappings of actual expenses and per diems to calculate overage. This is maintained by a SAT corporate data screen.

Table 945: Attributes

Column	Type	Null	Description
overage_group_id	INTEGER	NOT NULL	
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Column	Type	Null	Description
overage_group_name	VARCHAR (255)	NULL	Overage group name that shows on SAT screen
description	VARCHAR (255)	NULL	Description for SAT
gl_account	VARCHAR (255)	NULL	GL account for the overage
perdiem_expense_type	INTEGER	NOT NULL	id
perdiem_calculator_class_id	INTEGER	NULL	

Table 946: Keys

Key Name	Key Type	Keys
PK448	Primary Key	overage_group_id

Table 947: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_expense_type	alpd_overage_group	1	expense_type_id
alpd_calculator_class	alpd_overage_group	3	perdiem_calculator_class_id
alpd_overage_group	alpd_overage_mapping	1	overage_group_id
alpd_overage_group	aler_overage	1	overage_group_id

alpd_overage_mapping

This table is used to define an individual mapping between an actual expense and a per diem to calculate overage. This is maintained by a SAT corporate data screen.

Table 948: Attributes

Column	Type	Null	Description
overage_mapping_id	INTEGER	NOT NULL	
overage_group_id	INTEGER	NOT NULL	
actual_expense_type	INTEGER	NOT NULL	Reference to an actual expense type

Column	Type	Null	Description
locale	SMALLINT (5)	NOT NULL	valid values are 1,2,0 where 1=Domestic, 2=Foreign, 0=Both
gl_account	VARCHAR (255)	NULL	Overage GL Account for Tax , if is_tax=1
mapping_type	INTEGER	NOT NULL	

Table 949: Keys

Key Name	Key Type	Keys
PK449	Primary Key	overage_mapping_id

Table 950: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpd_overage_group	alpd_overage_mapping	1	overage_group_id

alpd_perdiem_line_data

This table stores the per diem specific data for a line item such as start time, end time, and various deductions.

Table 951: Attributes

Column	Type	Null	Description
pd_line_data_id	INTEGER	NOT NULL	Primary key for alpd_perdiem_line_data
time_at_location	SMALLINT (5)	NULL	The time spent at this location in minutes. This is usually calculated from end_time - start_time but can be configured as a dropdown.
start_time	DATETIME	NULL	The time of day when the traveller arrives at this location. If the traveller arrived on a previous day, this must be set to 0:00.
end_time	DATETIME	NULL	The time of day when the traveller departed from this location. If the traveller departs on a future day, this must be set to 0:00.

Column	Type	Null	Description
overnight_stay	SMALLINT (5)	NULL	Set to 1 if the traveller has an overnight stay.
long_term_stay	SMALLINT (5)	NULL	Set to 1 if this is part of a long term stay.
breakfast	SMALLINT (5)	NULL	Set to 1 if the traveller's breakfast is paid for. This reduces the per diem.
lunch	SMALLINT (5)	NULL	Set to 1 if the traveller's lunch is paid for. This reduces the per diem.
dinner	SMALLINT (5)	NULL	Set to 1 if the traveller's dinner is paid for. This reduces the per diem.
meal_amount	NUMERIC (20)	NULL	The amount to subtract from the per diem for a meal that is paid for by another party.
meal_amount_id	INTEGER	NULL	The currency of the meal amount. This must always be the same as the per diem currency.
private_nightstay_ad-dress	VARCHAR (255)	NULL	If the traveller stayed at a friend's place, the address is set here.
first_day_of_trip	SMALLINT (5)	NULL	Set to 1 if this is the first day of the trip.
last_day_of_trip	SMALLINT (5)	NULL	Set to 1 if this is the last day of the trip.
change_timestamp	DATETIME	NULL	
exp_line_item_id	INTEGER	NOT NULL	foreign key to aler_expense_line_item

Table 952: Keys

Key Name	Key Type	Keys
PK__alpdli	Primary Key	pd_line_data_id
line_item_id_index	Inversion Entry	exp_line_item_id

Table 953: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
aler_expense_line_item	alpd_perdiem_line_data	1	exp_line_item_id

alpr_bean_request_mapper

This table contains the mapping information for creating beans from bobs. The entries here are used by the bean to bob mapping routine.

Table 954: Attributes

Column	Type	Null	Description
bean_request_mapper_id	INTEGER	NOT NULL	PK - a unique bobid
bus_obj_type_id	INTEGER	NULL	FK
from_element_name	VARCHAR (255)	NULL	The BOB element to be mapped - the source
bean_id	INTEGER	NULL	PK - a unique bobid
to_bean_element_name	VARCHAR (255)	NULL	the bean destination element name
bean_ref	INTEGER	NULL	Bean ID reference, example - 31001789
type_or_transform_class	VARCHAR (255)	NOT NULL	Field type or the Java class performing the transformation
transform_parm	VARCHAR (255)	NULL	Parameters for the transformation class
default_value	VARCHAR (255)	NULL	Default value identifier example - ZERO, BLANK_STRING
special_code	VARCHAR (255)	NULL	Special processing instructions example - HAS_CHILD_ELEMENT
content_provider_type	INTEGER	NOT NULL	Provider Id example - 0 for Commerce One
active_status	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 955: Keys

Key Name	Key Type	Keys
PK__alp7167D3BD	Primary Key	bean_request_mapper_id

Table 956: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	alpr_bean_request_mapper	3	bus_obj_type_id

Parent Entity	Child Entity	Type	Foreign Keys
alpr_beans	alpr_bean_request_mapper	3	bean_id

alpr_beans

A table of bean class names. This table is used by the bean mapper to instantiate beans as required.

Table 957: Attributes

Column	Type	Null	Description
bean_id	INTEGER	NOT NULL	PK - a unique bobid
bean_name	VARCHAR (70)	NOT NULL	The java class name for the bean (excluding package)
active_status	INTEGER	NULL	
change_timestamp	DATETIME	NULL	

Table 958: Keys

Key Name	Key Type	Keys
PK__alp73501C2F	Primary Key	bean_id

Table 959: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_beans	alpr_bean_request_mapper	3	bean_id

alpr_bill_method

This table defines the types of billing that is done for a specific payment type. For example this can be a CBCP card (p-card).

Table 960: Attributes

Column	Type	Null	Description
pr_bill_method_id	INTEGER	NOT NULL	The Bob id of the PrBill-Method bob.
pr_bill_method_name	VARCHAR (255)	NULL	The descriptive name for this bill method.
pr_bill_method_code	INTEGER	NOT NULL	The type of bill method this is. For example a p-card or a user's credit card.

Table 961: Keys

Key Name	Key Type	Keys
PK__alp753864A1	Primary Key	pr_bill_method_id

Table 962: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_bill_method	alpr_payment_type	3	pr_bill_method_id

alpr_category

This table defines all the purchase types that are available for procurement.

Table 963: Attributes

Column	Type	Null	Description
pr_category_id	INTEGER	NOT NULL	The Bob id of the PrCategory bob.
user_id	INTEGER	NULL	PK
category_string	VARCHAR (255)	NULL	The descriptive name of this purchase type.
category_active_status	SMALLINT (5)	NOT NULL	Is this purchase type active?
external_sys_id	VARCHAR (255)	NULL	A value to identify this purchase type in an external system.

Column	Type	Null	Description
glcode	VARCHAR (255)	NULL	The G/L code entry to make for this purchase type.
change_timestamp	DATETIME	NULL	

Table 964: Keys

Key Name	Key Type	Keys
PK__alp7720AD13	Primary Key	pr_category_id

Table 965: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alpr_category	3	user_id
alpr_category	alpr_expenditure_by_category	1	pr_category_id
alpr_category	alpr_line_item	3	pr_category_id

alpr_expenditure_by_category

Table 966: Attributes

Column	Type	Null	Description
expenditure_by_cat_id	INTEGER	NOT NULL	
pr_category_id	INTEGER	NOT NULL	
expenditure_type	VARCHAR (30)	NOT NULL	

Table 967: Keys

Key Name	Key Type	Keys
PK__alp7908F585	Primary Key	expenditure_by_cat_id

Table 968: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_category	alpr_expenditure_by_category	1	pr_category_id

alpr_invoice

This table contains all header data elements for invoice processing and check request. This contains all of the data that can be specified on the **General** tab, and, a foreign key to alpr_purchase_order table that must be used in invoice processing.

Table 969: Attributes

Column	Type	Null	Description
invoice_id	INTEGER	NOT NULL	The primary key of the table, uniquely identifying the invoice/check request
total_calculated_amount_id	INTEGER	NULL	PK
date_created	DATETIME	NULL	The time and date this document was created
date_submitted	DATETIME	NULL	The time and date the creator submitted this document
date_approved	DATETIME	NULL	The time and date this document was approved
invoice_number	VARCHAR (255)	NULL	The invoice number provided by the vendor
invoice_date	DATETIME	NULL	The date of the invoice
invoice_due_date	DATETIME	NULL	The date of the payment for this invoice is due
total_amount	NUMERIC (20)	NULL	The total amount of the check request
total_amount_id	INTEGER	NULL	Foreign key to alco_currency_format describing the currency of the total amount
total_calculated_amount	NUMERIC (20)	NULL	The total amount of the check request calculated by summing all line items
total_discounted_amount	NUMERIC (20)	NULL	The total amount with discount applied
is_approved	SMALLINT (5)	NULL	Has this invoice been approved
envelope_id	VARCHAR (255)	NULL	The tracking number for this check request

Column	Type	Null	Description
paid_date	DATETIME	NULL	The time and date the vendor was paid
paid_amount	NUMERIC (20)	NULL	The amount paid to the vendor
payment_number	VARCHAR (255)	NULL	The description of the payment, most likely a check number
chg_allocation_option	SMALLINT (5)	NULL	Allocation option used for this check request
chg_balancing_option	SMALLINT (5)	NULL	Allocation balancing option used for this check request
send_to_id	SMALLINT (5)	NOT NULL	The value of this send to. Valid values are 1- send to vendor, 2 - send to me, and 3 - hold for pickup
discount_pay_by_date	DATETIME	NULL	The date to be paid by in order to get the discount
total_discounted_amount_id	INTEGER	NULL	Foreign key to alco_currency_format describing the currency of the total discounted amount
paid_amount_id	INTEGER	NULL	Foreign key to alco_currency_format describing the currency of the paid amount
pr_vendor_id	INTEGER	NULL	A foreign key to alpr_vendor table identifying the vendor who is being paid
pr_purpose_id	INTEGER	NULL	A foreign key to the alpr_purpose table identifying the purpose of this check request
title	VARCHAR (255)	NULL	Check request title
invoice_received	DATETIME	NULL	The date that accounting has received the invoice with this payment request. NULL means not received.

Column	Type	Null	Description
invoice_packet_expected	SMALLINT (5)	NULL	Indicates if the user is supposed to submit the invoice packet for this payment request • 0 = The receipt packet is not required • 1 = the receipt packet is required
inv_recpt_email_deadline	DATETIME	NULL	The date by which the invoice packet verifier must receive the invoice packet from the user on submitting this payment request to avoid an e-mail remainder to the owner of the payment request
inv_recpt_hitlist_deadline	DATETIME	NULL	The date by which the invoice packet verifier must receive the invoice packet from the user on submitting this payment request to avoid the user added to the hit list.
requested_payment_date	DATETIME	NULL	The date when the creator is requesting a payment for
voucher_number	VARCHAR (255)	NULL	An identifying value defined by an external system, but not the external system id
special_handling	VARCHAR (255)	NULL	Any special handling note

Table 970: Keys

Key Name	Key Type	Keys
PK456	Primary Key	invoice_id

Table 971: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alpr_invoice	3	currency_fmt_defn_id
alco_currency_format	alpr_invoice	3	currency_fmt_defn_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alpr_invoice	3	currency_fmt_defn_id
alco_currency_format	alpr_invoice	3	currency_fmt_defn_id
alpr_vendor	alpr_invoice	3	pr_vendor_id
alpr_purpose	alpr_invoice	3	pr_purpose_id
alpr_invoice	alpr_invoice_line_item	1	invoice_id

alpr_invoice_line_item

General Ledger account used in preference of the system selection. This may be set by an auditor.

Table 972: Attributes

Column	Type	Null	Description
invoice_line_item_id	INTEGER	NOT NULL	
item_number	VARCHAR (255)	NULL	The unique item number identifying this item to the vendor
item_description	VARCHAR (255)	NULL	A description of this item
invoiced_quantity	INTEGER	NULL	The number of items ordered
unit_price_amount	NUMERIC (20)	NULL	The amount of each invoice line item
total_price_amount	NUMERIC (20)	NULL	The total price of this line item (which is unit price x invoiced quantity)
chg_allocation_option	SMALLINT (5)	NULL	Allocation option used for this check request
chg_balancing_option	SMALLINT (5)	NULL	Allocation balancing option used for this check request
doc_based_allocation	SMALLINT (5)	NULL	Is this line item using doc level allocations?
is_approved	SMALLINT (5)	NULL	Has this line item been approved ?
invoice_id	INTEGER	NOT NULL	Foreign Key to alpr_invoice table, identifying the invoice that this line item is part of
unit_of_measure_id	INTEGER	NULL	A FK to alco_unit_of_measure describing the unit of measure ordered

Column	Type	Null	Description
total_price_amount_id	INTEGER	NULL	A foreign key to alco_currency_format describing the currency of the total proce
unit_price_amount_id	INTEGER	NULL	FK to alco_currency_format describing the currency of each unit proce
vat_account_id	INTEGER	NULL	FK to alco_vat_account identifying the vat account associated with this check request line item
check_request_type_id	INTEGER	NULL	A foreign key to alpr_check_request_type describing the type of check request
expense_account_id	INTEGER	NULL	FK to alco_expense_account which is the expense account associated with this line item
td_gl_account_override	VARCHAR (255)	NULL	General Ledger account used in preference of the system selection. This may be set by an auditor.
td_gl_subaccount_override	VARCHAR (255)	NULL	General Ledger sub-account used in preference of the system selection. This may be set by an auditor
guest_count	INTEGER	NULL	Line item total guest count
guest_entry_mode	SMALLINT (5)	NOT NULL	The guest entry mode (Count, Guests, or Both)
guest_amounts_equal	SMALLINT (5)	NOT NULL	Whether the line item amount is equally split across guests

Table 973: Keys

Key Name	Key Type	Keys
PK457	Primary Key	invoice_line_item_id

Table 974: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_invoice	alpr_invoice_line_item	1	invoice_id
alco_unit_of_measure	alpr_invoice_line_item	3	unit_of_measure_id
alco_currency_format	alpr_invoice_line_item	3	currency_fmt_defn_id
alco_currency_format	alpr_invoice_line_item	3	currency_fmt_defn_id

Parent Entity	Child Entity	Type	Foreign Keys
alco_vat_account	alpr_invoice_line_item	3	vat_account_id
alco_check_re-quest_type	alpr_invoice_line_item	3	check_request_type_id
alco_expense_account	alpr_invoice_line_item	3	expense_account_id

alpr_line_item

This table defines line item information for a purchase request or a purchase order.

Table 975: Attributes

Column	Type	Null	Description
pr_line_item_id	INTEGER	NOT NULL	The bob id of this line item.
pr_document_id	INTEGER	NULL	A foreign key to the alpr_pur-chase_requisition table that identifies the purchase requisition this line item belongs to.
pr_payment_type_id	INTEGER	NULL	A foreign key to the alpr_pay-ment_type table that identifies how this line item will be paid for.
item_id	INTEGER	NULL	Left as place holder in case the 'single vendor' model needs to be supported in the future. Used to be a FK into table alpr_item which has been discontinued.
prli_description	VARCHAR (255)	NULL	A text description of the item being purchased.
prli_is_capital_expenditure	INTEGER	NULL	Is this item a capital expenditure? This is an accounting thing.
prli_quantity	INTEGER	NULL	The quantity that is requested.
prli_quantity_approved	INTEGER	NULL	The quantity approved to be purchased.
prli_is_taxable	INTEGER	NULL	Is this item taxable?
pr_category_id	INTEGER	NULL	A foreign key to the alpr_category table identifying the purchase type of this line item.
item_description	VARCHAR (255)	NULL	A description of the item being purchased.

Column	Type	Null	Description
unit_of_measure_id	INTEGER	NULL	A foreign key to the alco_unit_of_measure table identifying the unit of measure of this item.
prli_unit_price	NUMERIC (20)	NULL	The cost of one of these items to be purchased.
prli_unit_price_id	INTEGER	NULL	The currency type of the unit price.
prli_total_price	NUMERIC (20)	NULL	The purchase price of the line item, quantity times unit price.
prli_total_price_id	INTEGER	NULL	The currency type of the total price.
pr_vendor_id	INTEGER	NULL	A foreign key to the alpr_vendor table identifying the vendor that is selling this item.
prli_reason_for_purchase	VARCHAR (255)	NULL	The reason a particular line item is being purchased.
prli_recipient	VARCHAR (255)	NULL	The person who is getting this item.
prli_deliver_by	DATETIME	NULL	The date by when this item must be delivered.
prli_chg_alloc_option	SMALLINT (5)	NULL	The allocation option to be used on this line item.
prli_chg_alloc_bal_option	SMALLINT (5)	NULL	The allocation balancing option to be used on this line item.
prli_note	LONG VARCHAR (18)	NULL	Obsolete
manufacturer_id	INTEGER	NULL	A foreign key to the alpr_manufacturer table that identifies the manufacturer of this item.
item_status	VARCHAR (255)	NULL	Has this line item being received or invoiced. Free from text.
item_number	VARCHAR (255)	NULL	The vendor's item number as displayed in a catalog
imported_from_template	SMALLINT (5)	NULL	Was this line item imported from a template?
manager	VARCHAR (255)	NULL	The hiring manager for this service.
room_number	VARCHAR (255)	NULL	The room number that this item will go to.
location	VARCHAR (255)	NULL	The location that this item will go to.
start_date	DATETIME	NULL	The date when the person performing a service starts.

Column	Type	Null	Description
end_date	DATETIME	NULL	The date that the person performing a service that is procured is ending work.
op_sys_id	INTEGER	NULL	A foreign key to the alpr_operating_system table identifying the OS that this piece of software that is purchased runs on.
promised_by_date	DATETIME	NULL	The date by when a vendor promises an item.
ext_po_pr_number	VARCHAR (255)	NULL	The PO or PR number that an external system assigns to this line item.
user_message_name	VARCHAR (255)	NULL	A descriptive text field describing the state of the line item. Commonly received or partially received.
variance_qty	INTEGER	NULL	The difference between requested quantity and available quantity as reported by supplier
po_create_timestamp	DATETIME	NULL	Timestamp when purchase order was created
internal_status	INTEGER	NULL	Internal status code example 0,1,2,3,4,5
old_unit_price_id	INTEGER	NULL	A currency format id
old_unit_price	NUMERIC (20)	NULL	When a new price is received, the original price is stored here
old_uom	INTEGER	NULL	When a new unit of measure is received, the original uom is stored here.
partnum_ext	VARCHAR (255)	NULL	The part number extension Example - 01, 02, a, b, ...
available_qty	INTEGER	NULL	Available quantity as reported by Commerce One
real_time_check_timestamp	DATETIME	NULL	Date/time stamp of when a real time price check is requested
max_back_order_qty	INTEGER	NULL	Quantity sent to supplier indicating the maximum quantity that can be backordered.
max_received_qty	INTEGER	NULL	The total number of items received till date.
purchase_order_id	INTEGER	NULL	A foreign key to the alpr_purchase_order table that identifies the purchase order that this line item belongs to.

Column	Type	Null	Description
item_source	INTEGER	NULL	The source of the item-specific data. These values indicate how a PR line item is created: • Punchout • E-catalog import • Manual edit
cbr_approved	SMALLINT (5)	NULL	Determines whether a pr line item is cbr approved

Table 976: Keys

Key Name	Key Type	Keys
PK__alp7EC1CEDB	Primary Key	pr_line_item_id
XIF930aine_item	Inversion Entry	pr_document_id
XIF932aine_item	Inversion Entry	pr_category_id
XIF933aine_item	Inversion Entry	unit_of_measure_id
XIF934aine_item	Inversion Entry	pr_vendor_id
XIF936aine_item	Inversion Entry	manufacturer_id
XIF998aine_item	Inversion Entry	pr_payment_type_id
XIF999aine_item	Inversion Entry	op_sys_id

Table 977: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_operating_systems	alpr_line_item	3	op_sys_id
alpr_payment_type	alpr_line_item	3	pr_payment_type_id
alpr_manufacturer	alpr_line_item	3	manufacturer_id
alpr_vendor	alpr_line_item	3	pr_vendor_id
alco_unit_of_measure	alpr_line_item	3	unit_of_measure_id
alpr_category	alpr_line_item	3	pr_category_id
alpr_purchase_requisition	alpr_line_item	3	pr_document_id

alpr_manufacturer

This table defines the corporate data of manufacturers that make products that might be purchased using the procurement application.

Table 978: Attributes

Column	Type	Null	Description
manufacturer_id	INTEGER	NOT NULL	The bob id of this manufacturer.
user_id	INTEGER	NULL	PK
manufacturer_name	VARCHAR (255)	NULL	The name of this manufacturer.
active_status	SMALLINT (5)	NOT NULL	Is this manufacturer active?

Table 979: Keys

Key Name	Key Type	Keys
PK__alp00AA174D	Primary Key	manufacturer_id
XIF942afacturer	Inversion Entry	user_id

Table 980: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alpr_manufacturer	3	user_id
alpr_manufacturer	alpr_line_item	3	manufacturer_id
alpr_manufacturer	alpr_purchase_requisition	3	manufacturer_id

alpr_operating_systems

This table defines the corporate data of operating systems that software to be purchased runs on.

Table 981: Attributes

Column	Type	Null	Description
op_sys_id	INTEGER	NOT NULL	The bob id of this operating system.

Column	Type	Null	Description
op_sys_name	VARCHAR (255)	NULL	The name of this operating system.
active_status	SMALLINT (5)	NOT NULL	Is this operating system active?

Table 982: Keys

Key Name	Key Type	Keys
PK__alp02925FBF	Primary Key	op_sys_id

Table 983: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_operating_systems	alpr_line_item	3	op_sys_id

alpr_outbound_messages

Table 984: Attributes

Column	Type	Null	Description
id	INTEGER	NOT NULL	PK
extns_req_ln_id	VARCHAR (255)	NULL	pr line item id.
oracl_tracking_nbr	VARCHAR (255)	NULL	PO number.
oracl_tracking_nbr_type	VARCHAR (255)	NULL	type of tracking number (for this case always PO)
extns_req_ln_need_by_dt	DATETIME	NULL	item need by date
user_message_name	VARCHAR (255)	NULL	used for oracle import
extended_message_text	VARCHAR (255)	NULL	status of the receipt
quantity	INTEGER	NULL	number of items received
message_name	VARCHAR (255)	NULL	used for oracle import
receipt_date	DATETIME	NULL	date of the receipt
status	VARCHAR (255)	NULL	status of the PO
purchase_order_id	INTEGER	NULL	FK to alpr_purchase_order

Column	Type	Null	Description
packing_slip_number	VARCHAR (255)	NULL	This column is used to store the packing slip numbers on invoices.

Table 985: Keys

Key Name	Key Type	Keys
PK__alp047AA831	Primary Key	id
XIF1132messages	Inversion Entry	purchase_order_id

Table 986: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_purchase_order	alpr_outbound_messages	3	purchase_order_id

alpr_payment_type

This table defines the available ways that a purchase can be paid by. Examples include a specific credit card.

Table 987: Attributes

Column	Type	Null	Description
pr_payment_type_id	INTEGER	NOT NULL	The bob id of this PR payment type.
pr_bill_method_id	INTEGER	NULL	A foreign key to the alpr_bill_method table that identifies the bill method associated with this payment type.
pr_payment_type_label	VARCHAR (255)	NULL	The description of the pr payment type such as : Cash, Check.
pr_payment_active_status	INTEGER	NOT NULL	Is this payment type active?

Table 988: Keys

Key Name	Key Type	Keys
PK__alp084B3915	Primary Key	pr_payment_type_id

Table 989: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_bill_method	alpr_payment_type	3	pr_bill_method_id
alpr_payment_type	alcc_card	3	pr_payment_type_id
alpr_payment_type	alpr_line_item	3	pr_payment_type_id
alpr_payment_type	alpr_purchase_order	3	pr_payment_type_id

alpr_purchase_order

This table defines a purchase order.

Table 990: Attributes

Column	Type	Null	Description
purchase_order_id	INTEGER	NOT NULL	PK
pr_document_id	INTEGER	NULL	FK to alpr_purchase_requisition.
po_number	VARCHAR (255)	NULL	Purchase order number.
document_id	VARCHAR (255)	NULL	PR tracking number.
create_date	DATETIME	NULL	date PO created/approved.
pr_vendor_id	INTEGER	NULL	FK to alpr_vendor.
total_cost	NUMERIC (20)	NULL	Total cost of all items in PO.
total_cost_id	INTEGER	NULL	
status	VARCHAR (255)	NULL	PO status.
total_costoutstanding	NUMERIC (20)	NULL	Total outstanding cost of items that are not yet received.
total_costoutstanding_id	INTEGER	NULL	
pr_payment_type_id	INTEGER	NULL	FK to alpr_purchase_order table.
first_receive_by_date	DATETIME	NULL	The first date by when any line item in this purchase order is required to be delivered.
last_receive_by_date	DATETIME	NULL	The last date by when any line item in this purchase order is required to be delivered.
address_id	INTEGER	NULL	FK to alco_address table.

Column	Type	Null	Description
pastduenotified	SMALLINT (5)	NULL	Determines whether this purchase order is received.
all_received_status	SMALLINT (5)	NULL	Whether the PO is fully received or not. • Status = 0 or null indicates that the PO is not fully received. • Status = 1 indicates that the PO is fuly received.

Table 991: Keys

Key Name	Key Type	Keys
PK__alp0A338187	Primary Key	purchase_order_id
XIF1127se_order	Inversion Entry	pr_document_id
XIF1128se_order	Inversion Entry	pr_vendor_id
XIF1130se_order	Inversion Entry	total_cost_id
XIF1131se_order	Inversion Entry	total_costoutstanding_id
XIF1135se_order	Inversion Entry	pr_payment_type_id

Table 992: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_payment_type	alpr_purchase_order	3	pr_payment_type_id
alco_currency_format	alpr_purchase_order	3	currency_fmt_defn_id
alco_currency_format	alpr_purchase_order	3	currency_fmt_defn_id
alpr_vendor	alpr_purchase_order	3	pr_vendor_id
alpr_purchase_requisition	alpr_purchase_order	3	pr_document_id
alco_address	alpr_purchase_order	3	address_id
alpr_purchase_order	alpr_outbound_messages	3	purchase_order_id

alpr_purchase_requisition

This table defines a purchase requisition document.

Table 993: Attributes

Column	Type	Null	Description
pr_document_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	PK
pr_title	VARCHAR (255)	NULL	The title of this PR.
pr_purpose_id	INTEGER	NULL	A foreign key to the alpr_purpose table that identifies the purpose of this PR.
date_created	DATETIME	NULL	The date when this PR is created.
date_submitted	DATETIME	NULL	The date when this PR is submitted for approval.
date_approved	DATETIME	NULL	The date when this PR is successfully approved.
pr_tax_total	NUMERIC (20)	NULL	The total tax amount for this purchase requisition.
pr_tax_total_id	INTEGER	NULL	The currency format of the tax of this purchase requisition.
pr_shipping_cost	NUMERIC (20)	NULL	The cost of shipping for this purchase request.
pr_shipping_cost_id	INTEGER	NULL	The currency format of the shipping cost.
total_expense	NUMERIC (20)	NULL	The total amount of this purchase requisition.
total_expense_id	INTEGER	NULL	The currency format of the total amount of this purchase requisition.
pr_is_sourcing_request	SMALLINT (5)	NULL	Is this a sourcing request PR?
pr_vendor_id	INTEGER	NULL	A foreign key to the alpr_vendor table that identifies the vendor used with this PR. Not valid in the multi-vendor model.
manufacturer_id	INTEGER	NULL	
ship_to_id	INTEGER	NULL	A foreign key to the alpr_ship_to table that identifies where all items must be shipped to.
pr_chg_alloc_option	SMALLINT (5)	NULL	The allocation option for this document.
pr_chg_balancing_option	SMALLINT (5)	NULL	The allocation balancing options for this document.

Column	Type	Null	Description
doc_note	VARCHAR (5)	NULL	
po_number	VARCHAR (255)	NULL	The PO number associated with this PR. Only valid for single vendor model.
payment_terms	VARCHAR (255)	NULL	The payment terms for this pr.
professional_buyer_id	INTEGER	NULL	The buyer who sourced this PR.
is_required	SMALLINT (5)	NULL	Is this PR a corporate template?
envelope_id	VARCHAR (255)	NULL	The work item tracking number of this document.
bill_to_id	INTEGER	NULL	A foreign key to the alpr_ship_to table that identifies where all items are to be shipped to.
shopping_cart_xml	LONG VARCHAR (18)	NULL	

Table 994: Keys

Key Name	Key Type	Keys
PK__alp0C1BC9F9	Primary Key	pr_document_id
XIF926aquisitio	Inversion Entry	pr_purpose_id
XIF927aquisitio	Inversion Entry	pr_vendor_id
XIF928aquisitio	Inversion Entry	manufacturer_id
XIF929aquisitio	Inversion Entry	ship_to_id
XIF937aquisitio	Inversion Entry	user_id

Table 995: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alpr_purchase_requisition	3	user_id
alpr_ship_to	alpr_purchase_requisition	3	ship_to_id
alpr_manufacturer	alpr_purchase_requisition	3	manufacturer_id
alpr_vendor	alpr_purchase_requisition	3	pr_vendor_id
alpr_purpose	alpr_purchase_requisition	3	pr_purpose_id

Parent Entity	Child Entity	Type	Foreign Keys
alpr_ship_to	alpr_purchase_requisition	3	ship_to_id
alpr_purchase_requisition	alpr_line_item	3	pr_document_id
alpr_purchase_requisition	alpr_purchase_order	3	pr_document_id

alpr_purpose

This table defines the available purposes for a purchase request.

Table 996: Attributes

Column	Type	Null	Description
pr_purpose_id	INTEGER	NOT NULL	The bob id of the purpose bob.
user_id	INTEGER	NULL	PK
purpose_string	VARCHAR (255)	NULL	The descriptive name of this purpose.
purpose_active_status	SMALLINT (5)	NOT NULL	Is this purpose active?
app_type	INTEGER	NOT NULL	What type of vendor is this? Value of 64 is PR and value of 54288 is CR. These are bit masks that may be ordered together. For example PR and CR can have a value of 524352
change_timestamp	DATETIME	NULL	

Table 997: Keys

Key Name	Key Type	Keys
PK__alp0E04126B	Primary Key	pr_purpose_id
XIF918a_purpose	Inversion Entry	user_id

Table 998: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alpr_purpose	3	user_id

Parent Entity	Child Entity	Type	Foreign Keys
alpr_purpose	alpr_purchase_requisi-tion	3	pr_purpose_id
alpr_purpose	alpr_invoice	3	pr_purpose_id

alpr_received_qty

This table defines receipt status of a line item in the procurement application.

Table 999: Attributes

Column	Type	Null	Description
pr_received_qty_id	INTEGER	NOT NULL	The bob id of the re-ceivedQuantity bob.
parent_id	INTEGER	NOTNULL	The bob id of the line item that this received quantity bob is for.
received_qty	INTEGER	NOT NULL	The number of items that are received.
date_received	DATETIME	NOT NULL	The date when a shipment is received.
received_status_id	INTEGER	NULL	FK to alpr_received_status.
packing_slip_number	VARCHAR (255)	NULL	The packing slip number of a receipt.
actual_received_quantity	NUMERIC (18)	NULL	

Table 1000: Keys

Key Name	Key Type	Keys
PK__alp0FEC5ADD	Primary Key	pr_received_qty_id

Table 1001: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_received_status	alpr_received_qty	3	received_status_id

alpr_received_status

This table defines the available receipt statuses in procurement. This also defines if the item is actually received. For example OK indicates that the item is received, where as damaged indicates the item is not received.

Table 1002: Attributes

Column	Type	Null	Description
received_status_id	INTEGER	NOT NULL	PK
status	VARCHAR (255)	NULL	Status text
is_received	SMALLINT (5)	NULL	does this mean the status was received?
active_status	SMALLINT (5)	NOT NULL	Is this received status active?
description	VARCHAR (255)	NULL	
status_label	VARCHAR (255)	NULL	

Table 1003: Keys

Key Name	Key Type	Keys
PK__alp11D4A34F	Primary Key	received_status_id

Table 1004: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_received_status	alpr_received_qty	3	received_status_id

alpr_req_lines_stage

Table 1005: Attributes

Column	Type	Null	Description
req_line_id	INTEGER	NOT NULL	
req_id	INTEGER	NOT NULL	
line_type	VARCHAR (25)	NOT NULL	
category_id	INTEGER	NOT NULL	
item_description	VARCHAR (240)	NOT NULL	

Column	Type	Null	Description
unit_of_measure	VARCHAR (25)	NOT NULL	
quantity	INTEGER	NOT NULL	
unit_price	FLOAT (8)	NOT NULL	
destination_organiza-tion_id	INTEGER	NOT NULL	
deliver_to_location_id	INTEGER	NOT NULL	
deliver_to_requestor_id	INTEGER	NULL	
justification	VARCHAR (240)	NULL	
need_by_date	DATETIME	NULL	
suggested_vendor_id	INTEGER	NULL	
suggested_ven-dor_site_id	INTEGER	NULL	
suggested_ven-dor_item_num	VARCHAR (25)	NULL	
suggested_buyer_id	INTEGER	NULL	
note_to_buyer	VARCHAR (240)	NULL	
note_to_receiver	VARCHAR (15)	NULL	
currency_code	VARCHAR (15)	NULL	
curr_conv_rate_type	VARCHAR (30)	NULL	
curr_conv_rate_date	DATETIME	NULL	
curr_conv_rate	INTEGER	NULL	

Table 1006: Keys

Key Name	Key Type	Keys
PK__alp14B10FFA	Primary Key	req_line_id

Table 1007: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpr_req_stage

Table 1008: Attributes

Column	Type	Null	Description
req_id	INTEGER	NOT NULL	
req_number	VARCHAR (20)	NOT NULL	
oracle_req_number	VARCHAR (20)	NULL	
preparer_id	INTEGER	NOT NULL	
org_id	INTEGER	NULL	
description	VARCHAR (240)	NULL	

Table 1009: Keys

Key Name	Key Type	Keys
PK__alp1699586C	Primary Key	req_id

Table 1010: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpr_ship_to

This table defines where the items on a purchase requisition must be shipped to.

Table 1011: Attributes

Column	Type	Null	Description
ship_to_id	INTEGER	NOT NULL	The bob id of this shipTo bob.
address_id	INTEGER	NULL	A foreign key to the alco_address table that specifies the address where the items must be shipped to.
ship_method_id	INTEGER	NULL	The way these items are to be shipped. UPS, FedEx
comments	LONG VARCHAR (18)	NULL	Shipping comments.
allow_partial_shipment	SMALLINT (5)	NULL	
manually_entered_address	SMALLINT (5)	NULL	Is this address typed in by hand or selected from a valid ship to address?

Column	Type	Null	Description
user_id	INTEGER	NULL	FK to the alco_user table. Identifies the ship-to contact person.

Table 1012: Keys

Key Name	Key Type	Keys
PK__alp1A69E950	Primary Key	ship_to_id
XIF916a_ship_to	Inversion Entry	address_id
XIF917a_ship_to	Inversion Entry	ship_method_id

Table 1013: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_ship_method	alpr_ship_to	3	ship_method_id
alco_address	alpr_ship_to	3	address_id
alco_user	alpr_ship_to	3	user_id
alpr_ship_to	alpr_purchase_requisition	3	ship_to_id
alpr_ship_to	alpr_purchase_requisition	3	ship_to_id

alpr_transport_carrier

The transport carrier code datatype enumerates the codes that may be used to represent different carriers.

Table 1014: Attributes

Column	Type	Null	Description
transport_carrier_id	INTEGER	NOT NULL	PK - a unique bobid
transport_carrier_code	VARCHAR (70)	NOT NULL	Commerce One carrier code. example - UPS, FEDEX, DHL, COMMONCARRIER, ..
transport_carrier_description	VARCHAR (255)	NOT NULL	Description of the transport Carrier code
active_status	INTEGER	NOT NULL	Is this transport carrier active?
change_timestamp	DATETIME	NULL	The last time this transport carrier bob is changed.

Table 1015: Keys

Key Name	Key Type	Keys
PK__alp1C5231C2	Primary Key	transport_carrier_id

Table 1016: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_transport_carrier	alco_ship_method	3	transport_carrier_id

alpr_transport_mean

The transport mean datatype enumerates the values used to represent various means of transportation. These values are used in combination with the Transport Mode values from data element 8067, mode of transport.

Table 1017: Attributes

Column	Type	Null	Description
transport_mean_id	INTEGER	NOT NULL	PK - a unique bobid
transport_mean_code	VARCHAR (70)	NOT NULL	Standard transport mean codes base on UN/EDIFACT. Example - EXPRESS, 2DAY, 3DAY,...
transport_mean_description	VARCHAR (255)	NOT NULL	Description of transport mean code
active_status	INTEGER	NOT NULL	Is this transport carrier active?
change_timestamp	DATETIME	NULL	The last time this transport carrier bob is changed.

Table 1018: Keys

Key Name	Key Type	Keys
PK__alp1E3A7A34	Primary Key	transport_mean_id

Table 1019: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_transport_mean	alco_ship_method	3	transport_mean_id

alpr_transport_mode

A transport mode is a method of transport used for the carriage of goods (as defined by UN/ECE Recommendation No. 19).

Table 1020: Attributes

Column	Type	Null	Description
transport_mode_id	INTEGER	NOT NULL	PK- a unique bobid
transport_mode_code	VARCHAR (70)	NOT NULL	Standard transport mode codes based on UN/EDIFACT. examples - RAIL, LAND, ROAD, AIR ... Recommended length is 70 chars.
transport_mode_description	VARCHAR (255)	NOT NULL	Description of the transport mode code
active_status	INTEGER	NULL	Is this transport carrier active?
change_timestamp	DATETIME	NULL	The last time this transport carrier bob is changed.

Table 1021: Keys

Key Name	Key Type	Keys
PK__alp2022C2A6	Primary Key	transport_mode_id

Table 1022: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_transport_mode	alco_ship_method	3	transport_mode_id

alpr_unspsccode

Table 1023: Attributes

Column	Type	Null	Description
mapping_id	INTEGER	NOT NULL	pk
category	INTEGER	NOT NULL	pr category that maps to ne UNSPSC code hierarchy in the segment, family class, commodity, and bus. fun. code

Column	Type	Null	Description
segment	CHAR (2)	NULL	Segment level of unspsc classification
family	CHAR (2)	NULL	Family level of unspsc classification
class	CHAR (2)	NULL	Class level of unspsc classification
commodity	CHAR (2)	NULL	Commodity level of unspsc classification
business_function	CHAR (2)	NULL	Business function level of unspsc classification, used to indicate a business relationship to the supplier such as rental/lease, wholesale, retail, or oem
active_status	SMALLINT (5)	NOT NULL	

Table 1024: Keys

Key Name	Key Type	Keys
PK383	Primary Key	mapping_id

Table 1025: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpr_user_preference

Table 1026: Attributes

Column	Type	Null	Description
preference_id	INTEGER	NOT NULL	The bob id of the PRUserPreference Bob.
user_id	INTEGER	NULL	PK
address_id	INTEGER	NULL	A foreign key to the alco_address table specifying the default ship to address.

Table 1027: Keys

Key Name	Key Type	Keys
PK__alp220B0B18	Primary Key	preference_id
XIF943aeference	Inversion Entry	user_id
XIF944aeference	Inversion Entry	address_id

Table 1028: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_address	alpr_user_preference	3	address_id
alco_user	alpr_user_preference	3	user_id

alpr_user_vendor_pref

This table defines the user specific vendor for a selected vendor type.

Table 1029: Attributes

Column	Type	Null	Description
pr_pref_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	PK
vendor_type_id	INTEGER	NOT NULL	
pr_vendor_id	INTEGER	NOT NULL	
active_status	SMALLINT (5)	NOT NULL	

Table 1030: Keys

Key Name	Key Type	Keys
PK__alp23F3538A	Primary Key	pr_pref_id
XIF1019dor_pref	Inversion Entry	user_id
XIF1020dor_pref	Inversion Entry	vendor_type_id
XIF1021dor_pref	Inversion Entry	pr_vendor_id

Table 1031: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alpr_vendor	alpr_user_vendor_pref	1	pr_vendor_id

Parent Entity	Child Entity	Type	Foreign Keys
alpr_vendor_type	alpr_user_vendor_pref	1	vendor_type_id
alco_user	alpr_user_vendor_pref	3	user_id

alpr_vendor

This table defines the association between a vendor type and a vendor address.

Table 1032: Attributes

Column	Type	Null	Description
pr_vendor_id	INTEGER	NOT NULL	The bob id of the PRVendor bob.
user_id	INTEGER	NULL	PK
vendor_active_status	SMALLINT (5)	NOT NULL	Is this vendor active?
address_id	INTEGER	NULL	A foreign key to the alco_address table specifying the address of this vendor.
vendor_type_id	INTEGER	NULL	A foreign key to the alpr_vendor_type table specifying the vendor type of this vendor.
change_timestamp	DATETIME	NULL	

Table 1033: Keys

Key Name	Key Type	Keys
PK__alp25DB9BFC	Primary Key	pr_vendor_id
XAK1alpr_vendor	Alternate Key	user_id, address_id, vendor_type_id

Table 1034: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_address	alpr_vendor	3	address_id
alpr_vendor_type	alpr_vendor	3	vendor_type_id
alco_user	alpr_vendor	3	user_id
alpr_vendor	alpr_line_item	3	pr_vendor_id
alpr_vendor	alpr_purchase_order	3	pr_vendor_id

Parent Entity	Child Entity	Type	Foreign Keys
alpr_vendor	alpr_purchase_requisi-tion	3	pr_vendor_id
alpr_vendor	alpr_user_vendor_pref	1	pr_vendor_id
alpr_vendor	alpr_invoice	3	pr_vendor_id

alpr_vendor_terms

This table contains information on the payment terms that are supported by a vendor.

Table 1035: Attributes

Column	Type	Null	Description
vendor_terms_id	INTEGER	NOT NULL	
term_days	INTEGER	NULL	How many days after receipt of an invoice is the amount due. Using the example 2/10 Net 30, this value is 30
discount_amount_type	SMALLINT (5)	NULL	Discount amount entered type. These are the valid values: • 1 - percentage • 2 - amount
discount_amount_per-centage	NUMERIC (20)	NULL	The discount percentage . Using the example 2/10 Net 30, this value is 2
discount_amount	NUMERIC (20)	NULL	The discount amount
discount_term_days	INTEGER	NULL	How many days after receipt of an invoice is the amount due with the discount. Using the example 2/10 Net30, this value is 10
is_global_default	SMALLINT (5)	NULL	Is this term global default. There can only be one that is the global default. SAT need to validate this
active_status	SMALLINT (5)	NULL	Is this active/inactive
change_timestamp	DATETIME	NULL	The date/time this corporate data changed
discount_amount_id	INTEGER	NULL	Currenct of discount amount, FK to alco_currency_format table

Column	Type	Null	Description
name	VARCHAR (255)	NOT NULL	Description of these terms with discount, Example 2/10 Net 30 indicates 2 percent discount if paid within 10 days, otherwise net 30 days
term_name	VARCHAR (255)	NULL	Description of these terms, example Net 30 indicates due within 30 days

Table 1036: Keys

Key Name	Key Type	Keys
PK459	Primary Key	vendor_terms_id

Table 1037: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_currency_format	alpr_vendor_terms	3	currency_fmt_defn_id
alpr_vendor_terms	alpr_vendor_type	3	vendor_terms_id

alpr_vendor_type

This table defines the available vendor type (a vendor without a location). For example, Office depot is a vendor type, but office depot in Emeryville is a vendor.

Table 1038: Attributes

Column	Type	Null	Description
vendor_type_id	INTEGER	NOT NULL	The bob id of this PrVendorType bob.
user_id	INTEGER	NULL	PK
vendor_type_name	VARCHAR (255)	NULL	The name of this vendor type.
active_status	SMALLINT (5)	NOT NULL	Is this vendor type active?
is_pcard_supported	SMALLINT (5)	NULL	Does this vendor accept p-cards?
ccard_id	INTEGER	NULL	PK
external_sys_id	VARCHAR (255)	NULL	An external system id for this vendor type.

Column	Type	Null	Description
marketsite_participant_id	VARCHAR (255)	NULL	Market site id for this vendor
agreement_number	VARCHAR (255)	NULL	Agreement number between the customer and a supplier
delivery_date_constant	INTEGER	NULL	Default number of days by which a PO must be delivered
payment_term_id	INTEGER	NULL	PK - a unique bob id.
response_date_constant	INTEGER	NULL	Default number of hours that a PO response is expected. A zero indicates that the response is immediate.
punch_out_identity	VARCHAR (100)	NULL	cXML-enabled vendor's identity
punch_out_user_id	VARCHAR (100)	NULL	cXML-enabled vendor's account user id
punch_out_pwd	VARCHAR (100)	NULL	cXML-enabled vendor's encrypted account passwd
punch_out_url	VARCHAR (250)	NULL	cXML-enabled vendors punch out setup request URL.
order_request_url	VARCHAR (250)	NULL	cXML-enabled vendors punch out order request URL.
change_timestamp	DATETIME	NULL	
app_type	INTEGER	NOT NULL	What type of vendor is this ? Value of 64 is PR and value of 54288 is CR. These are bit masks that may be ordered together. For example, PR and CR would have a value of 524352
vendor_terms_id	INTEGER	NULL	
vendor_id	VARCHAR (255)	NULL	an external identifier for the vendor, not necessarily the external system id
is_payment_taxable	SMALLINT (5)	NOT NULL	Does any payment made to this vendor require notification to the government as taxable. In US this is 1099 and in Canada it is T4 code
tax_code	VARCHAR (255)	NULL	If the payment is taxable, to what code should it be reported

Column	Type	Null	Description
tax_id	VARCHAR (255)	NULL	The vendor identifier to the government as a tax id
system_code_1	VARCHAR (255)	NULL	Implementation specific
system_code_2	VARCHAR (255)	NULL	Implementation specific
system_code_3	VARCHAR (255)	NULL	Implementation specific
system_code_4	VARCHAR (255)	NULL	Implementation specific
system_code_5	VARCHAR (255)	NULL	Implementation specific
system_code_6	VARCHAR (255)	NULL	Implementation specific
system_code_7	VARCHAR (255)	NULL	Implementation specific
system_code_8	VARCHAR (255)	NULL	Implementation specific
is_one_time_only	SMALLINT (5)	NOT NULL	Is this vendor only a one time only vendor, or is it a vendor that is often used

Table 1039: Keys

Key Name	Key Type	Keys
PK__alp27C3E46E	Primary Key	vendor_type_id
XIF1039dor_type	Inversion Entry	ccard_id
XIF1072dor_type	Inversion Entry	payment_term_id
XIF938ador_type	Inversion Entry	user_id
idx_pr_vendor_id	Inversion Entry	vendor_id

Table 1040: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_payment_term	alpr_vendor_type	3	payment_term_id
alcc_card	alpr_vendor_type	3	ccard_id
alco_user	alpr_vendor_type	3	user_id
alpr_vendor_terms	alpr_vendor_type	3	vendor_terms_id
alpr_vendor_type	alpr_user_vendor_pref	1	vendor_type_id
alpr_vendor_type	alpr_vendor	3	vendor_type_id

alpt_custom_fragment

Custom jsp print fragment

Table 1041: Attributes

Column	Type	Null	Description
fragment_id	INTEGER	NOT NULL	unique id of the fragment
template_name	VARCHAR (255)	NOT NULL	Name of the custom template that this fragment belongs to.
fragment_name	VARCHAR (255)	NOT NULL	Name of the fragment. This can any descriptive name you would like to enter.
fragment_description	VARCHAR (255)	NULL	Description of the fragment
fragment_file_name	VARCHAR (100)	NULL	The jsp file name of the fragment
fragment_order	INTEGER	NOT NULL	The order for which the fragment must appear on the template
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 1042: Keys

Key Name	Key Type	Keys
PK545	Primary Key	fragment_id

Table 1043: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpt_custom_fragment_mapper

The custom fragment to document type mapping.

Table 1044: Attributes

Column	Type	Null	Description
mapper_id	INTEGER	NOT NULL	UID

Column	Type	Null	Description
doc_type_id	INTEGER	NOT NULL	The document type this fragment is for
fragment_file_name	VARCHAR (255)	NOT NULL	The name of the fragment jsp file
change_timestamp	DATETIME	NULL	
active_status	INTEGER	NOT NULL	

Table 1045: Keys

Key Name	Key Type	Keys
PK550	Primary Key	mapper_id

Table 1046: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpt_custom_fragment_parameter

Custom jsp print fragment parameter.

Table 1047: Attributes

Column	Type	Null	Description
fragment_param_id	INTEGER	NOT NULL	Unique ID
param_name	VARCHAR (255)	NULL	The fragment parameter name
param_value	VARCHAR (255)	NULL	The fragment parameter value
fragment_file_name	VARCHAR (255)	NULL	The name of the fragment jsp file this parameter is associated with
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 1048: Keys

Key Name	Key Type	Keys
PK546	Primary Key	fragment_param_id

Table 1049: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpt_custom_template

Custom jsp print template.

Table 1050: Attributes

Column	Type	Null	Description
template_custom_id	INTEGER	NOT NULL	Unique id
template_name	VARCHAR (255)	NOT NULL	Name of the custom print template
template_description	VARCHAR (255)	NULL	Description of the custom print template
template_file_name	VARCHAR (100)	NULL	The jsp file name of the custom print template
active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	
document_type_id	INTEGER	NULL	The document type of the custom template

Table 1051: Keys

Key Name	Key Type	Keys
PK547	Primary Key	template_custom_id

Table 1052: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alpt_template

The replacement for the erw templates.

Table 1053: Attributes

Column	Type	Null	Description
template_id	INTEGER	NOT NULL	
template_name	VARCHAR (255)	NOT NULL	
document_type_id	INTEGER	NOT NULL	Document type associated with this template
template_description	VARCHAR (255)	NULL	Describes the template
template_file_name	VARCHAR (100)	NULL	Name of the jsp file associated with the template
template_filter_class	VARCHAR (100)	NULL	Fully qualified name of the filter class
active_status	INTEGER	NOT NULL	
change_timestamp	DATE	NULL	

Table 1054: Keys

Key Name	Key Type	Keys
PK382	Primary Key	template_id

Table 1055: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alrz_average_cost_data_source

This table is a cross reference table that maps travel item type and trip type to bob type and element name.

Table 1056: Attributes

Column	Type	Null	Description
cost_data_source_id	INTEGER	NOT NULL	Primary key for table. Values are Bob id's
item_type_id	INTEGER	NULL	
trip_type_id	INTEGER	NULL	A pointer to the altr_trip_type table.

Column	Type	Null	Description
source_bus_obj_type_id	INTEGER	NULL	The bob type as found in table almt_bob_type for the Run-zheimer data.
source_elem_name	VARCHAR (255)	NULL	The bob element name for the bob type in the column source_bus_obj_type_id

Table 1057: Keys

Key Name	Key Type	Keys
PK__alr2B947552	Primary Key	cost_data_source_id

Table 1058: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
altr_trip_type	alrz_average_cost_da-ta_source	3	trip_type_id
altr_travel_item	alrz_average_cost_da-ta_source	3	tr_item_type_id

altr_line_item

This table has one row for each travel request line item in all travel requests.

Table 1059: Attributes

Column	Type	Null	Description
tr_line_item_id	INTEGER	NOT NULL	id for this row
tr_document_id	INTEGER	NOT NULL	Identifies the TR document this line is part of
tr_item_type_id	INTEGER	NOT NULL	identifies the type of travel cost for this line item, for example 'Hotel' see
cost_id	INTEGER	NULL	Identifies currency
cost	NUMERIC (20)	NULL	Cost of this item
tax_cost_id	INTEGER	NULL	Identifies currency
tax_cost	NUMERIC (20)	NULL	Tax

Column	Type	Null	Description
note	LONG VARCHAR (18)	NULL	Any notes
purpose	INTEGER	NULL	
vendor	INTEGER	NULL	
from_location	INTEGER	NULL	
from_date	DATETIME	NULL	Date of origin
from_time	DATETIME	NULL	Time of origin
to_location	INTEGER	NULL	Idenifies city destination
to_date	DATETIME	NULL	Date of destination
to_time	DATETIME	NULL	Time of destination
class_of_service	INTEGER	NULL	
daily_rate_id	INTEGER	NULL	Identifies currency
daily_rate	NUMERIC (20)	NULL	Daily rate for this item, like 29.95 for the car rental
cust_def_1	VARCHAR (255)	NULL	A customer defined field
cust_def_2	VARCHAR (255)	NULL	A customer defined field
cust_def_3	VARCHAR (255)	NULL	A customer defined field
daily_rate_native_id	INTEGER	NULL	Identifies currency
daily_rate_native	NUMERIC (20)	NULL	Daily rate for this item, in currency local to where expense will be incurred
currency_fmt_defn_id	INTEGER	NULL	Identifies currency
exch_rate	NUMERIC (26)	NULL	Exchange rate between local and default currency
use_euro	SMALLINT (5)	NULL	Using the euro?
miles	INTEGER	NULL	Miles driven
reimburse_rate	FLOAT (8)	NULL	
has_notes	SMALLINT (5)	NULL	1= has a note
average_cost_id	INTEGER	NULL	
average_cost	NUMERIC (20)	NULL	
is_imported	SMALLINT (5)	NULL	Flag to indicate whether current line item is an imported line item. • 0 = no • 1 - yes

Column	Type	Null	Description
description1	VARCHAR (255)	NULL	For air segment, this field stores the from airport code and name. For car segment, this field stores the pickup location code.
description2	VARCHAR (255)	NULL	For air segment, this field stores the to airport code and name. For car segment, this field stores the drop-off location code.
ext_booking_key	VARCHAR (255)	NULL	For imported line items, this column may contain an external identifier for this into another system.
exch_rate_default	NUMERIC (26)	NULL	Default foreign exchange rate
trip_type	CHAR (2)	NULL	RT for round trip, OW for one way, MC for multi-city
from_airport_code	CHAR (3)	NULL	Three character airport code for the <from> part of this leg of the trip
to_airport_code	CHAR (3)	NULL	Three character airport code for <to> part of trip
lowest_airfare	NUMERIC (20)	NULL	The lowest airfare, typically coming from the imported itinerary
lowest_airfare_id	INTEGER	NULL	Currency id
lowest_hotel_rate	NUMERIC (20)	NULL	Same for hotel
lowest_hotel_rate_id	INTEGER	NULL	
booking_source	CHAR (2)	NULL	ON for online-booked, OF for offline-booked
agency_name	VARCHAR (40)	NULL	Captures the agency name for those travel plans not booked online
guest_count	INTEGER	NULL	Line item total guest count
guest_entry_mode	SMALLINT (5)	NOT NULL	The guest entry mode (Count, Guests, or Both)
guest_amounts_equal	SMALLINT (5)	NOT NULL	Whether the line item amount is equally split across guests

Table 1060: Keys

Key Name	Key Type	Keys
PK__alt314D4EA8	Primary Key	tr_line_item_id
XIF783aine_item	Inversion Entry	tr_document_id
XIF784aine_item	Inversion Entry	vendor
XIF786aine_item	Inversion Entry	class_of_service
XIF787aine_item	Inversion Entry	purpose
XIF788aine_item	Inversion Entry	currency_fmt_defn_id
XIF789aine_item	Inversion Entry	tr_item_type_id

Table 1061: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
altr_travel_item	altr_line_item	1	tr_item_type_id
alco_currency_format	altr_line_item	3	currency_fmt_defn_id
alco_purpose	altr_line_item	3	purpose_id
alco_class_of_service	altr_line_item	3	service_class_id
alco_vendor	altr_line_item	3	vendor_id
altr_travel_request	altr_line_item	1	tr_document_id

altr_line_item_allocation

This table stores the allocation of a line item. A 1-1 relationship exists between line items and allocations.

Table 1062: Attributes

Column	Type	Null	Description
tr_allocation_id	INTEGER	NOT NULL	id
tr_line_item_id	INTEGER	NOT NULL	
charge_to_string	VARCHAR (255)	NULL	entity this item is charged to, display string
charge_to_code	INTEGER	NULL	• 1 = cost center • 2 = project code

Table 1063: Keys

Key Name	Key Type	Keys
PK__alt3335971A	Primary Key	tr_allocation_id

Table 1064: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

altr_travel_category

Table 1065: Attributes

Column	Type	Null	Description
travel_category_id	INTEGER	NOT NULL	
travel_category_name	VARCHAR (255)	NOT NULL	Non-travel, air, car, hotel, meals, other
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
tax_category_name	VARCHAR (255)	NULL	This is used in the Estimated Cost summary inside the TP Reviewer's overview tab
summary_type	SMALLINT (5)	NULL	Summary_type is used to determine if the cost distribution for this category is displayed in its own category inside the TP Reviewer's Overview tab. Set to 1 if the distribution cost of this category is needed to show by itself. In contrary, all categories that have this flag set to 0 or null have their distribution costs added together into a special category, named "Other" (not a category defined in "altr_travel_category").

Table 1066: Keys

Key Name	Key Type	Keys
PK__alt351DDF8C	Primary Key	travel_category_id

Table 1067: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
altr_travel_category	alco_expense_type	3	travel_category_id
altr_travel_category	altr_travel_item	1	travel_category_id

altr_travel_item

This table identifies the travel cost types.

Table 1068: Attributes

Column	Type	Null	Description
tr_item_type_id	INTEGER	NOT NULL	id
expense_type_id	INTEGER	NOT NULL	Identifies expense type, how this type of cost maps to expense type
tr_item_label	VARCHAR (255)	NOT NULL	label for cost, like 'Meals'
tr_item_icon	VARCHAR (255)	NULL	visual indicator
travel_category_id	INTEGER	NOT NULL	
daily_rate_based	SMALLINT (5)	NOT NULL	Indicates that this item has a daily rate 1 = true
taxable	SMALLINT (5)	NOT NULL	Indicates whether city taxes should be added
use_average_cost	SMALLINT (5)	NULL	
active_status	SMALLINT (5)	NOT NULL	Is item active?
short_label	VARCHAR (255)	NULL	For small device display
default_offline_perdiem_amt_id	INTEGER	NULL	Currency id for per diem amount
default_offline_perdiem_amt	NUMERIC (20)	NULL	
perdiem_subtype	SMALLINT (5)	NULL	
pd_definition_id	INTEGER	NULL	
include_last_day	SMALLINT (5)	NOT NULL	Include last day for, such as, a total amount calculation
instructions	LONG VARCHAR (18)	NULL	Instructions of the TRTravelType

Table 1069: Keys

Key Name	Key Type	Keys
PK__alt370627FE	Primary Key	tr_item_type_id
XIF1086vel_item	Inversion Entry	travel_category_id
XIF791avel_item	Inversion Entry	expense_type_id

Table 1070: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
altr_travel_category	altr_travel_item	1	travel_category_id
alco_expense_type	altr_travel_item	1	expense_type_id
alpd_definition	altr_travel_item	3	pd_definition_id
altr_travel_item	alrz_average_cost_data_source	3	tr_item_type_id
altr_travel_item	altr_line_item	1	tr_item_type_id

altr_travel_request

This table has one row for each travel request document in the system.

Table 1071: Attributes

Column	Type	Null	Description
tr_document_id	INTEGER	NOT NULL	id
user_id	INTEGER	NOT NULL	Owner of document
tr_title	VARCHAR (255)	NULL	Title of the proposed trip
tr_purpose	INTEGER	NULL	
tr_num_going	INTEGER	NULL	Number of people going on trip
tr_date_created	DATETIME	NULL	The date when the document is created
tr_date_filed	DATETIME	NULL	The date when the document is submitted
tr_date_from	DATETIME	NULL	Trip starts on this date
tr_date_to	DATETIME	NULL	Trip continues till this date
tr_tot_air_id	INTEGER	NULL	Identifies currency

Column	Type	Null	Description
tr_tot_air	NUMERIC (20)	NULL	Total airfare cost
tr_tot_hotel_id	INTEGER	NULL	Identifies currency
tr_tot_hotel	NUMERIC (20)	NULL	Total hotel cost
tr_tot_htax_id	INTEGER	NULL	Identifies currency
tr_tot_htax	NUMERIC (20)	NULL	Total hotel tax
tr_tot_car_id	INTEGER	NULL	Identifies currency
tr_tot_car	NUMERIC (20)	NULL	Total car cost
tr_tot_ctax_id	INTEGER	NULL	Identifies currency
tr_tot_ctax	NUMERIC (20)	NULL	Total car tax
tr_tot_meals_id	INTEGER	NULL	Identifies currency
tr_tot_meals	NUMERIC (20)	NULL	Total meal cost
tr_tot_other_id	INTEGER	NULL	Identifies currency
tr_tot_other	NUMERIC (20)	NULL	Total of misc. costs
tr_total_cost_id	INTEGER	NULL	Identifies currency
tr_total_cost	NUMERIC (20)	NULL	Total cost
tr_emp_comp	VARCHAR (255)	NULL	Employee company when document created
tr_emp_dept	VARCHAR (255)	NULL	Employee department when document created
tr_tracking_num	VARCHAR (255)	NULL	TR tracking number, like 'TR00001234'
doc_note	VARCHAR (5)	NULL	Any document notes
trip_type_id	INTEGER	NULL	This is the id of the bob type for trip type (example: 'internaltional')
tr_date_approved	DATETIME	NULL	The date when the document is approved
chg_allocation_option	SMALLINT (5)	NULL	Whether project codes or cost centers or both are used to allocate the costs
chg_balancing_option	SMALLINT (5)	NULL	How costs are balanced between project codes and cost centers
ord_key	VARCHAR (255)	NULL	The order key. This is a unique key into external system that identifies each itinerary.

Column	Type	Null	Description
integration_partner_id	INTEGER	NULL	Primary Key. A unique id for this table.
max_air_ticket_amt_id	INTEGER	NULL	Currency format id for maximum air ticket amount
max_air_ticket_amt	NUMERIC (20)	NULL	Maximum air line ticket amount that the approver is willing to spend for the itinerary associated with the travel plan
itinerary_state	INTEGER	NULL	• -2 = queued • -1 = canceled • 0 = active but no ticket • 1 = confirmed • 2 = ticketed
create_location_id	INTEGER	NULL	The bob id of the location where the travel plan is created.

Table 1072: Keys

Key Name	Key Type	Keys
PK__alt3CBF0154	Primary Key	tr_document_id
XIF1040_request	Inversion Entry	integration_partner_id
XIF781a_request	Inversion Entry	user_id
XIF782a_request	Inversion Entry	tr_purpose
XIF901a_request	Inversion Entry	trip_type_id

Table 1073: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alob_integration_partner	altr_travel_request	3	integration_partner_id
altr_trip_type	altr_travel_request	3	trip_type_id
alco_purpose	altr_travel_request	3	purpose_id
alco_user	altr_travel_request	1	user_id
altr_travel_request	altr_line_item	1	tr_document_id

altr_trip_type

This table defines the types of trips that can be taken by the users.

Table 1074: Attributes

Column	Type	Null	Description
trip_type_id	INTEGER	NOT NULL	id
trip_type_label	VARCHAR (255)	NOT NULL	Display label, such as 'International'
trip_type_active_status	SMALLINT (5)	NOT NULL	Is this type active?
change_timestamp	DATETIME	NULL	

Table 1075: Keys

Key Name	Key Type	Keys
PK__alt3EA749C6	Primary Key	trip_type_id

Table 1076: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
altr_trip_type	alrz_average_cost_da-ta_source	3	trip_type_id
altr_trip_type	altr_travel_request	3	trip_type_id

alts_attd_overtime_calc

This table stores the information about various calculation classes that compute overtime according to various heuristic (Federal laws, CA law...) for attendance usage only.

Table 1077: Attributes

Column	Type	Null	Description
attd_overtime_calc_id	INTEGER	NOT NULL	
calc_name	VARCHAR (255)	NOT NULL	Class name for display
calc_filename	VARCHAR (255)	NOT NULL	Fully qualified Java class name (including Java package) Example: largesoft.ts.overtime
calc_description	VARCHAR (255)	NULL	sShort description of what class does

Column	Type	Null	Description
active_status	SMALLINT (5)	NOT NULL	
overtime_method_id	INTEGER	NULL	FK to alts_overtime_method. This defines the overtime calculation rules and parameters used by the overtime calculation class.
code	VARCHAR (50)	NOT NULL	The code of the OT calc rule. This is for internal or programming use and must not be localized or internationalized. The code of the existing records in migration is set to the value of column calc_name as default.
change_timestamp	DATETIME	NULL	

Table 1078: Keys

Key Name	Key Type	Keys
PK__alt4277DAAA	Primary Key	attd_overtime_calc_id

Table 1079: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_overtime_method	alts_attd_overtime_calc	3	overtime_method_id
alts_attd_overtime_calc	alts_timesheet_profile	3	attd_overtime_calc_id

alts_attendance_line_item

Time Sheet attendance line item table

Table 1080: Attributes

Column	Type	Null	Description
ts_attd_line_item_id	INTEGER	NOT NULL	Primary Key - bob id number
ts_document_id	INTEGER	NOT NULL	id
ts_attendance_date	DATETIME	NOT NULL	The date of the attendance
ts_day_in	DATETIME	NULL	The time the worker starts. This pairs with the ts_day_out to decide how long the worker has worked

Column	Type	Null	Description
ts_day_out	DATETIME	NULL	The time the worker ends the work. This pairs with the ts_day_in to decide how long a worker has worked
ts_lunch_leave	DATETIME	NULL	The time when the worker starts the break. This pairs with ts_lunch_return to decide how long a break the worker has taken
ts_lunch_return	DATETIME	NULL	The time the worker finishes the break. This pairs with ts_lunch_leave to decide how long a break the worker has taken
ts_absence_hours	NUMERIC (14)	NULL	The number of absence hours for employee
ts_late_service_in	DATETIME	NULL	The start time of an additional work time. It pairs with the ts_late_service_out to let the worker enter another work time
ts_late_service_out	DATETIME	NULL	The end time of an additional work time. It pairs with the ts_late_service_in to let the worker enter another work time
ts_approved_hours	NUMERIC (7)	NULL	The number of working hours approved by the reviewer. If the manager does not override this column, all the reported hours by the user are considered as approved.
ts_total_hours	NUMERIC (7)	NULL	Total number of hours worked. This is the sum of ts_day_in, ts_day_out, ts_lunch_leave, ts_lunch_return, ts_late_service_in and ts_late_service_out.
ts_adjusted_total	NUMERIC (7)	NULL	The adjusted total number of hours worked. This is the sum of the 3 time entry pairs and the time_off hours.
change_timestamp	DATETIME	NULL	
ts_app_absence_hours	NUMERIC (14)	NULL	Manager approved absence hours
export_status	SMALLINT (5)	NULL	
project_number_id	INTEGER	NOT NULL	Time code (either Project code or Absence code) for the hours of work or absence. FK to alco_project_number table.

Column	Type	Null	Description
cost_center_id	INTEGER	NULL	Default: creator home cost center. FK to the alco_cost_center table.

Table 1081: Keys

Key Name	Key Type	Keys
PK__alt4460231C	Primary Key	ts_attd_line_item_id
XIF949aline_ite	Inversion Entry	ts_document_id

Table 1082: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_timesheet	alts_attendance_line_item	1	ts_document_id
alco_project_number	alts_attendance_line_item	1	project_number_id
alco_cost_center	alts_attendance_line_item	3	cost_center_id

alts_attendance_type

Table 1083: Attributes

Column	Type	Null	Description
ts_attendance_type_id	INTEGER	NOT NULL	Primary key - bob id number
ts_attendance_name	VARCHAR (255)	NOT NULL	The attendance type name
ts_attendance_description	VARCHAR (255)	NULL	The description for the attendance_type
ts_attd_pair_id	INTEGER	NULL	The other attendance type paired with this attendance_type. The value type of this attendance type is 'time'
ts_attd_entry_negativity	SMALLINT (5)	NULL	How the entry of this attendance type must be calculated for the total hours. • Value 0 = Negative entry • Value 1 = Positive entry

Column	Type	Null	Description
ts_attd_value_type	VARCHAR (255)	NOT NULL	What is the value type of this attendance type. • Value time = participate in the total hours calculation. For example, absence hours • Value other = does not participate in the total hours calculation
ts_used_in_total	CHAR (1)	NOT NULL	Which total hours this type must participate in • Value T = total Value • Value A = adjusted total
ts_associated_bob_element	VARCHAR (255)	NULL	The bob element name of the TS Attendance line Item which is associated with this type
ts_active_status	SMALLINT (5)	NULL	Active status • Value 0 = inactive • Value 1 = active
ts_effective_date	DATETIME	NULL	When this attendance type is effective
ts_expiration__date	DATETIME	NULL	When this attendance type has expired.
change_timestamp	DATETIME	NULL	

Table 1084: Keys

Key Name	Key Type	Keys
PK__alt46486B8E	Primary Key	ts_attendance_type_id

Table 1085: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alts_delinquent_report

This table contains timesheet periods that are submitted by users. The table is pre-populated for the past, current and one future period of each Timesheet users during migration.

A background process 'DlnqntSubmitReportBkg' is run periodically to populate entries for one future period from the current time.

A server side business rule 'Remove Delinquent Report Entry' fires when a user submits a timesheet. The business rule removes the corresponding entry from the table. However, if the entry is not found in the table, this can be either of these cases:

1 Entry has been removed when another timesheet with the same period was submitted. i.e. multiple timesheets are submitted for one period.

What to do: Nothing.

2 This timesheet is pre-submitted. Report entry for this period has not been created by DlnqntSubmitReportBkg.

What to do: An entry is added to the table. The pre-submitted flag is set to '1'. By setting the pre-submitted flag to '1', when DlnqntSubmitReportBkg is run next time, this knows a timesheet has been submitted for that period. The entry is removed by the background process.

Table 1086: Attributes

Column	Type	Null	Description
ts_delinquent_report_id	INTEGER	NOT NULL	
user_id	INTEGER	NOT NULL	User id of user who has delinquent TS
ts_start_date	DATETIME	NOT NULL	Start date/time of delinquent TS
ts_end_date	DATETIME	NOT NULL	end date/time of delinquent TS
ts_end_calendar_date	DATETIME	NOT NULL	end starting calendar date/time of delinquent TS
presubmitted	INTEGER	NULL	Value 1 indicates TS is pre-submitted in this period before an entry in this table is populated by the background process
change_timestamp	DATETIME	NULL	

Table 1087: Keys

Key Name	Key Type	Keys
PK439	Primary Key	ts_delinquent_report_id

Table 1088: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alts_delinquent_timesheet

Table 1089: Attributes

Column	Type	Null	Description
ts_delin-quent_timesheet_id	INTEGER	NOT NULL	
user_id	INTEGER	NOT NULL	
ts_start_time	DATETIME	NULL	start time of delinquent timesheet
ts_end_time	DATETIME	NULL	end time of delinquent timesheet
email_sent	INTEGER	NULL	• 0 - failure to send • 1 - e-mail sent
change_timestamp	DATETIME	NULL	

Table 1090: Keys

Key Name	Key Type	Keys
PK__alt4830B400	Primary Key	ts_delinquent_timesheet_id

Table 1091: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alts_hourly_charge_types

This table lists all possible categories to which time can be charged, for example Regular Time, Overtime, and so on.

Table 1092: Attributes

Column	Type	Null	Description
hourly_charge_type_id	INTEGER	NOT NULL	identifier
hourly_charge_type_name	CHAR (40)	NOT NULL	Display name, for example 'Regular'
hourly_charge_type_se-quence	SMALLINT (5)	NULL	This defines the hourly charge type (row) order shown in the Summary of Hours grid in the **Summary** Tab.

Column	Type	Null	Description
			The increment does not need to be monotonically in Sherpa.
hourly_charge_active_status	SMALLINT (5)	NOT NULL	Whether the hourly charge is active
change_timestamp	DATETIME	NULL	
code	VARCHAR (50)	NULL	This defines the code of the hourly charge type. This column is more likely to be used internally or by programming. This is being hard coded in the report or the program to determine whether the time is overtime or double time, and so on. This is not for internationalized or localized while the hourly_charge_type_name column is.
is_overtime_type	SMALLINT (5)	NOT NULL	This indicates whether the corresponding charge type is overtime. • 1 = yes • 0 = no
base_pay_multiplier	NUMERIC (10)	NULL	The multiplier used when calculating overtime pay rates, such as double time is 2 and overtime is one and a half
paycode	VARCHAR (60)	NULL	Pay code associated with the type. Used by payroll

Table 1093: Keys

Key Name	Key Type	Keys
PK__alt4FD1D5C8	Primary Key	hourly_charge_type_id

Table 1094: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_hourly_charge_types	alts_line_item	3	hourly_charge_type_id
alts_hourly_charge_types	alts_ora_painfo	3	hourly_charge_type_id
alts_hourly_charge_types	alts_ot_method_parameter	1	hourly_charge_type_id

alts_line_item

This table has one row for each timesheet line item.

Table 1095: Attributes

Column	Type	Null	Description
ts_line_item_id	INTEGER	NOT NULL	id of line item
ts_document_id	INTEGER	NOT NULL	fk into alts_timesheet, the parent document
project_number_id	INTEGER	NULL	Identifies the charge code (fk into alco_project_number)
ts_date	DATETIME	NOT NULL	The date associated with this charge
ts_hours	NUMERIC (14)	NULL	Hours associated with this charge
hourly_charge_type_id	INTEGER	NULL	Hourly charge type, like regular or overtime
charge_type_id	INTEGER	NULL	Charge type, such as billable, and so on
ts_start_time	DATETIME	NULL	Starting time
ts_end_time	DATETIME	NULL	Ending time
location_id	INTEGER	NULL	The work location where the worker perfomed the job. FK to alco_location. This may be different from the daily tax location.
charge_role_id	INTEGER	NULL	Id of charge role, which can be 'project manager' or the like
ts_note	CHAR (5)	NULL	This column is deprecated. The notes are now entered in alco_note_entry table. Column shortened to char(5) to keep as a place holder for bob element reference only.
pa_export_status	INTEGER	NULL	Status of export to project accounting. • 0 or null = pending • 1 = errors found • 2 = successful export
app_ts_hours	NUMERIC (14)	NULL	Approved hours for this charge
app_hourly_charge_type_id	INTEGER	NULL	Approved hourly charge type

Column	Type	Null	Description
ts_billable_rate	NUMERIC (20)	NULL	Billable rate for this time sheet line item, entered by manager
ts_billable_rate_id	INTEGER	NULL	Currency this line item is billing in
currency_fmt_defn_id	INTEGER	NULL	Currency associated with billable rate, for display on screen
change_timestamp	DATETIME	NULL	
cost_center_id	INTEGER	NULL	The cost center that is charged. Default is creator home cost center. FK into alco_cost_center.
description	VARCHAR (255)	NULL	A short note for the user to add additional information.
attd_in1	DATETIME	NULL	Stores attendance in-out time pair 1 (in)
attd_out1	DATETIME	NULL	Stores attendance in-out time pair 1 (out)
attd_in2	DATETIME	NULL	Stores attendance in-out time pair 2 (in)
attd_out2	DATETIME	NULL	Stores attendance in-out time pair 2 (out)
attd_in3	DATETIME	NULL	Stores attendance in-out time pair 3 (in)
attd_out3	DATETIME	NULL	Stores attendance in-out time pair 3 (out)
attd_in4	DATETIME	NULL	Stores attendance in-out time pair 4 (in)
attd_out4	DATETIME	NULL	Stores attendance in-out time pair 4 (out)
attd_in5	DATETIME	NULL	Stores attendance in-out time pair 5 (in)
attd_out5	DATETIME	NULL	Stores attendance in-out time pair 5 (out)
attd_in6	DATETIME	NULL	Stores attendance in-out time pair 6 (in)
attd_out6	DATETIME	NULL	Stores attendance in-out time pair 6 (out)
attd_absence_hours	NUMERIC (14)	NULL	Stores attendance absence hours (when used, all in-out pairs should be null)

Table 1096: Keys

Key Name	Key Type	Keys
PK__alt51BA1E3A	Primary Key	ts_line_item_id
XIF810aine_item	Inversion Entry	ts_document_id
XIF812aine_item	Inversion Entry	charge_type_id
XIF815aine_item	Inversion Entry	hourly_charge_type_id
XIF816aine_item	Inversion Entry	charge_role_id
XIF843aine_item	Inversion Entry	project_number_id
XIF882aine_item	Inversion Entry	currency_fmt_defn_id
XIF993aine_item	Inversion Entry	location_id

Table 1097: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_location	alts_line_item	3	location_id
alco_currency_format	alts_line_item	3	currency_fmt_defn_id
alco_project_number	alts_line_item	3	project_number_id
alco_charge_role	alts_line_item	3	charge_role_id
alts_hourly_charge_types	alts_line_item	3	hourly_charge_type_id
alco_charge_types	alts_line_item	3	charge_type_id
alts_timesheet	alts_line_item	1	ts_document_id
alco_cost_center	alts_line_item	3	cost_center_id

alts_ora_painfo

Table 1098: Attributes

Column	Type	Null	Description
ora_painfo_id	INTEGER	NOT NULL	
hourly_charge_type_id	INTEGER	NULL	
transaction_source	VARCHAR (30)	NULL	
expenditure_type	VARCHAR (30)	NULL	

Table 1099: Keys

Key Name	Key Type	Keys
PK__alt53A266AC	Primary Key	ora_painfo_id

Table 1100: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_hourly_charge_types	alts_ora_painfo	3	hourly_charge_type_id

alts_ot_method_parameter

Table 1101: Attributes

Column	Type	Null	Description
ot_method_parameter_id	INTEGER	NOT NULL	PK - a unique ID for this table.
frequency	INTEGER	NULL	The frequency of the overtime calculation. Can be "Daily", "Weekly", or "Monthly"
consecutive_day_num	SMALLINT (5)	NULL	The number of consecutively worked days which has a specific overtime rule.
special_day	INTEGER	NULL	The special day which has different OT rule. These are the four options: • Saturday • Sunday • Weekend • Holiday
threshold	NUMERIC (7)	NULL	The number of hours threshold for either the frequency or consecutively worked day or the special day of the overtime type.
overtime_method_id	INTEGER	NOT NULL	FK to the alts_overtime_method table.
hourly_charge_type_id	INTEGER	NOT NULL	FK to the alts_hourly_charge_types table. The overtime type.

Column	Type	Null	Description
holiday_id	INTEGER	NULL	The holiday on which, if the TS user works, the time is counted as the specified OT type. FK to the alco_holidays table.
active_status	SMALLINT (5)	NOT NULL	• 1 = active • 0 = inactive
change_timestamp	DATETIME	NULL	
day_num_in_workweek	SMALLINT (5)	NULL	Allows the customer to specify a rule against which day in the work week using the sequence number of the day in the work week (starting with 1 for the first day of the work week).
threshold_base	SMALLINT (5)	NULL	This is the threshold base: • 0 = nobase • 1 = work schedule • 2 = weekly total

Table 1102: Keys

Key Name	Key Type	Keys
PK363	Primary Key	ot_method_parameter_id

Table 1103: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_overtime_method	alts_ot_method_parameter	1	overtime_method_id
alts_hourly_charge_types	alts_ot_method_parameter	1	hourly_charge_type_id
alco_holidays	alts_ot_method_parameter	3	holiday_id
alts_ot_method_parameter	alts_ot_parameter_condition	1	ot_method_parameter_id

alts_ot_parameter_condition

This table defines the conditions for Overtime calculation parameters.

Table 1104: Attributes

Column	Type	Null	Description
ot_parameter_condition_id	INTEGER	NOT NULL	
ot_method_parameter_id	INTEGER	NOT NULL	PK - a unique ID for this table.
frequency	SMALLINT (5)	NOT NULL	The calculation frequency. This supports three scenarios: • daily = 0 • daily in a work week = 1 • weekly = 2
day_type	SMALLINT (5)	NOT NULL	The type of day involved: • 0 = anyday • 1 = workday
threshold_base	SMALLINT (5)	NOT NULL	The base for the threshold: • 0 = No base • 1 = work schedule
threshold_operator	SMALLINT (5)	NOT NULL	The threshold arithmetic operator: • 0 means = • 1 means <= • 2 means < • 3 means >= • 4 means >
threshold	NUMERIC (7)	NOT NULL	The number of hours (threshold) to be used in comparison
day_involvement	SMALLINT (5)	NULL	If the overtime parameter is against a specific day, this column specifies how the day is being used in the calculation. • 0 = excluding the day • 1 = prior to that day in the work week • 2 = prior to and including that day in the work week.
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 1105: Keys

Key Name	Key Type	Keys
PK438	Primary Key	ot_parameter_condition_id

Table 1106: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_ot_method_parameter	alts_ot_parameter_condition	1	ot_method_parameter_id

alts_overtime_method

Table 1107: Attributes

Column	Type	Null	Description
overtime_method_id	INTEGER	NOT NULL	PK - a unique ID for this table.
name	VARCHAR (100)	NOT NULL	The name of the overtime calculation method.
code	VARCHAR (50)	NOT NULL	The code of the overtime calculation method.
description	VARCHAR (255)	NULL	The description of the overtime calculation method.
active_status	SMALLINT (5)	NOT NULL	Whether the record is active. • 1 = active • 0 = inactive
change_timestamp	DATETIME	NULL	

Table 1108: Keys

Key Name	Key Type	Keys
PK362	Primary Key	overtime_method_id

Table 1109: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_overtime_method	alts_attd_overtime_calc	3	overtime_method_id
alts_overtime_method	alts_ot_method_parameter	1	overtime_method_id

alts_report_period

This table lists all possible time reporting periods.

Table 1110: Attributes

Column	Type	Null	Description
report_period_id	INTEGER	NOT NULL	id
report_period_name	VARCHAR (255)	NOT NULL	Name of period, such as 'standard'
report_period_type_id	INTEGER	NOT NULL	FK to alts_report_period_types. Defines the reporting period type of this reporting period.
start_day	SMALLINT (5)	NULL	Not used currently
start_time	DATETIME	NULL	Starting time of period, only applies to weekly and bi-weekly periods, for example 12:00 pm
ref_date	DATETIME	NULL	If the reporting period is weekly or bi-weekly, this is a reference date for deciding the start date of the reporting period. The number of days between this reference date and the reporting period start date must be multiples of one week or two weeks according to the period type. For monthly and semi-monthly reporting periods, this is used in deciding how to get the scheduled working hours defined in the work schedule table. The first 7 columns hours_day1,...., hours_day7 are used in alts_work_schedule to specify the scheduled working hours. The corresponding column number for a date in the reporting period is 1 plus the remain of the difference between the date and the ref_date divided by 7 (the reason to plus 1 is because the first column number is 1 -- hours_day1)
report_period_active_status	SMALLINT (5)	NOT NULL	Active status
submission_cutoff	INTEGER	NULL	The number of days after the end of a time period. The timesheet is considered delinquent if posted after this date.

Column	Type	Null	Description
payroll_cutoff	INTEGER	NULL	Number of days past end of reporting period. After this date, payroll does not accept the timesheet through normal process.
change_timestamp	DATETIME	NULL	

Table 1111: Keys

Key Name	Key Type	Keys
PK__alt595B4002	Primary Key	report_period_id

Table 1112: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_report_period_types	alts_report_period	1	report_period_type_id
alts_report_period	alts_timesheet	3	report_period_id
alts_report_period	alts_work_schedule	1	report_period_id
alts_report_period	alts_timesheet_profile	1	report_period_id

alts_report_period_types

This table contains the descriptions of report period types.

Table 1113: Attributes

Column	Type	Null	Description
report_period_type_id	INTEGER	NOT NULL	id
report_period_type_name	VARCHAR (255)	NOT NULL	Description of period type, such as 'Bi-Weekly'
report_period_type_value	SMALLINT (5)	NULL	Type value: • 1=monthly • 2=semi-monthly • 3=bi-weekly • 4=weekly
code	VARCHAR (50)	NOT NULL	This defines the code of the reporting period type. This is not internationalized or localized. This is used internally or by the program. For exam-

Column	Type	Null	Description
			ple: Weekly Type, the code is "weekly", this does not change for different languages and is referred by the program.
change_timestamp	DATETIME	NULL	

Table 1114: Keys

Key Name	Key Type	Keys
PK__alt5B438874	Primary Key	report_period_type_id

Table 1115: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_report_period_types	alts_report_period	1	report_period_type_id

alts_tax_location

This table contains the tax locations associated with a document. (Shown in the **Tax Location by Day** tab)

Table 1116: Attributes

Column	Type	Null	Description
ts_tax_location_id	INTEGER	NOT NULL	Primary key for table (A bob id)
ts_document_id	INTEGER	NOT NULL	The id of the parent timesheet document. FK to alts_timesheet
location_id	INTEGER	NOT NULL	The tax location. FK to alco_location
ts_tax_loc_date	DATETIME	NOT NULL	The date when the tax location is applicable.
change_timestamp	DATETIME	NULL	

Table 1117: Keys

Key Name	Key Type	Keys
PK__alt5D2BD0E6	Primary Key	ts_tax_location_id
XIF955alocation	Inversion Entry	location_id
XIF956alocation	Inversion Entry	ts_document_id

Table 1118: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_timesheet	alts_tax_location	1	ts_document_id
alco_location	alts_tax_location	1	location_id

alts_timesheet

Each row in this table describes one timesheet document.

Table 1119: Attributes

Column	Type	Null	Description
ts_document_id	INTEGER	NOT NULL	id
user_id	INTEGER	NOT NULL	Qwner of the document, pk in alco_user
ts_title	VARCHAR (255)	NULL	Socument title, usually a range of dates
period_start	DATETIME	NULL	Start of time period this document describes
period_end	DATETIME	NULL	End of time period this document describes
date_created	DATETIME	NULL	The date when user created the document
date_submitted	DATETIME	NULL	The ddate when user submitted the document
date_approved	DATETIME	NULL	The date when manager approved the document
total_hours	NUMERIC (14)	NULL	Total hours viewed by the reviewer
report_period_id	INTEGER	NULL	fk into alts_reporting_period; which describes reporting period type; for example bi-weekly, and so on
work_sched_id	INTEGER	NULL	fk into alts_work_schedule; this describes normal work schedules
holiday_sched_id	INTEGER	NULL	The holiday schedule for the user, when the timesheet document is created. FK to alco_hoiday_sched_name

Column	Type	Null	Description
labor_status_id	INTEGER	NULL	fk into alco_labor_status; describes labor status at time of creation
emp_status_id	INTEGER	NULL	fk into alco_employment_status; give employment status at time of filing
emp_comp	VARCHAR (255)	NULL	Employee company when TS created
emp_dept	VARCHAR (255)	NULL	Employee department when TS created
ts_tracking_num	VARCHAR (255)	NULL	Tracking number; like TS00001234
doc_note	VARCHAR (5)	NULL	This column is deprecated.
pa_export_status	INTEGER	NULL	Status of export of this timesheet to project accounting: • 0 or null=not yet exported or pending verification • 1 = errors found • 2 = successfully exported
ts_billable_rate	NUMERIC (20)	NULL	Default billable rate for this timesheet
ts_billable_rate_id	INTEGER	NULL	Currency id for default billable rate
ts_overrides_trail	LONG VARCHAR (18)	NULL	This column is deprecated. The audit trail is recorded in the alco_note_entry table
ts_attendance_over-time	NUMERIC (7)	NULL	Overtime in **Attendance** tab
ts_attendance_dou-ble_time	NUMERIC (7)	NULL	Double time in **Attendance** tab
ts_project_overtime	NUMERIC (7)	NULL	Total overtime hours of the project line items
ts_project_dou-ble_time	NUMERIC (7)	NULL	Total double time hours of the project line items
change_timestamp	DATETIME	NULL	
mgr_preap-proved_ot	SMALLINT (5)	NULL	Indicates whether the manager has pre-approved the overtime the creator is reporting. • 0 = NO • 1 = YES
ts_atten-dance_triple_time	NUMERIC (7)	NULL	The total triple overtime calculated for h ours on timesheet tab.
ts_project_triple_time	NUMERIC (7)	NULL	The total triple overtime calculated for hours on project tab.

Column	Type	Null	Description
ts_profile_id	INTEGER	NULL	The time sheet profile of the user when the user is creating this timesheet document. FK to alts_timesheet_profile
creator_total	NUMERIC (14)	NULL	The total hours viewed by the document creator
create_location_id	INTEGER	NULL	The bob id of the location where the timesheet is created.
job_class_id	INTEGER	NULL	Job classification of the creator when timesheet is created.
weekend_schedule_id	INTEGER	NULL	The weekend schedule for the user, when the timesheet document is created. FK to alco_weekend_schedule

Table 1120: Keys

Key Name	Key Type	Keys
PK__alt5F141958	Primary Key	ts_document_id
XIF804aimesheet	Inversion Entry	user_id
XIF805aimesheet	Inversion Entry	report_period_id
XIF806aimesheet	Inversion Entry	work_sched_id
XIF807aimesheet	Inversion Entry	holiday_sched_id
XIF808aimesheet	Inversion Entry	labor_status_id
XIF809aimesheet	Inversion Entry	emp_status_id

Table 1121: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_employment_status	alts_timesheet	3	emp_status_id
alco_labor_status	alts_timesheet	3	labor_status_id
alco_holiday_sched_name	alts_timesheet	3	holiday_sched_name_id
alts_work_schedule	alts_timesheet	3	work_sched_id
alts_report_period	alts_timesheet	3	report_period_id
alco_user	alts_timesheet	1	user_id
alts_timesheet_profile	alts_timesheet	3	ts_profile_id
alco_weekend_schedule	alts_timesheet	3	weekend_schedule_id

Parent Entity	Child Entity	Type	Foreign Keys
alts_timesheet	alts_line_item	1	ts_document_id
alts_timesheet	alts_tax_location	1	ts_document_id
alts_timesheet	alts_atten-dance_line_item	1	ts_document_id

alts_timesheet_profile

Table 1122: Attributes

Column	Type	Null	Description
ts_profile_id	INTEGER	NOT NULL	PK - a unique ID for this table.
name	VARCHAR (100)	NOT NULL	The timesheet profile name. Needs to be unique.
description	VARCHAR (255)	NULL	Timesheet profile description.
code	VARCHAR (50)	NULL	Timesheet profile code, may be the pay code.
report_period_id	INTEGER	NOT NULL	FK
work_sched_id	INTEGER	NOT NULL	FK to alts_work_schedule. Defines the work schedule associated with the reporting period.
holiday_sched_name_id	INTEGER	NULL	FK to alco_holiday_sched_name. Defines holiday schedule.
attd_overtime_calc_id	INTEGER	NULL	FK to alts_attd_overtime_calc. the overtime calculation rule.
ts_summary_tab_applica-ble	SMALLINT (5)	NOT NULL	Indicate whether the summary tab is applicable. • 1 = applicable • 0 = not applicable
ts_project_tab_applica-ble	SMALLINT (5)	NOT NULL	Indicate whether the project tab is applicable. • 1 = applicable • 0 = not applicable
ts_calendar_tab_applica-ble	SMALLINT (5)	NOT NULL	Indicate whether the calendar tab is applicable. • 1 = applicable

Column	Type	Null	Description
			• 0 = not applicable
project_tabs_payroll	SMALLINT (5)	NOT NULL	Indicate whether the project tabs (project and calendar) are payroll only configuration.
ts_tax_location_applicable	SMALLINT (5)	NOT NULL	Indicate whether the tax location on the calendar tab is applicable. • 1 = applicable • 0 = not applicable
ts_timesheet_applicable	SMALLINT (5)	NOT NULL	Indicate whether the timesheet tab is applicable. • 1 = applicable • 0 = not applicable
ts_exception_tab_applicable	SMALLINT (5)	NOT NULL	Indicate whether the exception tab is applicable. • 1 = applicable • 0 = not applicable
submit_every_period	SMALLINT (5)	NOT NULL	Whether need to submit timesheet for every reporting period. • 1 = yes • 0 = no
preapproval_for_overtime	SMALLINT (5)	NOT NULL	Whether pre-approval is required for overtime. • 1 = yes • 0 = no
active_status	SMALLINT (5)	NOT NULL	Whether the record is active or inactive. • 1 = active • 0 = inactive
change_timestamp	DATETIME	NULL	
max_consecutive_work_days	INTEGER	NULL	Maximum number of consecutively worked days. If worked non-stop passed this number, the user needs to provide explanation
weekend_schedule_id	INTEGER	NOT NULL	FK to alco_weekend_schedule. Defines weekend schedule.

Table 1123: Keys

Key Name	Key Type	Keys
PK361	Primary Key	ts_profile_id

Table 1124: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_report_period	alts_timesheet_profile	1	report_period_id
alts_work_schedule	alts_timesheet_profile	1	work_sched_id
alco_holi-day_sched_name	alts_timesheet_profile	3	holiday_sched_name_id
alts_attd_overtime_calc	alts_timesheet_profile	3	attd_overtime_calc_id
alco_weekend_schedule	alts_timesheet_profile	1	weekend_schedule_id
alts_timesheet_profile	alts_user_attributes	1	ts_profile_id

alts_user_attributes

Each row in this table describes timesheet attributes of one user.

Table 1125: Attributes

Column	Type	Null	Description
ts_user_attr_id	INTEGER	NOT NULL	id
user_id	INTEGER	NOT NULL	id of user
labor_status_id	INTEGER	NULL	Identifies labor status of the user
emp_status_id	INTEGER	NULL	Identifies employment status of the user
ts_effective_date	DATETIME	NULL	The billable rate is effective from this date.
location_id	INTEGER	NULL	The default tax location of the user. FK to alco_location
change_timestamp	DATETIME	NULL	
ts_profile_id	INTEGER	NOT NULL	FK to alts_timesheet_profile table. Defines the timesheet profile of the user.

Column	Type	Null	Description
job_class_id	INTEGER	NULL	Defines the job class of the user. FK to alco_job_classication

Table 1126: Keys

Key Name	Key Type	Keys
PK__alt60FC61CA	Primary Key	ts_user_attr_id
XIF819atributes	Inversion Entry	user_id
XIF823atributes	Inversion Entry	labor_status_id
XIF824atributes	Inversion Entry	emp_status_id
XIF979atributes	Inversion Entry	location_id

Table 1127: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_location	alts_user_attributes	3	location_id
alco_employment_status	alts_user_attributes	3	emp_status_id
alcolabor_status	alts_user_attributes	3	labor_status_id
alco_user	alts_user_attributes	1	user_id
alts_timesheet_profile	alts_user_attributes	1	ts_profile_id
alco_job_classification	alts_user_attributes	3	job_class_id

alts_user_billable_rate

Table 1128: Attributes

Column	Type	Null	Description
ts_user_billable_rate_id	INTEGER	NOT NULL	
user_id	INTEGER	NULL	PK
project_number_id	INTEGER	NULL	id
charge_role_id	INTEGER	NULL	id
currency_fmt_defn_id	INTEGER	NOT NULL	PK
ts_billable_rate	NUMERIC (20)	NOT NULL	
ts_billable_rate_id	INTEGER	NOT NULL	

Column	Type	Null	Description
effective_date	DATETIME	NULL	
expiration_date	DATETIME	NULL	
create_user_id	INTEGER	NULL	Creator user id
create_timestamp	DATETIME	NULL	
update_user_id	INTEGER	NULL	Update user id
change_timestamp	DATETIME	NULL	

Table 1129: Keys

Key Name	Key Type	Keys
PK__alt62E4AA3C	Primary Key	ts_user_billable_rate_id
XIF1003ble_rate	Inversion Entry	user_id
XIF976able_rate	Inversion Entry	project_number_id
XIF977able_rate	Inversion Entry	charge_role_id
XIF978able_rate	Inversion Entry	currency_fmt_defn_id

Table 1130: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alts_user_billable_rate	3	user_id
alco_currency_format	alts_user_billable_rate	1	currency_fmt_defn_id
alco_charge_role	alts_user_billable_rate	3	charge_role_id
alco_project_number	alts_user_billable_rate	3	project_number_id

alts_work_schedule

This table includes the list of all possible work schedules.

Table 1131: Attributes

Column	Type	Null	Description
work_sched_id	INTEGER	NOT NULL	id
work_sched_name	VARCHAR (255)	NOT NULL	Name of this work schedule
report_period_id	INTEGER	NOT NULL	FK to alts_report_period_types. Defines the reporting period type.

Column	Type	Null	Description
hours_day1	NUMERIC (14)	NULL	Scheduled working hours for the 1st day in the reporting period for weekly and bi-weekly types. Scheduled working hours for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between the date of the day and the alts_report_period.ref_date divided by 7 is 0
hours_day2	NUMERIC (14)	NULL	Scheduled working hours for the 2nd day in the reporting period for weekly and bi-weekly types. Scheduled working hours for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between the date of the day and the alts_report_period.ref_date divided by 7 is 0
hours_day3	NUMERIC (14)	NULL	Scheduled working hours for the 3rd day in the reporting period for weekly and bi-weekly types. Scheduled working hours for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between the date of the day and the alts_report_period.ref_date divided by 7 is 0
hours_day4	NUMERIC (14)	NULL	Scheduled working hours for the 4th day in the reporting period for weekly and bi-weekly types. Scheduled working hours for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between the date of the day and the alts_report_period.ref_date divided by 7 is 0
hours_day5	NUMERIC (14)	NULL	Scheduled working hours for the 5th day in the reporting period for weekly and bi-weekly types. Scheduled working hours for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between the date of the day and the alts_report_period.ref_date divided by 7 is 0
hours_day6	NUMERIC (14)	NULL	Scheduled working hours for the 6th day in the reporting period for weekly and bi-weekly types. Scheduled working hours for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between the date

Column	Type	Null	Description
			of the day and the alts_report_period.ref_date divided by 7 is 0
hours_day7	NUMERIC (14)	NULL	Scheduled working hours for the 7th day in the reporting period for weekly and bi-weekly types. Scheduled working hours for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between the date of the day and the alts_report_period.ref_date divided by 7 is 0
hours_day8	NUMERIC (14)	NULL	Scheduled working hours for this day in the reporting period for bi-weekly type. Not in use for other reporting period types.
hours_day9	NUMERIC (14)	NULL	Scheduled working hours for this day in the reporting period for bi-weekly type. Not in use for other reporting period types.
hours_day10	NUMERIC (14)	NULL	Scheduled working hours for this day in the reporting period for bi-weekly type. Not in use for other reporting period types.
hours_day11	NUMERIC (14)	NULL	Scheduled working hours for this day in the reporting period for bi-weekly type. Not in use for other reporting period types.
hours_day12	NUMERIC (14)	NULL	Scheduled working hours for this day in the reporting period for bi-weekly type. Not in use for other reporting period types.
hours_day13	NUMERIC (14)	NULL	Scheduled working hours for this day in the reporting period for bi-weekly type. Not in use for other reporting period types.
hours_day14	NUMERIC (14)	NULL	Scheduled working hours for this day in the reporting period for bi-weekly type. Not in use for other reporting period types.
work_schedule_active_status	SMALLINT (5)	NOT NULL	Is this element in active use?
min_hours_per_period	NUMERIC (7)	NULL	Number of minimum hours worked for a reporting period.
max_hours_per_period	NUMERIC (7)	NULL	Number of maximum hours worked for a reporting period.

Column	Type	Null	Description
apply_cross_workday_to	INTEGER	NULL	If a workday crosses midnight, where to apply hours of this workday to. • 1 = next day • 0= previous day
day1_start_time	DATETIME	NULL	Scheduled arrival time for 1st day in the reporting period for weekly and bi-weekly types. Scheduled arrival time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day1_end_time	DATETIME	NULL	Scheduled departure time for day 1 in the reporting period for weekly and bi-weekly types. Scheduled departure time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day2_start_time	DATETIME	NULL	Scheduled arrival time for day 2 in the reporting period for weekly and bi-weekly types. Scheduled arrival time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day2_end_time	DATETIME	NULL	Scheduled departure time for day 2 in the reporting period for weekly and bi-weekly types. Scheduled departure time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day3_start_time	DATETIME	NULL	Scheduled arrival time for day 3 in the reporting period for weekly and bi-weekly types. Scheduled arrival time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.

Column	Type	Null	Description
day3_end_time	DATETIME	NULL	Scheduled departure time for day 3 in the reporting period for weekly and bi-weekly types. Scheduled departure time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day4_start_time	DATETIME	NULL	Scheduled arrival time for day 4 in the reporting period for weekly and bi-weekly types. Scheduled arrival time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day4_end_time	DATETIME	NULL	Scheduled departure time for day 4 in the reporting period for weekly and bi-weekly types. Scheduled departure time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day5_start_time	DATETIME	NULL	Scheduled arrival time for day 5 in the reporting period for weekly and bi-weekly types. Scheduled arrival time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day5_end_time	DATETIME	NULL	Scheduled departure time for day 5 in the reporting period for weekly and bi-weekly types. Scheduled departure time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day6_start_time	DATETIME	NULL	Scheduled arrival time for day 6 in the reporting period for weekly and bi-weekly types. Scheduled arrival time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and

Column	Type	Null	Description
			the alts_report_period.ref_date divided by 7 is 0.
day6_end_time	DATETIME	NULL	Scheduled departure time for day 6 in the reporting period for weekly and bi-weekly types. Scheduled departure time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day7_start_time	DATETIME	NULL	Scheduled arrival time for day 7 in the reporting period for weekly and bi-weekly types. Scheduled arrival time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day7_end_time	DATETIME	NULL	Scheduled departure time for day 7 in the reporting period for weekly and bi-weekly types. Scheduled departure time for a day in the monthly and semi-monthly reporting periods if the remainder of the difference between date of the day and the alts_report_period.ref_date divided by 7 is 0.
day8_start_time	DATETIME	NULL	Scheduled arrival time for day 8 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day8_end_time	DATETIME	NULL	Scheduled departure time for day 8 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day9_start_time	DATETIME	NULL	Scheduled arrival time for day 9 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day9_end_time	DATETIME	NULL	Scheduled departure time for day 9 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day10_start_time	DATETIME	NULL	Scheduled arrival time for day 10 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day10_end_time	DATETIME	NULL	Scheduled departure time for day 10 in the reporting period for bi-weekly type.

Column	Type	Null	Description
			Not in use for other reporting period types.
day11_start_time	DATETIME	NULL	Scheduled arrival time for day 11 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day11_end_time	DATETIME	NULL	Scheduled departure time for day 11 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day12_start_time	DATETIME	NULL	Scheduled arrival time for day 12 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day12_end_time	DATETIME	NULL	Scheduled departure time for day 12 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day13_start_time	DATETIME	NULL	Scheduled arrival time for day 13 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day13_end_time	DATETIME	NULL	Scheduled departure time for day 13 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day14_start_time	DATETIME	NULL	Scheduled arrival time for day 14 in the reporting period for bi-weekly type. Not in use for other reporting period types.
day14_end_time	DATETIME	NULL	Scheduled departure time for day 14 in the reporting period for bi-weekly type. Not in use for other reporting period types.
change_timestamp	DATETIME	NULL	

Table 1132: Keys

Key Name	Key Type	Keys
PK__alt64CCF2AE	Primary Key	work_sched_id

Table 1133: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alts_report_period	alts_work_schedule	1	report_period_id
alts_work_schedule	alts_timesheet	3	work_sched_id

Parent Entity	Child Entity	Type	Foreign Keys
alts_work_schedule	alts_timesheet_profile	1	work_sched_id

alwf_act_perm_for_controller

This table defines what group or individual is authorized to access the activities. This table maintains the many-to-many relationship between the activities and users.

Table 1134: Attributes

Column	Type	Null	Description
access_permission_id	INTEGER	NOT NULL	Primary key. A unique bob is.
change_timestamp	DATETIME	NULL	
activity_id	INTEGER	NOT NULL	The activity id for which permission is defined.
user_id	INTEGER	NULL	If a user has access to the activity, this is the user id.
group_id	INTEGER	NULL	If a group (of users) has access to this activity, this is id of that group.
controller_id	INTEGER	NOT NULL	Control the activity permission is used for. 1 for receipts hold.

Table 1135: Keys

Key Name	Key Type	Keys
PK528	Primary Key	access_permission_id

Table 1136: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_activity	alwf_act_perm_for_con-troller	1	activity_id
alco_user	alwf_act_perm_for_con-troller	3	user_id
alco_group_defn	alwf_act_perm_for_con-troller	3	group_id

alwf_activity

This table defines different state in a workflow/business process. Activities make-up a workflow and documents advance from one activity to another. These activities can be viewed as the heart of the definition of a business process. Every business has different activities in a document workflow. So, this table needs to be set-up specifically for a company.

Table 1137: Attributes

Column	Type	Null	Description
activity_id	INTEGER	NOT NULL	A unique bob id. Primary key.
display_name	VARCHAR (255)	NOT NULL	Used to show the user name of the activity. This field must be localized.
internal_name	VARCHAR (255)	NULL	Some display_names are identical. This field must be unique, because this is used in the Admin tool, and possibly in reports, to distinguish one activity from another.
business_process_id	INTEGER	NULL	FK into the alwf_business_process table. Each activity state is for exactly one business process for example for Expense Report Workflow.
by_user_hierarchy	SMALLINT (5)	NULL	Should be 0 or 1. 1 represents that work items in this activity must be processed by the owner's manager.
is_read_only	SMALLINT (5)	NULL	Not used.
activity_view	VARCHAR (255)	NULL	This column contains the window name (colum. control_name from table alct_control_defn) of the screen to show for the activity view when the document is in this activity.
explain_view	VARCHAR (255)	NULL	This column contains the window name (colum. control_name from table alct_control_defn) of the screen to show for the expalin view when the document is in this activity.
owner_view	VARCHAR (255)	NULL	This column contains the window name (colum. control_name from table alct_control_defn) of the screen to show for the owner view

Column	Type	Null	Description
			when the document is in this activity.
activity_access	INTEGER	NULL	The permission to modify the data that the person performing the activity has. These are the values:
			• 0 = full access
			• 1 = read-only access
			• 2 = Notes access
			Values are defined in Workflow-Client class.
explain_access	INTEGER	NULL	The permission to modify the data that the person explaining something about the document has when this is in this activity. These are the values:
			• 0 = full access
			• 1 = read-only access
			• 2 = Notes access
			Values are defined in Workflow-Client class. This generally applies to the documents which are in suspended state.
owner_access	INTEGER	NULL	The permission to modify the data that the owner of the document has when this is in this activity. These are the values:
			• 0 = full access
			• 1 = read-only access
			• 2 = Notes access
			Values are defined in Workflow-Client class.
activity_number	INTEGER	NULL	Provides a number that identifies the type of activity. These are used for searching for workitems/activities of a given type (that is CREATE) without using string comparisions on their names. Refer to al-wf_activity_number table for a list of activity numbers. This is a list of valid activity numbers:
			• ACT_UNDEFINED = 0
			• ACT_CREATE = 10

Column	Type	Null	Description
			• ACT_MGR_RVW = 20 • ACT_EXEC_RVW = 25 • ACT_ACCT_RVW = 30 • ACT_CCMGR_RVW = 35 • ACT_PAYROLL = 40 • ACT_ARCHIVE = 50 • ACT_DESTROY = 60 • ACT_IMPORT_CREATE = 70 • ACT_ROUTING = 998 • ACT_OTHER = 999
activity_description	VARCHAR (255)	NULL	Describes the activity in an easy to understand, brief phrase.
checklist	LONG VARCHAR (18)	NULL	Defines the checklist for the doc owner and the doc reviewer. Para-graps must be separated by '^^'. The two sections must be divided by the string '{{2}}'. TODO: If this field is not used, wf/CheckListCB.ja-va can be removed.
change_timestamp	DATETIME	NULL	
default_transition_id	INTEGER	NULL	Identifies the activity transition as-sociated with the submit/approve button. If null, the button must be disabled
short_label	VARCHAR (255)	NULL	Small label for small screens
split_interface_cls	VARCHAR (255)	NULL	
split_interface_desc	VARCHAR (255)	NULL	
br_enter_hook_id	INTEGER	NULL	
routing_valida-tor_class	VARCHAR (255)	NULL	The name of the java class which implements the IRoutingValidator interface for this activity. The class name should be fully qualified package names
use_in_filter	SMALLINT (5)	NOT NULL	Values 0 or 1. Default is 1
active_status	SMALLINT (5)	NOT NULL	

Table 1138: Keys

Key Name	Key Type	Keys
PK__alw66B53B20	Primary Key	activity_id

Table 1139: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_business_process	alwf_activity	3	business_process_id
alwf_activity	alwf_activity_permission	1	activity_id
alwf_activity	alwf_activity_transition	1	activity_id
alwf_activity	alwf_activity_transition	1	activity_id
alwf_activity	alwf_wi_history	3	activity_id
alwf_activity	alwf_work_item	1	activity_id
alwf_activity	alwf_workload_state	1	activity_id
alwf_activity	alwf_expediter	1	activity_id
alwf_activity	alco_wi_filter_activity	1	activity_id
alwf_activity	alwf_reviewer_permission	1	activity_id
alwf_activity	alco_er_activity_status_map	1	activity_id
alwf_activity	alwf_act_perm_for_controller	1	activity_id

alwf_activity_number

The table that contains the valid activity categories and its labels. Each activity in the system must belong to one of these categories.

Table 1140: Attributes

Column	Type	Null	Description
activity_number_id	INTEGER	NOT NULL	The primary key (a unique bob id) for a row in the table.
activity_category_name	VARCHAR (255)	NOT NULL	The label for the activity group/categoty into which activities are divided. These are current assigned labels and corresponding activity number values: • Create 10 • Manager Review 20 • Executive Review 25 • Accounting Review 30

Column	Type	Null	Description
			• Charge Code Manager Review 35
			• Payroll 40
			• Archive 50
			• Destroy 60
			• Import Create 70
			• Routing 998
			• Miscellaneous 999
activity_number	INTEGER	NOT NULL	The number associated with an activity category into which activities are divided.

Table 1141: Keys

Key Name	Key Type	Keys
PK__alw689D8392	Primary Key	activity_number_id

Table 1142: Relationships

Parent Entity	Child Entity	Type	Foreign Keys

alwf_activity_permission

This table defines what group or individual has the right to use work-items that are in the specified activity state. This table maintains the many-to-many relationship between activities and users.

Table 1143: Attributes

Column	Type	Null	Description
activity_id	INTEGER	NOT NULL	The activity id for which permission is defined.
access_permission_id	INTEGER	NOT NULL	Primary key. A unique bob is.
user_id	INTEGER	NULL	If a user has access to an activity, this is the user id. Generally used with background processes.
group_id	INTEGER	NULL	If a group (of users) has access to this activity, this is the id of that group.

Column	Type	Null	Description
special_user_id	INTEGER	NULL	TODO: This seems to be used in our code when getting the review queue documents, but the logic is beyond my comprehension. Need input.
change_timestamp	DATETIME	NULL	

Table 1144: Keys

Key Name	Key Type	Keys
PK__alw6A85CC04	Primary Key	access_permission_id

Table 1145: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_group_defn	alwf_activity_permission	3	group_id
alco_user	alwf_activity_permission	3	user_id
alwf_activity	alwf_activity_permission	1	activity_id

alwf_acitivity_transition

This table defines the actual workflow and lists the possible activities (states) a document can go starting from a given activity (state).

Table 1146: Attributes

Column	Type	Null	Description
transition_id	INTEGER	NOT NULL	bob id. Primary key.
business_process_id	INTEGER	NULL	Not used and no corresponding bob element exists. This field must be removed.
work_item_status	INTEGER	NOT NULL	This is used to indicate the picked by the user. This also indicates the transition picked by a server-side business rule. This is placed into the work item returned to workflow engine. Negative codes have these special meanings: • -1 : keep it, I'll work on it later • -2 : request for more info

Column	Type	Null	Description
			• -3 : put back
			• -4 : release
			• -5 : save
			• -6 : reject
			• 0 : normal transition (that is submit, approve)
			• -100 or less : this is a server-side BR transition and this is not displayed on **Done** button menu .
work_status_label	VARCHAR (255)	NULL	This is the option user can view on the screen (on done button menu). Selecting one of these passes the corresponding work_item_status to the workflow engine. This must be localized, if required.
activity_id_to	INTEGER	NOT NULL	The activity to which a document is sent if this transition is considered.
activity_id_from	INTEGER	NOT NULL	Originating activity (state).
post_label	VARCHAR (255)	NULL	A string defining what happened to the document if document takes this transition. This is what shown to the user as the document state (for example Appoved, rejected and so on).
br_client_submit_hook_id	INTEGER	NULL	FK. References br_event_id in albr_event. This is used to fire client-side business rules which are defined on this hook. These rules are fired before the document is transitioned to the next activity.
display_sequence	SMALLINT (5)	NOT NULL	Display sequence for this transition on the done button menu.
ok_for_all_states	SMALLINT (5)	NULL	TODO: I don't think this is being used.
br_enter_hook_id	INTEGER	NULL	TODO: Not used. Should be removed.
br_exit_hook_id	INTEGER	NULL	Points to the br_event_id in albr_event. This is used to run server-side business rules defined on this hook.
change_timestamp	DATETIME	NULL	
short_label	VARCHAR (255)	NULL	Short label for small screens (for mobile edition).
active_status	INTEGER	NOT NULL	

Table 1147: Keys

Key Name	Key Type	Keys
PK__alw6C6E1476	Primary Key	transition_id
XIF750aansition	Inversion Entry	activity_id_from
XIF751aansition	Inversion Entry	activity_id_to
XIF752aansition	Inversion Entry	business_process_id
XIF753aansition	Inversion Entry	br_client_submit_hook_id
idx_stat_activity	Alternate Key	work_item_status, activity_id_from, active_status

Table 1148: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
albr_event	alwf_activity_transition	3	br_event_id
alwf_business_process	alwf_activity_transition	3	business_process_id
alwf_activity	alwf_activity_transition	1	activity_id
alwf_activity	alwf_activity_transition	1	activity_id

alwf_appl_parameters

This table is used to hold various application parameters which drive extensity.

Table 1149: Attributes

Column	Type	Null	Description
parm_id	INTEGER	NOT NULL	PK
parm_name	VARCHAR (255)	NOT NULL	The parameter identifying string.
parm_value	VARCHAR (4000)	NOT NULL	The string value for the parameter
parm_display_name	VARCHAR (255)	NULL	Name displayed in SAT for this parameter.
parm_description	VARCHAR (1020)	NULL	Description and purpose of parameter. Also may contains values and their meaning.
parm_allow_override	SMALLINT (5)	NULL	TODO: I don't see it being used anywhere.
parm_active_status	SMALLINT (5)	NOT NULL	• 1 - active • 0- inactive

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	
is_customer_editable	SMALLINT (5)	NULL	If true, this parameter is displayed and can be changed by administrators who are authorized to access the application parameter corporate data type screen in the SAT. If false (or null), this parameter is not displayed in the SAT
xm_release_id	INTEGER	NOT NULL	The version of XM when the data entry was first available.

Table 1150: Keys

Key Name	Key Type	Keys
PK__alw6E565CE8	Primary Key	parm_id
XAK1alwrameters	Alternate Key	parm_name

Table 1151: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_xm_release	alwf_appl_parameters	1	xm_release_id

alwf_appl_parm_override

This table has a foreign key to appl_parameters, and is attached to groups. This is used to override parameters in alwf_appl_parameters table which is not associated with groups.

Table 1152: Attributes

Column	Type	Null	Description
parm_override_id	INTEGER	NOT NULL	Primary key. Unique id
parm_id	INTEGER	NOT NULL	FK. Refers to parm_id in alwf_appl_parameters
parm_override_value	VARCHAR (255)	NOT NULL	value of the parameter.
parm_override_description	VARCHAR (510)	NULL	parameter description
parm_active_status	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 1153: Keys

Key Name	Key Type	Keys
PK__alw703EA55A	Primary Key	parm_override_id

Table 1154: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_appl_parameters	alwf_appl_parm_override	1	parm_id

alwf_business_leaders

TODO: This seems to be used to find nextReviewer but I am not sure of the algo.

This table allows you to specify different people to review docs based on project. [Needs more research; but believed to be implemented in the workflow engine. However, no GUI tool exists for an administrator to maintain this table, so this is not used in version 1.0 of Extensity Expense Reporter.]

Table 1155: Keys

Column	Type	Null	Description
leader_user_id	INTEGER	NOT NULL	
leader_level	INTEGER	NULL	[needs research on how this is used]
project_number_id	INTEGER	NULL	The project that this is for.
change_timestamp	DATETIME	NULL	

Table 1156: Keys

Key Name	Key Type	Keys
PK__alw7226EDCC	Primary Key	leader_user_id

Table 1157: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_project_number	alwf_business_leaders	3	project_number_id
alco_user	alwf_business_leaders	0	user_id

alwf_business_process

A business process is a set of standard steps to achieve a particular purpose. For example, Extensity has defined the business process for creating and paying expense reports internally, and another process for handling time cards. A company can define more than one business process for the same type of document. In large companies, divisions often define their own processes.

This table holds business processes supported by Extensity.

Table 1158: Attributes

Column	Type	Null	Description
business_process_id	INTEGER	NOT NULL	PK id of process
bp_display_name	VARCHAR (255)	NULL	Localized name displayed to users, for example on the main data entry screens, create, and so on
bp_internal_name	VARCHAR (255)	NULL	Internal name string of the business process
bus_obj_type_id	INTEGER	NULL	FK into almt_bob_type table; id of bob type edited by this process, such as expense report
bp_take_effect_date	DATETIME	NULL	The date when this process is in effect
bp_version	INTEGER	NULL	Version number
bp_doc_id_prefix	VARCHAR (255)	NOT NULL	The characters that are prefixed to an eight-digit number to make a unique document id. Defaults are 'ER', 'TP', and 'TS' for expense reports, travel plans, and timesheets, respectively.
change_timestamp	DATETIME	NULL	

Table 1159: Keys

Key Name	Key Type	Keys
PK__alw740F363E	Primary Key	business_process_id

Table 1160: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	alwf_business_process	3	bus_obj_type_id
alwf_business_process	alwf_activity	3	business_process_id
alwf_business_process	alwf_activity_transition	3	business_process_id

Parent Entity	Child Entity	Type	Foreign Keys
alwf_business_process	alwf_document_id	3	business_process_id
alwf_business_process	alwf_process_permission	1	business_process_id
alwf_business_process	alco_installed_application	1	business_process_id
alwf_business_process	alco_proxy	1	business_process_id

alwf_document_id

Document-ids are user visible constructs - they are not internal database ids. The user typically can view 'ER0002341', for example The 2341 comes from this table. This appears to the user on the main expense report data entry screen as the 'tracking number'.

Document Ids (tracking numbers) can be defined separately for each business process, can be made user specific and so on. There are several ways to generate a document tracking number and to define document ids. These are governed by tracking number format defined in application parameters. If nothing is defined then Extensity defaults are used.

Table 1161: Attributes

Column	Type	Null	Description
wf_document_id	INTEGER	NOT NULL	id of entry, must be only one, the first one selected is used
user_id	INTEGER	NULL	If the document id is user specific this is the id of the user, otherwise null.
business_process_id	INTEGER	NULL	If document id is specific to a business process this is the id of that business process.
last_doc_id	INTEGER	NOT NULL	Last id that is used.
lock_me	SMALLINT (5)	NULL	TODO: Not really used.

Table 1162: Keys

Key Name	Key Type	Keys
PK__alw75F77EB0	Primary Key	wf_document_id

Table 1163: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_business_process	alwf_document_id	3	business_process_id
alco_user	alwf_document_id	3	user_id

alwf_expediter

Table 1164: Attributes

Column	Type	Null	Description
expediter_id	INTEGER	NOT NULL	
activity_id	INTEGER	NOT NULL	A unique bob id. Primary key.
expedite_at	INTEGER	NOT NULL	The number of hours after which the work items in this activity must be expedited
expedite_email_recip	SMALLINT (5)	NULL	A value indicating the recipients of the e-mail to be sent by the router after expediting a work item; if this is 0, no e-mail is sent; if it is not zero, this sends an e-mail to one or more recipients as determined by adding up the following values: • 1- owner • 2- owner's manager • 4- designated addresses • 8- current reviewer • 16- current reviewer's manager • 32- previous reviewer • 0 64- previous reviewer's manager
router	VARCHAR (255)	NOT NULL	This is the full package name of the router that controls the expediting for this activity; for the Standard Expedite Router, the full package name is largesoft.bkgproc.standard.StandardExpediteRouter.
expedite_status	INTEGER	NOT NULL	This is the work item (transition) status the work item must be checked in on when this is expedit-

Column	Type	Null	Description
			ed; this must appear in alwf_activity_tranisition for this activity; for StandardEscalateRouter, this value must be -3;
expedite_active_status	INTEGER	NOT NULL	
exception_status	INTEGER	NULL	This is the exception status. The work item must be checked in on when no manager of the current reviewer exists; this must appear in alwf_activity_transition for this activity; this is requred for StandardEscalateRouter and not used by StandardExpediterRouter and must be left null for StandardExpediterRouter's configuration.
exception_email_recip	SMALLINT (5)	NULL	A mask indicating the recipients of the e-mail that must be sent by the router after check in a work item in exceptionStatus; the recipients can be 'owner', 'owner's manager','designated address', 'current reviewer'; refer to the expediteEmailRecipients for the value for all of this recipients; if this is 0, no e-mail is sent; this is not used by StandardExpediterRouter and must be left null for StandardExpediterRouter's configuration.
end_group	INTEGER	NULL	A group id; if the 'end group' is specified and the new reviewer is a member of that group, the work item is routed on endStatus; this is not used by StandardExpediterRouter and must be left null for StandardExpediterRouter's configuration.
end_status	INTEGER	NULL	This is required and used only if the 'end group' is set, and can be set for each activity
end_email_recip	SMALLINT (5)	NULL	A mask indicating the recipients of the e-mail that must be sent by the router when the document is routed on the endStatus; refer to expediteEmailRecipients for the value of this parameter; if this is 0, no e-mail will be sent;

Column	Type	Null	Description
add_esig	SMALLINT (5)	NULL	indicates whether to add an electronic signature when the document is expedited
change_timestamp	DATETIME	NULL	
end_group_applicable_to	SMALLINT (5)	NULL	This is used to indicate whether the 'end group' check must apply to the current reviewer, the next reviewer (1, default), either (3), or both reviewer (4).
selecter	VARCHAR (255)	NULL	Fully qualified package name (defaults to largesoft.bkgproc.selecter.WorkItemDateSelecter) of the SelecterAbstract sub-class that must determine which work items must be expedited; this allows all routers to do routing without making determinations of WHETHER each item must be moved.
expediter_name	VARCHAR (255)	NULL	expediter_name is the name of the expediter bkg proc, as specified in the bkg_process_name column of alco_background_process to which the current expediter bob applies - that is, by subclassing StandardExpediterBkg (no operations required, just a new name, such as StandardExpediterSub1Bkg) and then setting some expediter_name records to StandardExpediterBkg and StandardExpediterSub1Bkg, some expediter bobs are handled by one while the rest are handled by the other; this allows for multi-threading, if desired. Each activity may still only have one expediter bob at this point, however.
include_locked	SMALLINT (5)	NULL	This is used to indicate whether the selector must include documents that are presently locked but have no active session - 0 means no (default) and 1 means yes; this applies to the WorkItemDateSelecter and any other selectors written in the future that are written to use this.
date_element_name	VARCHAR (255)	NULL	date_element_name is used indicate the name of the date/time ele-

Column	Type	Null	Description
			ment on the work item that the WorkItemDateSelecter should use to determine which documents are ready for expediting - defaults to 'timeEnteredQueue' if not set.

Table 1165: Keys

Key Name	Key Type	Keys
PK447	Primary Key	expediter_id

Table 1166: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_activity	alwf_expediter	1	activity_id

alwf_manual_route

This table is used in conjunction with Manual Route Functionality. If manual routing business rule is configured, creator of a document selects a person for review. This information is stored in this table and used when routing the document to the next activity.

Table 1167: Attributes

Column	Type	Null	Description
manual_route_id	INTEGER	NOT NULL	bob id
work_item_id	INTEGER	NOT NULL	id of the work item that is manual routed.
route_to	INTEGER	NOT NULL	id of the user to whom the document is sent for review.
sequence_no	INTEGER	NOT NULL	If more than one reviewer exists, this number decides to whom the document must be sent first.

Table 1168: Keys

Key Name	Key Type	Keys
PK__alw77DFC722	Primary Key	manual_route_id
XIF1012al_route	Inversion Entry	work_item_id

Table 1169: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_work_item	alwf_manual_route	1	work_item_id

alwf_process_permission

This table defines user or Role (group) for which permission is assigned on a business process.

Table 1170: Attributes

Column	Type	Null	Description
process_permission_id	INTEGER	NOT NULL	PK id of this permission
business_process_id	INTEGER	NOT NULL	id of business process, such as create expense report
user_id	INTEGER	NULL	This user can participate in this process
group_id	INTEGER	NULL	Primary key

Table 1171: Keys

Key Name	Key Type	Keys
PK__alw7D98A078	Primary Key	process_permission_id

Table 1172: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_group_defn	alwf_process_permis-sion	3	group_id
alco_user	alwf_process_permis-sion	3	user_id
alwf_business_process	alwf_process_permis-sion	1	business_process_id

alwf_reviewer_list

Table 1173: Attributes

Column	Type	Null	Description
reviewer_list_id	INTEGER	NOT NULL	
work_item_id	INTEGER	NOT NULL	Work Item to be reviewed
user_id	INTEGER	NULL	User that must review
group_id	INTEGER	NULL	role group that must review
reviewed	SMALLINT (5)	NOT NULL	• 0 if not reviewed • 1 if reviewed
review_date	DATETIME	NULL	Timestamp when the reviewer reviewed the document

Table 1174: Keys

Key Name	Key Type	Keys
PK460	Primary Key	reviewer_list_id
idx_wfreviewer_wi	Inversion Entry	work_item_id
idx_wfreview_user	Inversion Entry	user_id
idx_wfreview_grp	Inversion Entry	group_id

Table 1175: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_work_item	alwf_reviewer_list	1	work_item_id
alco_user	alwf_reviewer_list	3	user_id
alco_group_defn	alwf_reviewer_list	3	group_id

alwf_reviewer_permission

Table 1176: Attributes

Column	Type	Null	Description
reviewer_permission_id	INTEGER	NOT NULL	
activity_id	INTEGER	NOT NULL	The workflow activity this permission is for.

Column	Type	Null	Description
user_group_id	INTEGER	NOT NULL	The group of users whose documents the reviewer can access in the activity.
active_status	SMALLINT (5)	NOT NULL	
change_timestamp	DATETIME	NULL	
reviewer_user_id	INTEGER	NULL	PK
reviewer_group_id	INTEGER	NULL	primary key

Table 1177: Keys

Key Name	Key Type	Keys
PK465	Primary Key	reviewer_permission_id

Table 1178: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_activity	alwf_reviewer_permission	1	activity_id
alco_group_defn	alwf_reviewer_permission	1	group_id
alco_user	alwf_reviewer_permission	3	user_id
alco_group_defn	alwf_reviewer_permission	3	group_id

alwf_user_hierarchy

Defines the company hierarchy.

Table 1179: Attributes

Column	Type	Null	Description
user_hierarchy_id	INTEGER	NOT NULL	PK
boss_user_id	INTEGER	NULL	The person
user_id	INTEGER	NULL	The person
project_number_id	INTEGER	NULL	This is used to determine the project oriented hierarchy data

Column	Type	Null	Description
change_timestamp	DATETIME	NULL	

Table 1180: Keys

Key Name	Key Type	Keys
PK__alw7F80E8EA	Primary Key	user_hierarchy_id
XIF666aierarchy	Inversion Entry	project_number_id
XIF691aierarchy	Inversion Entry	boss_user_id
XIF693aierarchy	Alternate Key	user_id

Table 1181: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_user	alwf_user_hierarchy	3	user_id
alco_user	alwf_user_hierarchy	3	user_id
alco_project_number	alwf_user_hierarchy	3	project_number_id

alwf_wi_history

This table stores a history of important actions that are taken on work items.

Table 1182: Attributes

Column	Type	Null	Description
work_item_id	INTEGER	NULL	Identifies the associated work item
wi_history_id	INTEGER	NOT NULL	Conceptually identifies this row, but the code always sets this to 0
activity_id	INTEGER	NULL	Id of activity work item was in when the action occurred
author_user_id	INTEGER	NULL	The requestor id, the id of the user making the work flow request
action_name	VARCHAR (255)	NULL	The db action that was take such as 'Create'
description	VARCHAR (255)	NULL	A field that is probably unused. Dynamically generated free form text containing pieces of various other fields. For example 'Submit(0)'

Column	Type	Null	Description
			means that the item is successfully submitted.
post_label	VARCHAR (255)	NULL	The activity post-label that resulted
time_modified	DATETIME	NULL	The time that the action occurred.
proxy	VARCHAR (255)	NULL	String describing the proxy user
transition_id	INTEGER	NULL	

Table 1183: Keys

Key Name	Key Type	Keys
XIF670a_history	Inversion Entry	activity_id
XIF888a_history	Inversion Entry	work_item_id
PK267PK267	Primary Key	wi_history_id
author_user_idx	Inversion Entry	author_user_id
IDX_WI_HISTORY_TIME_MODI-FIED	Inversion Entry	time_modified

Table 1184: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_work_item	alwf_wi_history	3	work_item_id

alwf_work_item

A work item represents a document that is routed through the work-flow system. Examples are expense report, travel plans, and timesheets.

Table 1185: Attributes

Source	Type	Null	Description
work_item_id	INTEGER	NOT NULL	PK
business_object_id	INTEGER	NOT NULL	The db id of the document. This is a FK into a dynamically determined table. For example, if the app that is running is the ER app, this id is the FK into the aler_expense_report table.

Source	Type	Null	Description
document_id	VARCHAR (255)	NOT NULL	The character id of the document, visible to the typical user. Appears to the user as 'tracking number', usually.
activity_id	INTEGER	NOT NULL	Id of current activity. activities are the nodes of work-flow, and documents are routed from node to node.
doc_priority	INTEGER	NULL	[not used]
doc_is_locked	SMALLINT (5)	NOT NULL	1 if locked, 0 if not locked. Document is locked when this is checked out by a user.
session_num	INTEGER	NULL	A data server number assigned to the user session at login. This indicates that this work item can be accessed and changed by the user session that this identifies. Used to prevent a user from accessing work items from to simultaneous sessions.
is_suspended	SMALLINT (5)	NOT NULL	1 if suspended (sent back for more info, for example, an explanation)
appl_exceptions	SMALLINT (5)	NULL	1 if there are any exceptions, ie business rule violations
overrides	SMALLINT (5)	NULL	1 if there are any overrides, that is the approved amount for an expense is less than the submitted amount
doc_specific	VARCHAR (255)	NULL	Each type of app can put a string here. For example, the ER app stores the total amount of authorized business expenses for the ER here.
post_label	VARCHAR (255)	NULL	The activity 'post-label'. Basically its current state.
doc_date_created	DATETIME	NULL	The date when the doc is created
doc_date_modified	DATETIME	NULL	The last date this is modified
time_entered_queue	DATETIME	NOT NULL	The date when the item entered the queue, a queue holds items for an activity, waiting to be checked out.
creator_user_id	INTEGER	NULL	
owner_user_id	INTEGER	NULL	
locked_by_user_id	INTEGER	NULL	

Source	Type	Null	Description
suspended_by_us-er_id	INTEGER	NULL	
released_by_user_id	INTEGER	NULL	
proxy_user_id	INTEGER	NULL	Id of the proxy who last modified the document.
project_number_id	INTEGER	NULL	Not implemented yet. If special routing is implemented for a specific project, this id points to where to find the info.
doc_description	VARCHAR (255)	NULL	The document title.
bus_obj_type_id	INTEGER	NULL	FK- type of document.
offline_user_id	INTEGER	NULL	User id of the user that has this work item for offline work. The id is set by the client workflow and the item is checked back in. This column is set to null when a the work item is checked out online.
activity_number	INTEGER	NULL	Correspond to the activity_number col. in alwf_activity. This value defines the type of activity that activity_id is. These are the values: • ACT_UNDEFINED = 0 • ACT_CREATE = 10 • ACT_MGR_RVW = 20 • ACT_EXEC_RVW = 25 • ACT_ACCT_RVW = 30 • ACT_PAYROLL = 40 • ACT_ARCHIVE = 50 • ACT_DESTROY = 60 • ACT_ROUTING = 998 • ACT_OTHER = 999 (From DB-Static.java)
doc_date_offlined	DATETIME	NULL	The time stamp when the work item is checked in to workflow after this is retrieved for offline work. This column is set to null when the work item is checked out online.
offline_special_code	INTEGER	NULL	Used to signal special processing of a document when moved from offline to online. 1 means delete this

Source	Type	Null	Description
			document from online when upload-ed.
change_timestamp	DATETIME	NULL	
last_transition	INTEGER	NULL	
audit_indicator	VARCHAR (255)	NULL	Customer specific audit attributes
doc_specific_indicator	DATETIME	NULL	Another place for doc specific stuff, in er this shows that receipts are received by the accountant when NOT NULL
parent_work_item_id	INTEGER	NULL	
split_count	INTEGER	NULL	
recall_state	INTEGER	NULL	Document recallable if recall_state=0 or NULL.
rejected_exceptions	INTEGER	NULL	Value 1 if there are any rejected exceptions in the document Value 0 - no rejected exceptions.
only_one_reviewer_needed	SMALLINT (5)	NULL	0 is false which means all reviewers are needed, 1 is true which means only one reviewe needed
is_exported	SMALLINT (5)	NULL	
doc_date_submitted	DATETIME	NULL	Date when the document is submitted.
audit_log	INTEGER	NULL	Whether the document has any audit log entries
doc_specific_amount_id	INTEGER	NULL	currency for doc_specific_amount
doc_specific_amount	NUMERIC (20)	NULL	total amount or hours of document
doc_purpose	VARCHAR (255)	NULL	the document purpose
doc_approved_amount_id	INTEGER	NULL	currency for doc_approved_amount
doc_approved_amount	NUMERIC (20)	NULL	approved amount or hours of document

Table 1186: Keys

Key Name	Key Type	Keys
PK__alw025D5595	Primary Key	work_item_id
XAK1alwork_item	Inversion Entry	business_object_id

Key Name	Key Type	Keys
XIF668aork_item	Inversion Entry	project_number_id
XIF671aork_item	Inversion Entry	activity_id
XIF695aork_item	Inversion Entry	creator_user_id
XIF696aork_item	Inversion Entry	owner_user_id
XIF849aork_item	Inversion Entry	bus_obj_type_id
idx_session_num	Inversion Entry	session_num
releasedUserId	Inversion Entry	released_by_user_id
lockedUserId	Inversion Entry	locked_by_user_id
suspendedUserId	Inversion Entry	suspended_by_user_id
createDate	Inversion Entry	doc_date_created
offlineUserId	Inversion Entry	offline_user_id
doc_id_idx1	Inversion Entry	document_id

Table 1187: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
almt_bob_type	alwf_work_item	3	bus_obj_type_id
alco_user	alwf_work_item	3	user_id
alco_user	alwf_work_item	3	user_id
alco_user	alwf_work_item	3	user_id
alco_user	alwf_work_item	3	user_id
alco_user	alwf_work_item	3	user_id
alwf_activity	alwf_work_item	1	activity_id
alco_project_number	alwf_work_item	3	project_number_id
alwf_work_item	aler_payment_inter-face	1	work_item_id
alwf_work_item	alwf_manual_route	1	work_item_id
alwf_work_item	alco_document_links	3	work_item_id
alwf_work_item	alwf_wi_history	3	work_item_id
alwf_work_item	alwf_workitem_routing	1	work_item_id
alwf_work_item	alco_audit_list	3	work_item_id
alwf_work_item	alwf_reviewer_list	1	work_item_id

alwf_workitem_routing

Table 1188: Attributes

Column	Type	Null	Description
workitem_routing_id	INTEGER	NOT NULL	
work_item_id	INTEGER	NOT NULL	PK
routing_type_id	INTEGER	NOT NULL	
change_timestamp	DATETIME	NULL	

Table 1189: Keys

Key Name	Key Type	Keys
PK452	Primary Key	workitem_routing_id

Table 1190: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alwf_work_item	alwf_workitem_routing	1	work_item_id
alco_routing_type	alwf_workitem_routing	1	routing_type_id

alwf_workload_state

Table 1191: Attributes

Column	Type	Null	Description
workload_state_id	INTEGER	NOT NULL	
group_id	INTEGER	NOT NULL	primary key
activity_id	INTEGER	NOT NULL	PK
last_reviewer_id	INTEGER	NULL	

Table 1192: Keys

Key Name	Key Type	Keys
PK277	Primary Key	workload_state_id
XIE01220101	Inversion Entry	group_id
XIE01220102	Inversion Entry	activity_id

Table 1193: Relationships

Parent Entity	Child Entity	Type	Foreign Keys
alco_group_defn	alwf_workload_state	1	group_id
alwf_activity	alwf_workload_state	1	activity_id
alwf_activity	alwf_wi_history	3	activity_id
alts_timesheet_profile	alts_timesheet	3	ts_profile_id