

IBM Unica Marketing Operations  
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## *System Schema*



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# 1 Accounts

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- uap\_account\_users
- uap\_act\_budget
- uap\_act\_msgboard
- uap\_act\_notify

## Account tables overview

The following tables contain information about accounts in IBM Unica Marketing Operations.

### uap\_accounts

This table holds the main accounts information.

Name	Datatype	Is PK	Null Option	Is FK	Description
account_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each account created.
account_code	string (100)	No	NOT NULL	No	Account Code/Integer.
account_desc	string (1024)	No	NULL	No	Account Description
src_account_id	integer	No	NULL	No	ID of the parent account
created_date	date	No	NULL	No	Time stamp the account was created. System generated.
created_by	integer	No	NULL	No	UserID of the user who created this account. System generated. Foreign key to uap_users.user_id

Name	Datatype	Is PK	Null Option	Is FK	Description
last_mod_date	date	No	NULL	No	Timestamp when the account was last modified. System generated.
modified_by	integer	No	NULL	No	User ID of the user who last modified this account. System generated. Foreign key to uap_users.user_id
sec_policy_id	integer	No	NULL	No	ID of the security policy for this account. Foreign key to uap_sec_policy.sec_policy_id
flag_enabled	string (1)	No	NULL	No	
account_name	string (255)	No	NULL	No	

## uap\_account\_hist

This table holds the main accounts information.

Name	Datatype	Is PK	Null Option	Is FK	Description
account_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each account created.
seq_no	integer	Yes	NOT NULL	No	
Descriptions	string (1024)	No	NULL	No	
user_id	integer	No	NULL	No	
last_mod_date	date	No	NULL	No	

## uap\_account\_users

Name	Datatype	Is PK	Null Option	Is FK	Description
account_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each account created.
user_id	integer	Yes	NOT NULL	No	
mem_type_id	integer	Yes	NOT NULL	No	

## uap\_act\_budget

Name	Datatype	Is PK	Null Option	Is FK	Description
account_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each account created.
budget_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each budget created.

## uap\_act\_msgboard

Name	Datatype	Is PK	Null Option	Is FK	Description
account_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each account created.
msg_id	integer	Yes	NOT NULL	No	
post_datetime	date	No	NULL	No	
user_id	integer	No	NULL	No	
msg_text	string (1024)	No	NULL	No	
recipients	string (512)	No	NULL	No	List of recipients if the message is emailed.

## uap\_act\_notify

Name	Datatype	Is PK	Null Option	Is FK	Description
event_type	integer	Yes	NOT NULL	No	
account_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each account created.
user_id	integer	Yes	NOT NULL	No	
delivery_mask	integer	No	NULL	No	

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- uap\_approval\_hist
- uap\_approver\_list
- uap\_appr\_role
- uap\_appr\_team\_role
- uap\_appr\_teams
- uap\_appr\_users
- uap\_appr\_usr\_role

## Approval tables overview

The following tables contain information about approvals, including history, notifications, responses, and approvers and their roles.

### uap\_approvals

This is the main table for storing information about approval processes created by users within IBM Unica Marketing Operations.

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each approval item created by a user



Name	Datatype	Is PK	Null Option	Is FK	Description
name	string (256)	No	NULL	No	Name of the approval process. Size of the field was changed to 256 for version 7.4.0.
description	string (1024)	No	NULL	No	Description of the approval
created_by	integer	No	NULL	No	User ID of the user who created this approval
create_date	date	No	NULL	No	Date that the approval was created
submit_date	date	No	NULL	No	Approval submitted date
approval_date	date	No	NULL	No	Approved date
completed_date	date	No	NULL	No	Approval Completed date
state_code	string (20)	No	NULL	No	Current state of the approval. Values: NOT_STARTED, IN_PROGRESS, ON_HOLD, COMPLETED, CANCELLED
src_object_id	integer	No	NULL	No	Project ID of the project that the approval was created in.
src_wf_step	integer	No	NULL	No	Workflow integer (ID) of the approval that the approval was linked to
src_object	string (20)	No	NULL	No	Source object type. Values: PROJECT or WORKFLOW
sec_policy_id	integer	No	NULL	No	Security policy ID of the security policy for this approval
status_code	string (20)	No	NULL	No	Current status of the approval. Values: PENDING, ACTIVE, FINISHED, SKIPPED
last_mod_date	date	No	NULL	No	Last modified date

## 2 - Approvals

Name	Datatype	Is PK	Null Option	Is FK	Description
method	integer	No	NULL	No	Method of the approval, whether it is "Simultaneous" with integer value 0 (all approvers approve at the same time) or "Sequential" with integer value 1 (approvers approve in sequence).
resubmit_count	integer	No	NULL	No	Integer of times this approval has been resubmitted.
disposition_all_docs	String(2)	No	NULL	No	"Y" is stored in this column for an option where the approval owner sets if all documents needs to be dispositioned by the reviewer before he can complete his review step. "N" if dispositioning of single document would also work. This column was added in version 7.5.
reapproval_rule	integer	No	NULL	No	101 -If approval rejected and then resubmitted, approval is processed by all approvers 102 - If approval rejected and then resubmitted, start process with the person who rejected 103 – If approval is edited / resubmitted, approval owner selects the approvers who need to re-approve. For standalone approvals value would be 103 by default. Note: Although we store 103 for standalone approvals, on the UI we show all approvers for re-submit with a flexibility where owner can un-check some of the approvers. This field would be set to 103 for all old approvals. This upgrade would be done using db scripts. This column was added in version 7.3.

Name	Datatype	Is PK	Null Option	Is FK	Description
enable_commts_ attchmnt	String(2)	No	NULL	No	Y / N If approver can add comments attachments while responding to the approval. This field would be set to Y for standalone approvals by default. This field would be set to "N" for old approvals. This upgrade would be handled using db scripts. This column was added in version 7.5.
Enable_markup	String(2)	No	NULL	No	For workflow approvals, this field would store the enable markup flag set from the approval setup in workflow definition. For standalone approvals, this field would store the value as Y / N as per plan wide enable mark up setting. For old approvals, this field would be set as per enable markup plan wide setting using planUpgrade.jsp. This column was added in version 7.5.
prj_owner_add_re m_approvers	String(2)	No	NULL	No	Y / N: Flag if project owner can add / remove approvers in the approval. This flag is used for workflow approvals only. It would be set from approval set up in workflow definition. For old workflow approvals this flag would be set to "Y" as old workflow approvals will not have any admin defined review steps. This upgrade would be done using db scripts. This column was added in version 7.5.
approval_start_d ate	date	No	NULL	No	This column was added in version 7.5.
approval_task_v iewed	String(2)	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
auto_complete	String(2)	No	NULL	No	Y / N: Flag for auto-completion of approval.
approval_type	integer	No	NULL	No	This column identifies budget and non-budget approvals. It was added in version 8.5.0. The following are valid values. <ul style="list-style-type: none"> <li>1 = non-budget approvals</li> <li>2 = budget approvals</li> </ul>

## uap\_appr\_commt\_attachment

New master table for comment attachment files added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	No	NOT NULL	Yes	Approval in response to whom this comment attachment was added. PK from uap_approvals.approval_id
seq_no	integer	No	NULL	No	Sequence number of the comment
appr_item_resp_id	integer	No	NULL	Yes	Approval item response id. PK from uap_appr_item_response.appr_item_resp_id
approval_item_seq	integer	No	NULL	Yes	Approval item in response to whom this comment attachment was added. PK from uap_appr_items
comment_file_id	integer	Yes	NOT NULL	No	Comments file Id
user_id	integer	No	NOT NULL	Yes	Approver user id who uploaded this comments file. PK from uap_user.user_id
create_date	date	No	NOT NULL	No	date of creation
orig_file_name	String(1024)	No	NOT NULL	No	original file name

Name	Datatype	Is PK	Null Option	Is FK	Description
orig_file_size	integer	No	NULL	No	Attachment file size
orig_file_mime	String(50)	No	NULL	No	Attachment file mime type

## uap\_appr\_item\_hist

Name	Datatype	Is PK	Null Option	Is FK	Comment
appr_item_seq	integer	Yes	NOT NULL	Yes	Sequence of an approval item. Foreign key to uap_appr_items.
approval_id	integer	Yes	NOT NULL	Yes	ID of an approval item. Foreign key to uap_approvals.
curr_item_seq	integer	Yes	NOT NULL	No	
Descriptions	string (1024)	No	NULL	No	
user_id	integer	No	NULL	Yes	Foreign key to uap_user.
role_order	integer	No	NULL	No	The order of the role in the approval (1 = first, 2 = second, etc.)

## uap\_appr\_item\_response

This new table would store the current response status of each item from each approver. This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
appr_item_resp_id	integer	Yes	NOT NULL	No	Approval item in response to whom this comment attachment was added
approval_id	integer	No	NOT NULL	Yes	Parent Approval. PK from uap_approval

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_item_seq	integer	No	NOT NULL	Yes	Approval item. PK from uap_appr_items. appr_item_seq
user_id	integer	No	NOT NULL	Yes	Approver user ID. PK from uap_user.user_id
status_code	String(20)	No	NULL	No	Response status for current approval item: null or blank /approve / approve w/ changes / deny
resp_comments	String(1024)	No	NULL	No	comments / feedback given by approver while responding to the approval item
resp_date	Datetime	No	NULL	No	response date

## uap\_appr\_items

This table contains information for individual approval items in an approval process.

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	ID of an approval item. Foreign key to uap_approvals.
appr_item_seq	integer	Yes	NOT NULL	No	Sequence of the item (identifier).
create_date	date	No	NULL	No	Date that the item was created.
notes	string (1024)	No	NULL	No	Notes about the item.
item_status	string (20)	No	NULL	No	Status of the item under review (whether or not it is archived). Valid values are ARCHIVED or null
user_id	integer	No	NULL	Yes	User who added the item to the approval process. Foreign key to uap_users.

Name	Datatype	Is PK	Null Option	Is FK	Description
orig_file_name	string (256)	No	NULL	No	Original file name of the uploaded file. Size of the field was changed to 256 for version 7.4.0.
markup_file_name	string (20)	No	NULL	No	Markup file name.
orig_file_size	string (10)	No	NULL	No	Size of the original file.
orig_file_mime	string (100)	No	NULL	No	MIME type of the original file.
last_mod_date	date	No	NULL	No	Date the item was last modified.
object_id	integer	No	NULL	Yes	For marketing objects, the ID of the object. Value is -1 for other objects. Foreign key to uap_mktgobject.mktg_object_id. This column was added in version 7.3.0.
object_type_id	integer	No	NULL	Yes	For marketing objects, the ID of the marketing object type. Value is -1 for other objects. Foreign key into uap_comp_type.comp_type_id. This column was added in version 7.3.0.
enable_markup	String(2)	No	NULL	No	Stores whether current approval item can be marked up (1) or not (0). This column was added in version 7.5.0.
linked_item_id	integer	No	NULL	No	The ID of the line item to which the approval item belongs. This column was added in version 8.5.0.

## uap\_appr\_msgboard

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	ID of an approval item. Foreign key to uap_approvals.
msg_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each message on the approval message board.
post_datetime	date	No	NOT NULL	No	Date the message was posted on the approval message board.
user_id	integer	No	NOT NULL	Yes	Unique ID of the user who posted the message. Foreign key to uap_user.
msg_text	string (1024)	No	NULL	No	Text of the message.
recipients	string (512)	No	NULL	No	List of recipients if the message is emailed.

## uap\_appr\_notify

Name	Datatype	Is PK	Null Option	Is FK	Description
event_type	integer	Yes	NOT NULL	No	
user_id	integer	Yes	NOT NULL	No	
approval_id	integer	Yes	NOT NULL	Yes	ID of an approval item. Foreign key to uap_approvals.
delivery_mask	integer	No	NULL	No	

## uap\_approval\_hist

This table contains data that tracks the history of approval events and actions.



Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each approval item created by a user. Foreign key to uap_approvals.approval_id
seq_no	integer	Yes	NOT NULL	No	Sequence (order) of the historical event
cur_state	string (20)	No	NULL	No	Current state of the approval process after the user completed the action/event. Values: WAITING, APPROVED, APPR_WITH_CHANGES, DENIED
comments	string (1024)	No	NULL	No	Comments that the user made at the time of the action/event
prev_state	string (20)	No	NULL	No	Previous state of the approval process before the user initiated the action/event. Values: WAITING, APPROVED, APPR_WITH_CHANGES, DENIED
last_mod_date	date	No	NULL	No	Time that the modification to the approval occurred
user_id	integer	No	NULL	No	User ID of the user who initiated the action/event to the approval. Foreign key to uap_users.user_id
on_behalf_user_id	integer	No	NULL	No	This column was added in version 7.4.0.

## 2 - Approvals

Name	Datatype	Is PK	Null Option	Is FK	Description
appr_item_seq	integer	No	NULL	Yes	appr_item_seq: From uap_appr_items. This field stores the approval item id. It is only updated in case of approver responds to individual items. Comment would be stored as: "Approval Item approved / denied / approved w/ changes". In case the row represents the approval item response, then cur_state and prev_state would represent the state of the approval item and not of overall approval. comment_file_id: Points to the comment attachments file for current item given in "appr_item_seq". This field is populated only when approver attaches a comments file in response to current approval item. PK from uap_appr_items
appr_item_resp_id	integer	No	NULL	Yes	Points to the item response row for current item given in "appr_item_seq." This is FK from uap_appr_item_response. Here the row in the history table points to the original item response tables row.
round_no	integer	No	NULL	No	When approval is added and started first time, re-submit count is 0. At this point the first round of approval starts. Later whenever the approval is re-submitted, the re-submit count is incremented and next round of approval starts hence round no = re-submit count + 1 . Here 1 is added to consider first round of approval

Name	Datatype	Is PK	Null Option	Is FK	Description
detailed_history	String	No	NULL	No	This field is updated when there is any change in reviewer step currently. This field is introduced as Clob so that any detailed history could be stored in this field later on.

## uap\_approver\_list

This table stores the lists of approvers (reviewers) of an approval process and other specific information concerning their instructions and responsibilities.

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each approval item created by a user. Foreign key to uap_approvals.approval_id
approver_seq	integer	Yes	NOT NULL	No	Sequence of the approval (identifier).
user_id	integer	No	NULL	Yes	User ID of the user. Foreign key to uap_users.user_id
appr_order	integer	No	NULL	No	Display order of users
required	string (1)	No	NULL	No	Whether the approver is required. Values: 'Y' if the approver is required; 'N' or null if not.
instructions	string (1024)	No	NULL	No	Instructions to an approver.
status_code	string (20)	No	NULL	No	This field would represent the overall approval status here onwards i.e. if approver completes his response using "Post Complete Response" button, that status would be updated here.

## 2 - Approvals

---

Name	Datatype	Is PK	Null Option	Is FK	Description
resp_date	date	No	NULL	No	Date on which complete response is posted.
team_id	integer	No	NULL	No	Team ID: value of -1 indicates the approver for this item is not a team. This column was added in version 7.4.0.
duration	String(20)	No	NOT NULL	No	Duration for each review step would be stored in this field. Old approvals, upgrade would be done using planUpgrade.jsp as follows: Find out the no of days using (target due date - creation/start date). If the approval method is simultaneous, duration is no of days itself. If approval method is sequential, then duration is (no of days / no of approvers). This column was added in version 7.5.
assign_type	integer	No	NULL	No	This field stores the assignment type for the admin defined review step. This field would be only used for workflow approval tasks For old approvals this field would be blank / null. 100 – Owner assigned, 101 – User / Team, 102 – Rule Driven are the possible values for admin defined steps. For standalone approvals & approver steps added by the owner on approval add page assignment type will be 0. This column was added in version 7.5.

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Name	Datatype	Is PK	Null Option	Is FK	Description
rule_id	integer	No	NULL	Yes	This column was added in version 7.5. This field points to the rule if assignment type is rule driven. This field would be only used for workflow approval tasks. For old approvals this field would be blank / null. PK from uap_tt_wf_rule.rule_id
role_id	integer	No	NULL	Yes	This field would store the reviewer role i.e. the role specified in review step. This field would be used only in case of workflow approval tasks. PK from uap_roles.role_id. Earlier roles were stored in uap_appr_usr_role & uap_appr_team_role tables. During 7.5 upgrade (planUpgrade.jsp), these would be copied into new field. Note*: Uap_appr_usr_role would continue to store the owner roles. It will not store reviewer roles 7.5 onwards. Only reviewer roles would be migrated to role_id.

## uap\_appr\_role

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	ID of an approval item. Foreign key to uap_approvals.
role_id	integer	Yes	NOT NULL	No	Approval Role ID
role_type	integer	No	NULL	No	Role Type

## uap\_appr\_team\_role

This table contains details about roles for team approvals. This table was added in version 7.4.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	ID of an approval item. Foreign key to uap_approvals.
team_id	integer	Yes	NOT NULL	Yes	Team ID
role_id	integer	Yes	NOT NULL	No	Approval Role ID
role_type	integer	Yes	NOT NULL	No	Role Type

## uap\_appr\_teams

This table was added in version 7.4.0 and contains details for team approvals.

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	Approval ID
team_id	integer	Yes	NOT NULL	Yes	Team ID
mem_type_id	integer	Yes	NOT NULL	Yes	

## uap\_appr\_users

This table contains information about the users who are participating in an approval process.

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each approval item created by a user. Foreign key to uap_approvals.approval_id
user_id	integer	Yes	NOT NULL	No	User ID of the user. Foreign key to uap_users.user_id

Name	Datatype	Is PK	Null Option	Is FK	Description
mem_type_id	integer	Yes	NOT NULL	No	Member type ID of the user in this approval process. Foreign key to uap_member_type.mem_type_id

## uap\_appr\_usr\_role

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each approval item created by a user
role_id	integer	Yes	NOT NULL	No	Approver Role Id
user_id	integer	Yes	NOT NULL	No	Approver User Id
role_type	integer	No	NULL	No	Role Type

# 3 Common Attachments

- Common attachment tables overview
- uap\_attach
- uap\_attach\_folder

## Common attachment tables overview

The following tables contain information about common attachments.

### uap\_attach

Name	Datatype	Is PK	Null Option	Is FK	Description
attach_id	integer	Yes	NOT NULL	No	
attach_folder_id	integer	Yes	NOT NULL	Yes	
parent_obj_id	integer	No	NOT NULL	No	
attach_orig_file	string (255)	No	NULL	No	
attach_note	string (1024)	No	NULL	No	
attach_size	string (100)	No	NULL	No	
attach_date	date	No	NULL	No	
mime_type	string (255)	No	NULL	No	
flag_mcm_item	string (1)	No	NULL	No	
item_id	integer	No	NULL	No	
item_version_seq	integer	No	NULL	No	
user_id	integer	No	NULL	No	



Name	Datatype	Is PK	Null Option	Is FK	Description
parent_obj_type	string (50)	No	NULL	No	Size of field changed to 50 for version 7.4.0.
enable	string (1)	No	NULL	No	Defines the markup state of an attachment for the Markup Anywhere feature. This column was added in version 7.3.

## uap\_attach\_folder

Name	Datatype	Is PK	Null Option	Is FK	Description
attach_folder_id	integer	Yes	NOT NULL	No	
parent_object_id	integer	No	NOT NULL	No	
parent_obj_type	string (50)	No	NOT NULL	No	Size of field changed to 50 for version 7.4.0.
folder_name	string (20)	No	NOT NULL	No	
parent_folder_id	integer	No	NOT NULL	No	


# 4 Financial Management

- Financial management tables overview
- uap\_budget\_allocation
- uap\_budget\_alloc\_version
- uap\_budget\_amt
- uap\_budget\_period
- uap\_budgets
- uap\_budget\_spend
- uap\_costitem\_ext\_col
- uap\_costitem\_ext\_col\_val
- uap\_parea\_budget
- uap\_plan\_budget
- uap\_prgrm\_budget
- uap\_prgrm\_cost
- uap\_proj\_budget
- uap\_proj\_cost
- uap\_tt\_budget\_rule
- uap\_quarters

## Financial management tables overview

The following tables store information about financial management, including plan, program, and project budgets. This section also contains information about budget line items and budget granularity.

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 For more information about financial management system tables in IBM Unica Marketing Operations, see the *Accounts* and *Invoices* chapters.

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## uap\_budget\_allocation

This table tracks allocations to various objects for different budget periods in different budget allocation versions. This table was added in version 8.2.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
budget_id	integer	Yes	NOT NULL	No	Budget ID of the object.
budget_alloc_version_id	integer	Yes	NOT NULL	Yes	Budget version to which this allocation belongs. FK reference to uap_budget_alloc_version, budget_alloc_version_id.
budget_period_id	integer	Yes	NOT NULL	Yes	The budget period for which this allocation is being made. FK reference to uap_budget_period, budget_period_id.
budget_amt	float	No	NULL	No	Signals if the budget is self assigned or comes from parent object.
alloc_amt	float	No	NULL	No	Represents the allocation made by an object to its child. This value would always be 0 when budget_amt and line_item_amt are populated.
line_item_amt	float	No	NULL	No	Represents the amount that an object reserves for its own usage out of its budgeted amount.

## alloc\_amt values example

💡 The *alloc\_amt* values are populated for child values of the object, but not for the object itself. For example, if the plan with *budget\_id* 101 and *version\_id* 121 has a child program with *budget\_id* as 105 and allocates 1000 to itself and 500 to the child program in all the quarters (107, 108, 109, 110) then the entries would be as follows.

budget_id	budget_alloc_version_id	budget_period_id	budget_amt	budget_amt	line_item_amt
101	121	107	1000	0	0
101	121	108	1000	0	0
101	121	109	1000	0	0

budget_id	budget_alloc_version_id	budget_period_id	budget_amt	budget_amt	line_item_amt
101	121	110	1000	0	0
105	121	107	0	500	0
105	121	108	0	500	0
105	121	109	0	500	0
105	121	110	0	500	0

## uap\_budget\_alloc\_version

This table was added in version 8.2.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
budget_alloc_version_id	integer	Yes	NOT NULL	No	Primary key for a budget allocation version.
owner_object_id	integer	No	NOT NULL	No	The plan, program, project id that owns this allocation version.
owner_object_type	varchar(50)	No	NOT NULL	No	The object type to which this allocation version belongs: project, program, plan.
fiscal_year	integer	No	NOT NULL	No	The fiscal year for which this version was created.
version_label	varchar(50)	No	NOT NULL	No	The name of the version as provided by the user.
state_code	varchar(20)	No	NOT NULL	No	Status of the version. <ul style="list-style-type: none"> <li>• NON_FINALIZED</li> <li>• ACTIVE</li> <li>• FINALIZED</li> </ul>
approved	integer	No	NULL	No	Indicates if this budget version is approved. Not used in 8.2.0; reserved for future usage.

Name	Datatype	Is PK	Null Option	Is FK	Description
created_date	datetime	No	NULL	No	Creation date of this version.
created_by	integer	No	NULL	No	ID of the user who created this version.
last_mod_date	datetime	No	NULL	No	Date of the last modification.
modified_by	integer	No	NULL	No	ID of the user who made the last modification.

## uap\_budget\_amt

Name	Datatype	Is PK	Null Option	Is FK	Description
week	integer	No	NOT NULL	No	If budget granularity is not set to week, the value is - 1. If the granularity is week, the value is an integer between 0 and 52, denoting the exact week in the fiscal year.
month	integer	Yes	NOT NULL	Yes	
quarter_id	integer	Yes	NOT NULL	Yes	
year	integer	Yes	NOT NULL	Yes	
budget_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each budget created.
forecast_amt	floating pt.	No	NULL	No	
committed_amt	floating pt.	No	NULL	No	
actual_amt	floating pt.	No	NULL	No	
budget_amt	floating pt.	No	NULL	No	
alloc_amt	floating pt.	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
line_item_amt	floating pt.	No	NULL	No	Used for line item allocations. This column was added in version 7.4.0.

## uap\_budget\_period

This table tracks of budget periods across financial year. This table was added in version 8.2.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
budget_period_id	integer	Yes	NOT NULL	No	Primary key for a budget period.
fiscal_year	integer	No	NOT NULL	No	The fiscal year.
quarter_id	integer	No	NOT NULL	No	The quarter of the fiscal year; if budget granularity is quarterly, valid values are 0, 1, 2, and 3. If the granularity is not quarterly, the value is -1.
month	integer	No	NOT NULL	No	The month of the fiscal year; if budget granularity is monthly, valid values are 0 through 11. If the granularity is not monthly, the value is -1.
week	integer	No	NOT NULL	No	The week of the fiscal year; if budget granularity is weekly, valid values are 0 through 52. If the granularity is not weekly, the value is -1.
period_granularity	integer	No	NOT NULL	No	The flag denoting the period granularity. <ul style="list-style-type: none"> <li>0 = quarterly</li> <li>1 = monthly</li> <li>2 = weekly</li> </ul>

💡 quarter\_id, month and week values denote the relative values within a fiscal year, so a month value of 0 does not necessarily mean January. A month value of 0 indicates the first month of the fiscal year. The quarter, month, and week representations in this table are relative and not the absolute calendar values.

## uap\_budgets

In general, an object's Budget is a collection of budget amounts for a given time period. An account has budgets on a monthly basis, while plans/programs/projects have quarterly budgets. This table contains all budgets across the system (for accounts, plans, programs, and projects).

Name	Datatype	Is PK	Null Option	Is FK	Description
budget_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each budget created.
budget_period	string (20)	No	NULL	No	Internal description of the budget period.
created_date	date	No	NULL	No	Timestamp when the account was created. System generated.
created_by	integer	No	NULL	No	UserID of the user who created this account. System generated. Foreign key to uap_users.user_id
last_mod_date	date	No	NULL	No	Timestamp when the account was last modified. System generated.
modified_by	integer	No	NULL	No	User ID of the user who last modified this account. System generated. Foreign key to uap_users.user_id

## uap\_budget\_spend

This table tracks committed, forecasted, and actual spending. This table was added in version 8.2.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
budget_id	integer	Yes	NOT NULL	No	The budget_id of the object for which the spending amount is being tracked.
budget_period_id	integer	Yes	NOT NULL	Yes	The budget_period to which this spending can be attributed. FK reference to uap_budget_period, budget_period_id.
forecast_amt	floating pt.	No	NULL	No	Predicted spending incurred going forward.
committed_amt	floating pt.	No	NULL	No	Represents the amounts committed to be spent.
actual_amt	floating pt.	No	NULL	No	Funds already spent.

## uap\_costitem\_ext\_col

This table stores information about additional text-only columns that template administrators add to the Budget tab line item tables for programs and projects. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
ext_col_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for this column.
name	string (150)	No	NOT NULL	No	Label of the column.
status	integer	No	NOT NULL	No	Flag for whether the column is enabled. The following values are valid: 1 Enabled 2 Disabled

## uap\_costitem\_ext\_col\_val

This table stores the values that users enter in any additional text-only columns that template administrators have added to the Budget tab line item tables for programs or projects. Values entered in the standard columns of line item tables are stored in either the `uap_proj_cost_item` or `uap_prgm_cost_item` table.



Name	Datatype	Is PK	Null Option	Is FK	Description
object_type	string (10)	Yes	NOT NULL	No	Type of object that contains the additional column. The possible valid values are <code>program</code> and <code>project</code> .
object_id	integer	Yes	NOT NULL	No	Unique identifier for a program or project.
cost_item_id	integer	Yes	NOT NULL	Yes	Unique identifier for a row in the line items table. Foreign key to <code>uap_proj_cost</code> or <code>uap_prgm_cost</code> .
version_id	integer	Yes	NOT NULL	Yes	Version ID. Foreign key to <code>uap_proj_cost</code> or <code>uap_prgm_cost</code> .
ext_col_id	integer	Yes	NOT NULL	Yes	Unique identifier for the additional column. Foreign key to <code>uap_costitem_ext_col</code> .
value	string (150)	No	NOT NULL	No	Value that was entered by the user in the column.

## uap\_parea\_budget

Name	Datatype	Is PK	Null Option	Is FK	Description
budget_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each budget created.
plan_parea_id	integer	Yes	NOT NULL	No	
budget_total	floating pt.	No	NULL	No	
forecast_total	floating pt.	No	NULL	No	
actual_total	floating pt.	No	NULL	No	
committed_total	floating pt.	No	NULL	No	
finalized_date	date	No	NULL	No	

## uap\_plan\_budget

Name	Datatype	Is PK	Null Option	Is FK	Description
budget_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each budget created.
plan_id	integer	Yes	NOT NULL	No	
budget_total	floating pt.	No	NULL	No	
forecast_total	floating pt.	No	NULL	No	
actual_total	floating pt.	No	NULL	No	
committed_total	floating pt.	No	NULL	No	
finalized_date	date	No	NULL	No	
alloc_total	floating pt.	No	NULL	No	

## uap\_prgrm\_budget

Name	Datatype	Is PK	Null Option	Is FK	Description
budget_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each budget created.
Program_id	integer	Yes	NOT NULL	No	
budget_total	floating pt.	No	NULL	No	
Forecast_total	floating pt.	No	NULL	No	
actual_total	floating pt.	No	NULL	No	
committed_total	floating pt.	No	NULL	No	
finalized_date	date	No	NULL	No	
alloc_total	integer	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
line_item_total	floating pt.	No	NULL	No	This column was added in version 7.4.0.

## uap\_prgrm\_cost

Name	Datatype	Is PK	Null Option	Is FK	Description
program_id	integer	Yes	NOT NULL	No	
cost_item_id	integer	Yes	NOT NULL	No	
version_id	integer	Yes	NOT NULL	No	
cost_item_no	integer	No	NULL	No	
cost_item_desc	string (100)	No	NULL	No	
account_id	integer	No	NULL	Yes	Unique ID generated by the system for each account created.
account_code	string (100)	No	NULL	No	
forecast_amt	floating pt.	No	NULL	No	
committed_amt	floating pt.	No	NULL	No	
expenditure_date	date	No	NULL	No	
created_date	date	No	NULL	No	
created_by	integer	No	NULL	No	
last_mod_date	date	No	NULL	No	
modified_by	integer	No	NULL	No	
cost_cat_id	integer	No	NULL	No	
cost_cat_code	string (100)	No	NULL	No	
approval_id	integer	No	NULL	No	The ID of the approval associated with the line item. This column was added in 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_status	string(20)	No	NULL	No	The status of the approval associated with the line item. This column was added in 8.5.0.
line_item_update d	integer	No	NULL	No	A flag to identify updated line items in the edit session. This column was added in 8.5.0. The following are valid values.  1 = the line item is updated  0 = the line item is finalized; not updated  -1 = the line item is upgraded

## uap\_proj\_budget

Name	Datatype	Is PK	Null Option	Is FK	Description
budget_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each budget created.
project_id	integer	Yes	NOT NULL	No	
budget_total	floating pt.	No	NULL	No	
forecast_total	floating pt.	No	NULL	No	
actual_total	floating pt.	No	NULL	No	
committed_total	floating pt.	No	NULL	No	
finalized_date	date	No	NULL	No	

## uap\_proj\_cost

Name	Datatype	Is PK	Null Option	Is FK	Description
project_id	integer	Yes	NOT NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
cost_item_id	integer	Yes	NOT NULL	No	
version_id	integer	Yes	NOT NULL	No	
line_item_id	integer	No	NOT NULL	No	A new column added in the 8.2.0.2 patch to uniquely identify line items.
cost_item_no	integer	No	NULL	No	
account_id	integer	No	NULL	Yes	Unique ID generated by the system for each account created.
account_code	string (100)	No	NULL	No	
forecast_amt	floating pt.	No	NULL	No	
committed_amt	floating pt.	No	NULL	No	
expenditure_date	date	No	NULL	No	
created_date	date	No	NULL	No	
created_by	integer	No	NULL	No	
last_mod_date	date	No	NULL	No	
modified_by	integer	No	NULL	No	
cost_cat_id	integer	No	NULL	No	
cost_cat_code	string (100)	No	NULL	No	
cost_item_desc	string (100)	No	NULL	No	
approval_id	integer	No	NULL	No	The ID of the approval associated with the line item. This column was added in 8.5.0.
approval_status	string(20)	No	NULL	No	The status of the approval associated with the line item. This column was added in 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
line_item_updated	integer	No	NULL	No	<p>A flag to identify updated line items in the edit session. This column was added in 8.5.0. The following are valid values.</p> <p>1 = the line item is updated</p> <p>0 = the line item is finalized; not updated</p> <p>-1 = the line item is upgraded</p>

## uap\_tt\_budget\_rule

The table was added newly in IBM Unica Marketing Operations 8.5.0 to support budget approvals. The table holds the budget rules defined in the object templates.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	No	NOT NULL	No	The ID of the template in which the approval rule is defined.
rule_id	integer	No	NOT NULL	No	The ID of the rule created in the rules table.

## uap\_quarters

Name	Datatype	Is PK	Null Option	Is FK	Description
quarter_id	integer	Yes	NOT NULL	No	
year	integer	Yes	NOT NULL	No	
month	integer	Yes	NOT NULL	No	
description	string (100)	No	NULL	No	

# 5 Grids

- [Grid tables overview](#)
- [uap\\_user\\_grid\\_pref](#)
- [uap\\_user\\_tvc\\_columns](#)
- [uap\\_user\\_tvc\\_pref](#)

## Grid tables overview

The following tables store information about grids.

### uap\_user\_grid\_pref

This table stores user preferences for the editable grid component. This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Comment
user_id	integer	Yes	NOT NULL	Yes	User ID of the user that stored the preferences. Primary key from uap_user.
form_id	integer	Yes	NOT NULL	Yes	Form ID of the form holding the grid. Primary key from uap_tt_map.
tvc_id	string (255)	Yes	NOT NULL	No	TVC ID distinguishes among multiple grids on the same form.
pref_mode	string (10)	No	NOT NULL	No	The mode for which preferences were saved. Possible values are <code>view</code> and <code>edit</code> but as of 7.5 only view mode preferences can be saved.

Name	Datatype	Is PK	Null Option	Is FK	Comment
pref_value	string	No	NULL	No	The CLOB column holding the user preferences value. The user preferences values is stored as XML.

## uap\_user\_tvc\_columns

This table was added in version 7.3.

Name	Datatype	Is PK	Null Option	Is FK	Comment
ref_id	integer	Yes	NOT NULL	No	
tvc_column_id	string (255)	Yes	NOT NULL	No	
order_index	integer	No	NOT NULL	No	
visible	string (1)	No	NULL	No	

## uap\_user\_tvc\_pref

This table was added in version 7.3.

Name	Datatype	Is PK	Null Option	Is FK	Comment
pref_id	integer	Yes	NOT NULL	No	
user_id	integer	No	NOT NULL	No	
form_id	integer	No	NOT NULL	No	
tvc_id	string (255)	No	NOT NULL	No	
group_by	string (255)	No	NULL	No	
sort_by	string (255)	No	NULL	No	
sort_order	integer	No	NULL	No	



# 6 IBM Unica Campaign Integration

- Integration tables overview
- lkup\_flowchart\_run\_type\_en\_us
- uap\_campaign\_offer\_ref
- uap\_campaign\_offers
- uap\_campaign\_std\_attributes
- uap\_deleted\_tcs\_rows
- uap\_offer\_attributes
- uap\_tt\_offer\_template

## Integration tables overview

The following tables store information about integrating IBM Unica Marketing Operations with IBM Unica Campaign.

Custom campaign attributes are stored in the dynamic tables created for the forms that contain the attributes. Information about the Target Cell Spreadsheet is stored in the dynamic table specified by the template creator while creating the TCS.

## lkup\_flowchart\_run\_type\_en\_us

This table stores the en\_us display text for each run type received from IBM Unica Campaign. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
run_type_id	integer	Yes	NOT NULL	No	Unique identifier for the run type.
run_type_value	string (30)	No	NOT NULL	No	Internal name for the run type.
run_type_text	string (30)	No	NOT NULL	No	Localized display text for the run type.

## uap\_campaign\_offer\_ref

This table is the junction table between the offer assigned to a row in the Target Cell Spreadsheet and the uap\_campaign\_offers table.

Name	Datatype	Is PK	Null Option	Is FK	Description
dest_offer_gen_id	integer	No	NULL	No	Unique Gen ID of the offer. Refers to the uap_campaign_offers table.
src_project_id	integer	No	NULL	No	Unique identifier of the source project.
grid_row_id	integer	No	NULL	No	Unique identifier of the row in the TCS for which the offer is assigned.

## uap\_campaign\_offers

This table stores information about offers and offer lists coming from IBM Unica Campaign. The table is populated when a user selects one or more offers from the offer popup in the Target Cell Spreadsheet and saves the changes. The table is updated when the TCS is published if the publish TCS call returns an updated name for an offer or offer list. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
offer_gen_id	integer	Yes	NOT NULL	No	Unique identifier generated by Marketing Operations for the offer.
uac_offer_id	integer	No	NULL	No	Unique identifier of the offer in Campaign
offer_name	string (200)	No	NULL	No	Name of the offer.
offer_code	string (50)	No	NULL	No	Code of the offer.
offer_type	integer	No	NULL	No	Type of offer: offer or offer list.
partition_id	string(50)	No	NULL	No	Stores the partition of the selected offer.

## uap\_campaign\_std\_attributes

This table stores the values for the default campaign attributes for each campaign project. The table does not have the campaign name or campaign code, which are identical to the project name and project code. (Project name and project code are stored in the table uap\_projects.)

Name	Datatype	Is PK	Null Option	Is FK	Description
project_id	integer	Yes	NOT NULL	Yes	Unique identifier for the campaign project. Foreign key to uap_projects.
description	string (1024)	No	NULL	No	Description of the campaign.
start_date	datetime	No	NULL	No	Start date of the campaign.
end_date	datetime	No	NULL	No	End date of the campaign.
objective	string (1024)	No	NULL	No	Objective of the campaign.
initiative	string (255)	No	NULL	No	Initiative of the campaign.
security_policy_id	integer	No	NULL	No	Unique identifier of the security policy for the campaign.
security_policy_name	string (50)	No	NULL	No	Name of the security policy for the campaign.
campaign_guid					This column is populated after the linked campaign is created in Unica Campaign. The value is returned by Unica Campaign.

## uap\_deleted\_tcs\_rows

This table stores the cell IDs of published rows in a Target Cell Spreadsheet that have been deleted since the TCS was last published. The next time the TCS is published, IBM Unica Marketing Operations sends the rows in this table for that project to IBM Unica Campaign for deletion. If the deletion is successful, Marketing Operations then deletes those rows from this table.

This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
uap_tcs_cell_id	integer	Yes	NOT NULL	No	Identifier for the deleted cell in the TCS.
uap_project_id	integer	Yes	NOT NULL	No	Unique identifier for the project that contains the TCS.

## uap\_offer\_attributes

This table holds the standard offer attributes associated with an offer created in IBM Unica Marketing Operations. It was created in version 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
mktg_object_id	integer	Yes	NOT NULL	No	The internal ID of the marketing object assigned to the offer.
campaign_sec_policy_id	integer	No	NOT NULL	No	The ID of the IBM Unica Campaign security policy assigned to the offer.
campaign_sec_policy_name	string (50)	No	NOT NULL	No	The name of the IBM Unica Campaign security policy assigned to the offer.
offer_code_1	string (40)	No	NULL	No	Offer code one.
offer_code_2	string (40)	No	NULL	No	Offer code two.
offer_code_3	string (40)	No	NULL	No	Offer code three.
offer_code_4	string (40)	No	NULL	No	Offer code four.
offer_code_5	string (40)	No	NULL	No	Offer code five.
campaign_offer_id	big integer	No	NULL	No	The ID assigned to the offer by IBM Unica Campaign.
is_approved	integer	No	NULL	No	A flag which specifies whether or not the offer is approved.

## uap\_tt\_offer\_template

This table holds the offer attributes associated with an offer template in IBM Unica Marketing Operations. It was created in version 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	No	This column specifies the offer template ID.
offer_code_form_at_1	string (32)	No	NULL	No	Offer code format one.
offer_code_form_at_2	string (32)	No	NULL	No	Offer code format two.
offer_code_form_at_3	string (32)	No	NULL	No	Offer code format three.
offer_code_form_at_4	string (32)	No	NULL	No	Offer code format four.
offer_code_form_at_5	string (32)	No	NULL	No	Offer code format five.
treatment_code	string (50)	No	NULL	No	The offer treatment code.
treatment_code_gen_class	string (50)	No	NULL	No	The treatment code generator for the offer template.
template_published	string (1)	No	NULL	No	A flag specifying whether or not the template is published. <ul style="list-style-type: none"> <li>• Y = yes</li> <li>• N = no</li> </ul>
offer_code_pid_class	string (50)	No	NULL	No	The offer code generator for the offer template.
campaign_security_id	integer	No	NULL	No	The ID of the IBM Unica Campaign security policy assigned to the offer template.
campaign_security_name	string (50)	No	NULL	No	The name of the IBM Unica Campaign security policy assigned to the offer template.

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<b>Name</b>	<b>Datatype</b>	<b>Is PK</b>	<b>Null Option</b>	<b>Is FK</b>	<b>Description</b>
campaign_template_id	big integer	No	NULL	No	The ID assigned to the template in IBM Unica Campaign.

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# 7 Invoices

- Invoice tables overview
- uap\_invoices
- uap\_invoice\_hist
- uap\_invoice\_items
- uap\_inv\_msgboard
- uap\_inv\_notify
- uap\_inv\_rollup
- uap\_invoice\_users

## Invoice tables overview

The following tables contain information about invoices.

### uap\_invoices

This is the main table for storing invoice summary details.

Name	Datatype	Is PK	Null Option	Is FK	Description
invoice_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each invoice created.
invoice_no	string (50)	No	NULL	No	Invoice number entered by the user in the GUI.
vendor_id	integer	No	NULL	No	
Row_2_Column_1	Row_2_Column_2	No	NULL	No	
po_no	string (50)	No	NULL	No	Purchase order number entered in the GUI.
due_date	date	No	NULL	No	Invoice due date, entered by the user.

## 7 - Invoices

Name	Datatype	Is PK	Null Option	Is FK	Description
status_code	string (20)	No	NULL	No	
state_code	string (20)	No	NULL	No	The current state of the invoice. Values: DRAFT, PAYABLE, PAID, CANCELLED
submit_date	date	No	NULL	No	Invoice submitted date, entered by the user.
created_by	integer	No	NULL	No	User ID of the user who created this invoice. System will update this value. Foreign key to uap_users.user_id
created_date	date	No	NULL	No	Invoice created date and time. System will update this value.
last_mod_date	date	No	NULL	No	Invoice last modified date (including invoice line item). System will update this value.
modified_by	integer	No	NULL	No	User ID of the user who last modified this invoice (including invoice line items). System will update this value.
notes	string (1024)	No	NULL	No	
payment_terms	string (1024)	No	NULL	No	
invoice_amount	floating pt.	No	NULL	No	
payable_date	date	No	NULL	No	
paid_date	date	No	NULL	No	
sec_policy_id	integer	No	NULL	No	



## uap\_invoice\_hist

Name	Datatype	Is PK	Null Option	Is FK	Description
invoice_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each invoice created.
seq_no	integer	Yes	NOT NULL	No	
cur_state	string (20)	No	NULL	No	
Descriptions	string (1024)	No	NULL	No	
prev_state	string (20)	No	NULL	No	
last_mod_date	date	No	NULL	No	
user_id	integer	No	NULL	No	

## uap\_invoice\_items

This table stores all invoice line items.

Name	Datatype	Is PK	Null Option	Is FK	Description
src_obj_type	string (20)	No	NULL	No	Invoice item source object type. Values: PROJECT, PROGRAM
src_obj_id	integer	No	NULL	Yes	Invoice source object internal ID. Foreign key to uap_project.project_id or uap_programs.program_id, depending on whether the entry is a Project or a Program.
src_obj_code	string (100)	No	NULL	No	Invoice source object code. Values: Match values from uap_projects.project_code and uap_programs.program_code columns (depending on whether the invoice item source object is a Project or Program).

## 7 - Invoices

Name	Datatype	Is PK	Null Option	Is FK	Description
account_id	integer	No	NULL	Yes	Account internal ID. Foreign Key to uap_accounts.account_id
account_code	string (100)	No	NULL	No	Account code. Values: Match values from ap_accounts.account_code column.
cost_cat_id	integer	No	NULL	Yes	Cost Category internal ID. Foreign Key to uap_cost_cat.cost_cat_id
cost_cat_code	string (100)	No	NULL	No	Cost Category code. Values: Match values from the uap_cost_cat.cost_cat_code column.
quantity	integer	No	NULL	No	Quantity
unit_cost	floating pt.	No	NULL	No	Item unit cost.
item_cost	floating pt.	No	NULL	No	Item total cost.
approval_id	integer	No	NULL	No	The ID of the approval associated with the line item. This column was added in 8.5.0.
approval_status	string(20)	No	NULL	No	The status of the approval associated with the line item. This column was added in 8.5.0.
line_item_updated	integer	No	NULL	No	A flag to identify updated line items in the edit session. This column was added in 8.5.0. The following are valid values.  1 = the line item is updated  0 = the line item is finalized; not updated  -1 = the line item is upgraded

## uap\_inv\_msgboard

Name	Datatype	Is PK	Null Option	Is FK	Description
invoice_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each invoice created.
msg_id	integer	Yes	NOT NULL	No	
post_datetime	date	No	NULL	No	
user_id	integer	No	NULL	No	
msg_text	string (1024)	No	NULL	No	
recipients	string (512)	No	NULL	No	List of recipients if the message is emailed.

## uap\_inv\_notify

Name	Datatype	Is PK	Null Option	Is FK	Description
event_type	integer	Yes	NOT NULL	No	
user_id	integer	Yes	NOT NULL	No	
invoice_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each invoice created.
delivery_mask	integer	No	NULL	No	

## uap\_inv\_rollup

Name	Datatype	Is PK	Null Option	Is FK	Description
invoice_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each invoice created.

## uap\_invoice\_users

This table stores all of the users who are participating in the invoice.

Name	Datatype	Is PK	Null Option	Is FK	Description
invoice_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each invoice created. Indicates the invoice the user is participating in. Foreign Key to uap_invoices.invoice_id
user_id	integer	Yes	NOT NULL	No	User ID of the user. Foreign Key to uap_users.user_id.
mem_type_id	integer	Yes	NOT NULL	No	Member type ID of the user for this invoice. Foreign key to uap_member_type.mem_type_id

# 8 Managed Lists

- Managed list tables overview
- uap\_managed\_list
- uap\_ml\_bus\_area
- uap\_ml\_cost\_cat
- uap\_ml\_milestone
- uap\_ml\_roles
- uap\_ml\_vendor

## Managed list tables overview

The following tables contain information about managed lists.

### uap\_managed\_list

Name	Datatype	Is PK	Null Option	Is FK	Description
list_id	integer	Yes	NOT NULL	No	
list_name	string (255)	No	NULL	No	
list_code	string (20)	No	NULL	No	
list_table	string (50)	No	NULL	No	
key_column	string (50)	No	NULL	No	
description	string (1024)	No	NULL	No	
flag_code_first	string (1)	No	NULL	No	

## uap\_ml\_bus\_area

Name	Datatype	Is PK	Null Option	Is FK	Description
bus_area_id	integer	Yes	NOT NULL	No	
name	string (255)	No	NULL	No	
code	string (50)	No	NULL	No	
display	string (1024)	No	NULL	No	
display_no	integer	No	NULL	No	
flag_enabled	string (1)	No	NULL	No	

## uap\_ml\_cost\_cat

Name	Datatype	Is PK	Null Option	Is FK	Description
cost_cat_id	integer	Yes	NOT NULL	No	
name	string (255)	No	NULL	No	
code	string (50)	No	NULL	No	
display	string (1024)	No	NULL	No	
display_no	integer	No	NULL	No	
flag_enabled	string (1)	No	NULL	No	

## uap\_ml\_milestone

This table was added in version 8.1.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
milestone_id	integer	Yes	NOT NULL	No	Primary key for milestone entry.
code	string (50)	No	NULL	No	User defined code for the milestone.

Name	Datatype	Is PK	Null Option	Is FK	Description
name	string (255)	No	NULL	No	Name of the milestone.
display	string (305)	No	NULL	No	Display format of the milestone: name-code or code-name.
display_no	integer	No	NULL	No	Sequence number.
flag_enabled	string(1)	No	NULL	No	1 = enabled; 0 = disabled.

## uap\_ml\_roles

Name	Datatype	Is PK	Null Option	Is FK	Description
role_id	integer	Yes	NOT NULL	No	Unique Id generated by the system for resource role type
name	string (255)	No	NULL	No	Resource Name
code	string (50)	No	NULL	No	Resource Code
display	string (1024)	No	NULL	No	resource display name
display_no	integer	No	NULL	No	Display Order
flag_enabled	string (1)	No	NULL	No	Value = 'Y' if this resource type is enabled. Value = 'N' if this resource type is disabled

## uap\_ml\_vendor

Name	Datatype	Is PK	Null Option	Is FK	Description
vendor_id	integer	Yes	NOT NULL	No	
name	string (255)	No	NULL	No	
code	string (50)	No	NULL	No	
display	string (1024)	No	NULL	No	

## 8 - Managed Lists

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<b>Name</b>	<b>Datatype</b>	<b>Is PK</b>	<b>Null Option</b>	<b>Is FK</b>	<b>Description</b>
display_no	integer	No	NULL	No	
flag_enabled	string (1)	No	NULL	No	



# 9 Marketing Content Management

- Marketing content management tables overview
- umcm\_content\_file
- umcm\_folders
- umcm\_item\_content
- umcm\_item\_hist
- umcm\_item\_files
- umcm\_item\_notify
- umcm\_item\_users
- umcm\_items
- uap\_mcm\_annotations
- uap\_mcm\_attachments
- uap\_mcm\_coordinates
- uap\_mcm\_scribble

## Marketing content management tables overview

The following tables contain information about marketing content management. These tables represent IBM Unica Marketing Operations assets (Digital Asset Management functionality).

### umcm\_content\_file

Name	Datatype	Is PK	Null Option	Is FK	Description
file_id	integer	Yes	NOT NULL	No	
file_type	integer	No	NULL	No	
mime_type	string (255)	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
file_name	string (255)	No	NULL	No	
file_size	string (20)	No	NULL	No	
created_datetime	date	No	NULL	No	

## umcm\_folders

Name	Datatype	Is PK	Null Option	Is FK	Description
folder_id	integer	Yes	NOT NULL	No	
folder_name	string (255)	No	NULL	No	
folder_desc	string (1024)	No	NULL	No	
parent_folder_id	integer	No	NULL	No	
folder_status	string (20)	No	NULL	No	
sec_policy_id	integer	No	NULL	Yes	

## umcm\_item\_content

Name	Datatype	Is PK	Null Option	Is FK	Description
item_id	integer	Yes	NOT NULL	Yes	
item_version_seq	integer	Yes	NOT NULL	No	
item_desc	string (1024)	No	NULL	No	
version_label	string (50)	No	NULL	No	
item_keywords	string (255)	No	NULL	No	
created_user_id	integer	No	NULL	No	
create_datetime	date	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
last_mod_user_id	integer	No	NULL	No	
last_mod_datetime	date	No	NULL	No	
expiration_date	date	No	NULL	No	
version_name	string (255)	No	NULL	No	
version_status	string (20)	No	NULL	No	
item_instructions	string (1024)	No	NULL	No	

## umcm\_item\_hist

Name	Datatype	Is PK	Null Option	Is FK	Description
seq_no	integer	Yes	NOT NULL	No	
item_id	integer	Yes	NOT NULL	Yes	
prev_status	string (20)	No	NULL	No	
curr_status	string (20)	No	NULL	No	
Descriptions	string (1024)	No	NULL	No	
last_mod_date	date	No	NULL	No	
user_id	integer	No	NULL	No	
item_version_seq	integer	No	NULL	No	

## umcm\_item\_files

Name	Datatype	Is PK	Null Option	Is FK	Description
item_id	integer	Yes	NOT NULL	Yes	
item_version_seq	integer	Yes	NOT NULL	Yes	

Name	Datatype	Is PK	Null Option	Is FK	Description
file_id	integer	Yes	NOT NULL	Yes	

## umcm\_item\_notify

Name	Datatype	Is PK	Null Option	Is FK	Description
event_type	string (18)	Yes	NOT NULL	No	
user_id	string (18)	Yes	NOT NULL	No	
item_id	integer	Yes	NOT NULL	Yes	
delivery_mask	integer	No	NULL	No	

## umcm\_item\_users

Name	Datatype	Is PK	Null Option	Is FK	Description
item_id	integer	Yes	NOT NULL	Yes	
item_version_seq	integer	Yes	NOT NULL	Yes	
mem_type_id	integer	Yes	NOT NULL	Yes	
user_id	integer	Yes	NOT NULL	Yes	FK to uap_users.user_id

## umcm\_items

Name	Datatype	Is PK	Null Option	Is FK	Description
item_id	integer	Yes	NOT NULL	No	
item_name	string (256)	No	NULL	No	Size of the field was changed to 256 for version 7.4.0.
item_versions	integer	No	NULL	No	
item_cr_datetime	date	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
last_mod_dateti me	date	No	NULL	No	
parent_folder_pa th	string(1024)	No	NULL	Yes	
folder_id	integer	No	NULL	Yes	
item_code	string (20)	No	NULL	No	
asset_legacy_ind	integer	No	NOT NULL	No	Added in version 8.1.0 to support identification of legacy and current assets.

## uap\_mcm\_annotations

This table stores attributes common to all types of annotations. This table was added in version 7.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
annotation_id	integer	Yes	NOT NULL	No	ID of the annotation.
author	integer	No	NOT NULL	Yes	User ID of plan user who created the annotation. PK from uap_user.
body	string	No	NOT NULL	No	The text of the annotation.
coordinate_id	integer	No	NOT NULL	Yes	The positioning of this annotation. PK from uap_mcm_coordinates.
heading	string	No	NOT NULL	No	The title of the annotation.
created_date	Datetime	No	NOT NULL	No	The date that the annotation was created.
last_modified	Datetime	No	NULL	No	The last date on which the annotation was modified.
last_modified_us er	integer	No	NULL	Yes	The user ID of person who last modified the annotation. PK from uap_user.

Name	Datatype	Is PK	Null Option	Is FK	Description
last_updated_desc	string	No	NULL	No	
active	integer	No	NOT NULL	No	A filter criteria. <ul style="list-style-type: none"> <li>• 0=Archived</li> <li>• 1=Active</li> </ul>
mcm_source_id	string	No	NOT NULL	No	The approval_id + document_id + page no. Each page of the document is a source and can have annotations.
parent_id	integer	No	NOT NULL	No	Annotations can have a hierarchy of nested replies. Each reply points to its parent. The value is -1 for the first (topmost) annotation.
top_most_parent_id	integer	No	NOT NULL	No	This column points to the topmost parent invitation. It is useful to identify all the nested replies of an annotations at the same time, for example, if you need to delete them. The value is -1 for the first (topmost) annotation.
annotation_type	integer	No	NOT NULL	No	<ul style="list-style-type: none"> <li>• Note = 1</li> <li>• Scribble = 2</li> </ul>

## uap\_mcm\_attachments

Table stores the attachments linked to annotations. Even replies can have attachments. This table was added in version 7.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
Attachment_id	integer	Yes	NOT NULL	No	The ID of the attachment.
Content_type	String	No	NULL	No	The MIME type of the attachment.
Original_file_name	String	No	NULL	No	The original name of the uploaded file.

Name	Datatype	Is PK	Null Option	Is FK	Description
Annotation_id	integer	No	NULL	Yes	The annotation to which this attachment belongs. PK from uap_mcm_annotations.

## uap\_mcm\_coordinates

This table stores the coordinates of annotations that can be positioned. It was added in version 7.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
coordinate_id	integer	Yes	NOT NULL	No	The ID of the coordinate.
X	Float	No	NOT NULL	No	The X coordinate.
Y	Float	No	NOT NULL	No	The Y coordinate.
Tau	Float	No	NOT NULL	No	For three-dimensional positioning; this column is not used currently.

## uap\_mcm\_scribble

This table stores the strokes for annotations of the type scribble (free draw). This table was added in version 7.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
scribble_id	integer	Yes	NOT NULL	No	The ID of the scribble.
Sigma	String	No	NULL	No	The strokes of the free drawing as a string containing a series of coordinates.
Annotation_id	integer	No	NOT NULL	Yes	The annotation to which this scribble belongs. PK from uap_mcm_annotations.

# 10 Marketing Objects

- Marketing object tables overview
- uap\_comp\_ref
- uap\_comp\_type
- uap\_mktgobject
- uap\_mo\_hist
- uap\_mo\_msgboard
- uap\_mo\_notify
- uap\_mo\_users
- uap\_ref\_instance
- uap\_ref\_meta
- uap\_relation\_type

## Marketing object tables overview

The following tables contain information about marketing objects in IBM Unica Marketing Operations.

All of the tables in this section were added in version 7.3.0.

### uap\_comp\_ref

This table contains details about marketing objects that are referenced in other objects (projects or other marketing objects). It contains a row for each reference relationship between any two objects.

Name	Datatype	Is PK	Null Option	Is FK	Description
relation_type_id	integer	Yes	NOT NULL	Yes	Foreign key to uap_relation_type. The following are valid values: 1 = Modifies 2 = References
dest_comp_id	integer	Yes	NOT NULL	Yes	Identifier for the destination object for this reference relationship.



Name	Datatype	Is PK	Null Option	Is FK	Description
src_comp_id	integer	Yes	NOT NULL	Yes	Identifier for the source object for this reference relationship.
src_comp_type_id	integer	Yes	NOT NULL	Yes	Component type for the destination object.
dest_comp_type_id	integer	Yes	NOT NULL	Yes	Component type for the source object.
ref_meta_id	integer	No	NULL	Yes	If the reference is in a grid, the identifier for the grid.
grid_row_id	integer	No	NULL	Yes	If the reference is in a grid, the identifier for the row in the grid that contains the reference.
grid_column_id	string (255)	No	NULL	Yes	If the reference is in a grid, the identifier for the column in the grid that contains the reference.

## uap\_comp\_type

This table contains details about the components in the system (business processes and marketing objects). This table contains a row for each custom component type as well as a row for each system-defined object (for example, plan and program). When an administrator creates a new marketing object type in IBM Unica Marketing Operations, a new row is added to this table.

Name	Datatype	Is PK	Null Option	Is FK	Description
comp_type_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each component.
name	string (50)	No	NOT NULL	No	Name of the component.
code_module	string (50)	No	NOT NULL	No	Type of the component. For built-in components (for example, projects), the value of this field is same as the value of the <code>name</code> field. For marketing objects, the value of this field is <code>components</code> .

Name	Datatype	Is PK	Null Option	Is FK	Description
status_code	string (20)	No	NOT NULL	No	Status for the object For example, <i>ENABLED</i> .
flag_has_templates	string (1)	No	NOT NULL	No	Flag for whether this component has any templates defined.  0 = no templates defined 1 = templates defined
flag_builtin	string (1)	No	NOT NULL	No	Flag for whether it is a built-in component:  0 = no (marketing object) 1 = yes

## uap\_mktgobject

This table contains information about each marketing object in the system.

Name	Datatype	Is PK	Null Option	Is FK	Description
mktg_object_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each marketing object.
name	string (256)	No	NOT NULL	No	Name of the marketing object. Field size was changed to 256 in version 7.4.0.
description	string (1024)	No	NULL	No	Description of the marketing object.
template_name	string (50)	No	NOT NULL	No	Name of the template used to create the marketing object.
flag_proj_request	string (1)	No	NOT NULL	No	The following are valid values:  Y project request N project
object_code	string (100)	No	NOT NULL	No	
sec_policy_id	integer	No	NOT NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
status_code	string (20)	No	NOT NULL	No	Status of the marketing object. The valid values are ACTIVE and DELETED.
state_code	string (20)	No	NOT NULL	No	State of the marketing object. The valid values depend on the marketing object.
created_by	integer	No	NOT NULL	No	Unique identifier for the user who created the marketing object.
created_date	date	No	NOT NULL	No	Date and time the marketing object was created.
modified_by	integer	No	NOT NULL	No	Unique identifier for the user who last modified the marketing object.
last_mod_date	date	No	NOT NULL	No	Date the marketing object was last modified.
comp_type_name	integer	No	NOT NULL	No	Marketing object type of the marketing object.

## uap\_mo\_hist

This table contains details about the history of marketing objects.

Name	Datatype	Is PK	Null Option	Is FK	Description
mktg_object_id	integer	Yes	NOT NULL	Yes	Unique identifier generated by the system for each marketing object. Foreign key to uap_mktgobject.
seq_no	integer	Yes	NOT NULL	No	Identifier for a history entry. The system increments the seq_no for each new history item.
user_id	integer	No	NOT NULL	Yes	Unique identifier for the user who modified the marketing object. Foreign key to uap_user.

Name	Datatype	Is PK	Null Option	Is FK	Description
last_mod_date	date	No	NOT NULL	No	Date the marketing object was last modified.
status_code	string (20)	No	NULL	No	Status of the marketing object.
comments	string (1024)	No	NULL	No	Revision history description.
curr_state	string (20)	No	NULL	No	Current state of the marketing object.
prev_state	string (20)	No	NULL	No	Current state of the marketing object.
on_behalf_user_id	integer	No	NULL	No	

## uap\_mo\_msgboard

Name	Datatype	Is PK	Null Option	Is FK	Description
mtg_id	integer	Yes	NOT NULL	Yes	Unique identifier generated by the system for each marketing object.
msg_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for marketing object message board messages.
post_datetime	date	No	NOT NULL	No	Date the message was posted.
user_id	integer	No	NOT NULL	Yes	Unique identifier for the user who posted the message. Foreign key to uap_user.
msg_text	string (1024)	No	NULL	No	Text of the message.
recipients	string (512)	No	NULL	No	List of recipients if the message was emailed.

## uap\_mo\_notify

Name	Datatype	Is PK	Null Option	Is FK	Description
mktg_object_id	integer	Yes	NOT NULL	Yes	Unique identifier generated by the system for each marketing object. Foreign key to uap_mktgobject.
event_type	integer	Yes	NOT NULL	No	
user_id	integer	Yes	NOT NULL	Yes	Foreign key to uap_user.
delivery_mask	integer	No	NOT NULL	No	

## uap\_mo\_users

This table contains the basic data for all marketing object users.

Name	Datatype	Is PK	Null Option	Is FK	Description
mktg_object_id	integer	Yes	NOT NULL	Yes	Unique identifier generated by the system for each marketing object. Foreign key to uap_mktgobject.
user_id	integer	Yes	NOT NULL	Yes	Internal user ID for a marketing object member. Foreign key to uap_user.
mem_type_id	integer	Yes	NOT NULL	Yes	Marketing object member type role ID. Foreign key to uap_member_type. Valid values are Owner and Participant.

## uap\_ref\_instance

This table contains a row for each source and destination object for all reference relationships.

Name	Datatype	Is PK	Null Option	Is FK	Description
comp_inst_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each object instance.
comp_type_id	integer	Yes	NOT NULL	Yes	Identifier for the component type. Foreign key into uap_comp_type.
status_code	string (20)	No	NOT NULL	No	Object status. The following are valid values.  ACTIVE  DELETED
name	string (256)	No	NOT NULL	No	Name of the object. Field size changed to 256 in version 7.4.0.
state_code	string (20)	No	NOT NULL	No	Object state. Valid values depend on the object type.

## uap\_ref\_meta

Name	Datatype	Is PK	Null Option	Is FK	Description
ref_meta_id	integer	Yes	NOT NULL	No	
template_id	integer	No	NOT NULL	No	
form_id	integer	No	NOT NULL	No	
field_id	string (50)	No	NOT NULL	No	

## uap\_relation\_type

Name	Datatype	Is PK	Null Option	Is FK	Description
relation_type_id	integer	Yes	NOT NULL	No	
name	string (50)	No	NOT NULL	No	

# 11 Metrics editor

- [Metrics editor tables overview](#)
- [uap\\_tt\\_me\\_metrics](#)
- [uap\\_tt\\_me\\_metrics\\_dimension](#)
- [uap\\_tt\\_me\\_metrics\\_group](#)
- [uap\\_tt\\_me\\_metrics\\_group\\_ref](#)
- [uap\\_tt\\_me\\_metrics\\_ref](#)
- [uap\\_tt\\_me\\_metrics\\_template](#)

## Metrics editor tables overview

These tables were added in IBM Unica Marketing Operations version 8.5.0 to support the metrics editor.

### uap\_tt\_me\_metrics

This table holds the metrics created in the metric editor. It was created in IBM Unica Marketing Operations version 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
metric_id	integer	Yes	NOT NULL	No	The internal ID of the metric.
internal_name	string (50)	No	NOT NULL	No	The internal name of the metric.
display_key	string (100)	No	NULL	No	The key of the display name of the metric used in the property file for localization.
display_name	string (100)	No	NOT NULL	No	The name of the metric entered by the user.
description_key	string (100)	No	NULL	No	The description key of the metric used in the property file for localization.

Name	Datatype	Is PK	Null Option	Is FK	Description
description	string (300)	No	NULL	No	The description of the metric entered by the user.
unit_type	string (20)	No	NOT NULL	No	The data type of the metric.
display_format	string (5)	No	NOT NULL	No	The display format for the value of the metric.
precision	integer	No	Not NULL	No	The decimal precision of the value.

## uap\_tt\_me\_metrics\_dimension

This table holds metric dimensions created in the metric editor. It was created in IBM Unica Marketing Operations version 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
dimension_id	integer	Yes	NOT NULL	No	The internal ID of the metric dimension.
internal_name	string (50)	No	NULL	No	The internal name of the metric dimension.
display_key	string (100)	No	NULL	No	The key of the metric dimension used in the property file for localization.
display_name	string (100)	No	NOT NULL	No	The name of the metric dimension entered by the user.
description_key	string (100)	No	NULL	No	The description key of the metric dimension used in the property file for localization.
description	string (300)	No	NULL	No	The description of the metric dimension entered by the user.



Name	Datatype	Is PK	Null Option	Is FK	Description
type	string (20)	No	NOT NULL	No	The type of the metric dimension. The following are valid values. <ul style="list-style-type: none"> <li>TARGET</li> <li>ACTUAL</li> <li>OTHER</li> </ul>
tab_order	integer	No	NULL	No	The display order for the tabs in the metric dimension.

## uap\_tt\_me\_metrics\_group

This table holds the metric groups created in the metric editor. It was created in IBM Unica Marketing Operations version 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
group_id	integer	Yes	NOT NULL	No	The internal ID of the group.
internal_name	string (50)	No	NOT NULL	No	The internal name of the group.
display_key	string (100)	No	NULL	No	The display key of the group used in the property file for localization.
display_name	string (100)	No	NOT NULL	No	The name of the group entered by the user.
description_key	string (100)	No	NULL	No	The description key of the group used in the property file for localization.
description	string (300)	No	NULL	No	The description of the group entered by the user.

## uap\_tt\_me\_metrics\_group\_ref

This table holds the association of the groups with the template and the group display order. It was created in IBM Unica Marketing Operations version 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	No	The internal ID of the metric template.
group_id	integer	Yes	NOT NULL	No	The internal ID of the associated group.
tab_order	integer	No	NULL	No	The display order for the tabs in the template.

## uap\_tt\_me\_metrics\_ref

This table holds association of the metric template groups. It was created in IBM Unica Marketing Operations version 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	No	The internal ID of the metric template.
group_id	integer	Yes	NOT NULL	No	The internal ID of the associated group.
metric_id	integer	Yes	NOT NULL	No	The internal ID of the metric associated with the group in the template.
is_formula	integer	No	NOT NULL	No	Specifies whether the field value is computed internally by a formula or by the user. The following are valid values. <ul style="list-style-type: none"> <li>• 1 = computed by formula</li> <li>• 0 = user input</li> </ul>
formula	string (1000)	No	NULL	No	If <code>is_formula</code> equals 1, then this column contains the actual formula.
is_planned	integer	No	NOT NULL	No	A flag to specify whether or not the metric is planned. The following are valid values. <ul style="list-style-type: none"> <li>• 1 = Yes</li> <li>• 0 = No</li> </ul>

Name	Datatype	Is PK	Null Option	Is FK	Description
is_rollup	integer	No	NOT NULL	No	A flag to specify whether or not the metric is rolled up. The following are valid values. <ul style="list-style-type: none"> <li>• 1 = Yes</li> <li>• 0 = No</li> </ul>
tab_order	integer	No	NOT NULL	No	The display order of the metrics within the group in the template.

## uap\_tt\_me\_metrics\_template

This table holds the metric templates created in the metric editor. It was created in IBM Unica Marketing Operations version 8.5.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	No	The internal ID of the metric template.
internal_name	string (50)	No	NOT NULL	No	The internal name of the metric template.
display_key	string (100)	No	NULL	No	The key of the template display name used in the property file for localization.
display_name	string (100)	No	NOT NULL	No	The name of the metric template entered by the user.
description_key	string (100)	No	NULL	No	The description key of the template used in the property file for localization.
description	string (300)	No	NULL	No	The description of the metric template entered by the user.

---

Name	Datatype	Is PK	Null Option	Is FK	Description
type	string (20)	No	NOT NULL	No	The type of the metric template. The following are valid values. <ul style="list-style-type: none"><li>• 1 = PLAN</li><li>• 2 = PROJECT</li><li>• 8 = PROGRAM</li><li>• -1 = LEGACY</li></ul>

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# 12 Miscellaneous

- Miscellaneous tables overview
- uap\_calendar\_config
- uap\_cal\_color\_coding
- uap\_cal\_view\_milestones
- uap\_event\_cat\_enum
- uap\_genids
- uap\_lkup\_manager
- uap\_object\_enum
- uap\_object\_lock
- uap\_role\_user\_vis
- uap\_search
- uap\_status
- uap\_system\_version

## Miscellaneous tables overview

The following tables store miscellaneous information. This section includes several tables about the IBM Unica Marketing Operations calendar, security, and searches.

### uap\_calendar\_config

This table stores attributes used to control the appearance of the IBM Unica Marketing Operations calendar. Each row determines the settings for a particular user.

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	Yes	NOT NULL	Yes	ID of the user to whom these calendar settings apply. Foreign key to uap_user.
show_weekends	integer	No	NULL	No	Determines whether or not to show weekends when displaying the calendar.

Name	Datatype	Is PK	Null Option	Is FK	Description
first_day_of_week	integer	No	NULL	No	Determines whether the week begins on Sunday (0) or Monday (1).
default_layout	integer	No	NULL	No	Determines the layout of the calendar. The following values are valid. 1 = 1-month text calendar 2 = 1-month graphical calendar 3 = 1-week timeline 4 = 1-month timeline 5 = 1-quarter timeline 6 = 1-fiscal year timeline 7 = 1-calendar year timeline
default_entity_type	integer	No	NULL	No	Determines which entities are displayed on the calendar. The following values are valid. 1 = plans 2 = projects 8 = programs
default_search	integer	No	NULL	Yes	ID for the saved search used to filter the items displayed on the calendar. Foreign key to uap_search.search_id
last_mod_date	date	No	NULL	No	Date on which this object was last modified.

## uap\_cal\_color\_coding

This table stores information about the attribute used for color coding the calendar.

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	Yes	NOT NULL	Yes	ID of the user to which these calendar settings apply. Foreign key to uap_user.
entity_type_id	integer	Yes	NOT NULL	Yes	Type of entity used for color coding. The following are valid values.  0 = project 1 = programs 2 = plans
cust_attr_id	string (255)	Yes	NOT NULL	Yes	ID of the attribute used for color coding.

## uap\_cal\_view\_milestones

This table stores information about displaying milestones on the calendar.

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	Yes	NOT NULL	Yes	ID for the user for whom these calendar settings apply. Foreign key to uap_user.
milestone_type	integer	Yes	NOT NULL	Yes	Type of milestone displayed on the calendar. Foreign key to uap_wf_milestones.

## uap\_event\_cat\_enum

This table contains details about event categories.

Name	Datatype	Is PK	Null Option	Is FK	Description
Cat_value	integer	Yes	NOT NULL	No	Unique ID for the event category.
Cat_name	string (50)	No	NULL	No	Name of the event category.

Name	Datatype	Is PK	Null Option	Is FK	Description
Cat_desc	string (100)	No	NULL	No	Description for the event category.

## uap\_genids

Name	Datatype	Is PK	Null Option	Is FK	Description
entity_name	string (50)	Yes	NOT NULL	No	
entity_key	string (50)	Yes	NOT NULL	No	
key_value	integer	No	NULL	No	

## uap\_lkup\_manager

This table stores information for the IBM Unica Marketing Operations Lookup Data Management module. This table was added in version 7.4.1.

Name	Datatype	Is PK	Null Option	Is FK	Description
map_id	integer	Yes	NOT NULL	No	Unique ID of the form that contains the attribute.
internal_attr_name	string (100)	Yes	NOT NULL	No	Internal name of the attribute that contains the list of values.
value_id	string (100)	Yes	NOT NULL	No	ID of the individual value of the attribute.

## uap\_object\_enum

Name	Datatype	Is PK	Null Option	Is FK	Description
obj_value	integer	Yes	NOT NULL	No	
obj_name	string (50)	No	NULL	No	
obj_desc	string (100)	No	NULL	No	



## uap\_object\_lock

This table stores information to support object locking; persistent object locking is used in clustered IBM Unica Marketing Operations environments. This table was added in version 7.4.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	No	NOT NULL	Yes	The ID of the user who has locked this object. Foreign key to <code>uap_user</code> .
object_type	string (50)	Yes	NOT NULL	No	object type; ObjecttypeEnum
object_id	integer	Yes	NOT NULL	Yes	Unique ID of the object. The table to which this is a foreign key depends on the object type.
tab_id	string (50)	Yes	NOT NULL	No	ID of the tab that is locked, for example, summary or tracking. The default value, used when the object does not have tabs, is <code>summary</code> . You can also use this field to uniquely identify the non-tab item.
session_id	string (200)	No	NOT NULL	No	HTTP session ID.
parent_object_type	string (50)	No	NULL		The object type of this object's parent. If this object does not have a parent object, the value of this field is null.
parent_object_id	integer	No	NULL	Yes	The object ID of this object's parent object. The table to which this is a foreign key depends on the object type. If the current object does not have a parent object, the value of this field is <code>-1</code> .

Name	Datatype	Is PK	Null Option	Is FK	Description
locked_time	string (20)	No	NULL	No	The string value of the system timestamp for the date and time when the object was locked. (The field cannot use datetime because after saving <code>System.currentTimeMillis()</code> to the database, the millisecond part is incorrect.) This field is used to check broken lock.
host_ip	string (15)	No	NULL	No	IP addresss of the machine on which the IBM Unica Marketing Operations server is running.
plan_server	string (50)	No	NULL	No	Name of the server (for WebLogic) or node (for WebSphere).
client_ip	string (15)	No	NULL	No	IP address of the client machine that connected to the IBM Unica Marketing Operations server.
lock_owner	string (20)	No	NULL	No	Who requested the lock. Possible values are <code>ui</code> and <code>api</code> .
lock_level	string (20)	No	NULL	No	Level at which to lock the object. Possible values are <code>object</code> and <code>tab</code> . If <code>lock_level="object"</code> , the lock key is object type + object ID. If <code>lock_level="tab"</code> , the lock key is object type + object ID + tab ID.
breakable	string (1)	No	NULL	No	Whether the lock is breakable. Possible values are <code>y</code> and <code>n</code> .
display	string (256)	No	NULL	No	
object_independent	string (1)	No	NULL	No	

## uap\_role\_user\_vis

This table supports limited resource selection. It stores user visibilities for security roles defined in IBM Unica Marketing Operations administration. This table was added in version 7.4.1.

Name	Datatype	Is PK	Null Option	Is FK	Description
role_id	integer	Yes	NOT NULL	No	
group_id	integer	Yes	NOT NULL	No	
team_id	integer	Yes	NOT NULL	No	

## uap\_search

This table stores saved searches.

Name	Datatype	Is PK	Null Option	Is FK	Description
search_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each saved search.
search_criteria	string (1000+)	No	NULL	No	Criteria used to make up the saved search. The saved search is stored as an XML string, and its length is arbitrarily large.

## uap\_status

Name	Datatype	Is PK	Null Option	Is FK	Description
status_code	string (20)	Yes	NOT NULL	No	
status_desc	string (100)	No	NULL	No	

## uap\_system\_version

Name	Datatype	Is PK	Null Option	Is FK	Description
software_version	string (20)	Yes	NOT NULL	No	
database_version	string (20)	Yes	NOT NULL	No	
database_action	string (20)	Yes	NOT NULL	No	
date_performed	date	Yes	NOT NULL	No	Column changed to not allow nulls in version 7.4.0.

# 13 Non-Working Days

- [Non-working days tables overview](#)
- [uap\\_blackout\\_dates](#)
- [uap\\_ml\\_bd\\_typ](#)

## Non-working days tables overview

The following tables contain information about non-working days.

### uap\_blackout\_dates

Name	Datatype	Is PK	Null Option	Is FK	Description
blackout_id	integer	Yes	NOT NULL	No	Unique ID generated by the system, for each blackout (non-work) date.
type_id	integer	No	NOT NULL	Yes	Unique ID for the blackout category for this blackout date.  Foreign key into <code>uap_ml_bd_type.type_id</code> .
name	string (255)	No	NULL	No	Name of the blackout/non-work date.
description	string (1024)	No	NULL	No	Description of the blackout/non-work date.
start_date	date	No	NOT NULL	No	Non-work date start date.
end_date	date	No	NOT NULL	No	Non-work date end date.
last_mod_date	date	No	NOT NULL	No	Last modification date of the item.
is_notified	integer	No	NOT NULL	No	Not currently used.

## uap\_ml\_bd\_typ

Name	Datatype	Is PK	Null Option	Is FK	Description
type_id	integer	Yes	NOT NULL	No	Unique ID generated by the system, for each black-out (non-work)category.
name	string (255)	No	NOT NULL	No	Name of the blackout category.
code	string (50)	No	NULL	No	User-defined code for this blackout category.
display	string (305)	No	NOT NULL	No	Display for the name and code.  Valid values: Name - Code or Code - Name.
display_no	integer	No	NULL	No	Not currently used.
flag_enabled	string (1)	No	NULL	No	Flag that determines whether the category is enabled (1) or disabled (0).

# 14 Projects

- Project tables overview
- uap\_projects
- uap\_metric\_cols
- uap\_metric\_grps
- uap\_proj\_attach
- uap\_proj\_folders
- uap\_proj\_hist
- uap\_proj\_metrics
- uap\_proj\_msgboard
- uap\_proj\_mtc\_hist
- uap\_proj\_notify
- uap\_proj\_recp
- uap\_proj\_role
- uap\_proj\_users
- uap\_proj\_usr\_role
- uap\_recp\_setting
- uap\_tt\_proj\_req

## Project tables overview

The following tables contain information about projects.

### uap\_projects

This table stores base data for projects and project requests. (Data that corresponds to user-defined attributes is stored in the user-defined tables.)

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💡 A row does not have values for both `start_date` and `actual_st_date` or both `end_date` and `actual_end_date`. Only one set of date columns is used per row. The set that is used is overloaded (contains both forecast and actual dates) and there is a relationship to the `status_code` field.

---

Name	Datatype	Is PK	Null Option	Is FK	Description
project_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each project and project request.
name	string (256)	No	NULL	No	Name of the project or project request. The size of the field was changed to 256 in version 7.4.0.
description	string (1024)	No	NULL	No	
template_name	string (50)	No	NULL	No	Name of the project template.
flag_proj_request	string (1)	No	NULL	No	Whether it is a project or project request. The following values are valid.  Y = project request  N or null = project
proj_code	string (100)	No	NULL	No	
status_code	string (20)	No	NULL	No	Current status of the project. Valid values are LATE and OVERDUE.
state_code	string (20)	No	NULL	No	Current state of the project or project request.  For project requests, the following values are valid.  <ul style="list-style-type: none"> <li>• DRAFT</li> <li>• SUBMITTED</li> <li>• RETURNED</li> <li>• ACCEPTED</li> <li>• CANCELLED</li> </ul> For projects, the following values are valid.  <ul style="list-style-type: none"> <li>• NOT_STARTED</li> <li>• IN_PROGRESS</li> <li>• ON_HOLD</li> <li>• CANCELLED</li> <li>• COMPLETED</li> </ul>
start_date	date	No	NULL	No	Project target start date.
end_date	date	No	NULL	No	Project target end date.



Name	Datatype	Is PK	Null Option	Is FK	Description
actual_st_date	date	No	NULL	No	Project actual start date.
actual_end_date	date	No	NULL	No	Project actual end date.
req_submit_date	date	No	NULL	No	Project request submit date. The value for this field will be null if the request has not been submitted or if the entry is a project
req_comp_date	date	No	NULL	No	Project request completion date. The value for this field is null if the project request is not completed or if the entry is a project.
metric_template	string (50)	No	NULL	No	Project metric template name. The value for this field is null if the project does not have any metrics.
created_by	integer	No	NULL	No	ID of the user who created the project or project request.
created_date	date	No	NULL	No	Date and time the project or project request was created.
modified_by	integer	No	NULL	No	ID of the user who last modified the project or project request.
last_mod_date	date	No	NULL	No	Date when the project or project request was last modified.
proj_request_id	integer	No	NULL	No	ID of the project request from which this project was created. The value of this field is null if the item is a project request or a project that was not created from a project request.

Name	Datatype	Is PK	Null Option	Is FK	Description
sec_policy_id	integer	No	NULL	No	Project security policy in which the current project is created. The value determines the visibility for the project.
campaign_id	integer	No	NULL	No	
mt_finalized_date	date	No	NULL	No	
mt_mod_date	date	No	NULL	No	
mt_import_date	date	No	NULL	No	
root_project_id	integer	No	NULL	No	If this is a subproject, this field contains the ID for the top-level parent project; that is, this project's highest-level ancestor project.
parent_project_id	integer	No	NULL	No	If this is a sub-project, this field contains the ID for the (direct) parent project.
proj_level	integer	No	NULL	No	If this is a sub-project, the number of levels down the hierarchy at which this project occurs. For example, if the project has a single parent project, the value of <code>proj_level</code> is 1.
budget_alloc_granularity	integer	No	NOT NULL	No	Specifies the budget granularity for the project. 0 = quarterly 1 = monthly 2 = weekly

## uap\_metric\_cols

Name	Datatype	Is PK	Null Option	Is FK	Description
project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project and project request. Foreign key to uap_projects.
col_taborder	integer	Yes	NOT NULL	No	Metrics display order.
col_display	string (100)	No	NULL	No	Metric display name.
flag_target	string (1)	No	NULL	No	Flag whether this metric is a target.
dimension_type	string (20)	No	NULL	No	Metric dimension type.

## uap\_metric\_grps

This table stores details about metric groups.

Name	Datatype	Is PK	Null Option	Is FK	Description
project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project and project request.
grp_id	string (50)	Yes	NOT NULL	No	ID of the metric group.
grp_display	string (100)	No	NULL	No	Display name for the metric group.
grp_display_order	integer	No	NULL	No	Display order of the metric group.

## uap\_proj\_attach

Name	Datatype	Is PK	Null Option	Is FK	Description
attach_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each project attachment.

Name	Datatype	Is PK	Null Option	Is FK	Description
attach_orig_file	string (255)	No	NULL	No	Original file name of the attachment.
enable	string (1)	No	NULL	No	Defines the markup state for a project attachment for the Markup Anywhere feature. This column was added in version 7.3.

## uap\_proj\_folders

Name	Datatype	Is PK	Null Option	Is FK	Description
proj_folder_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each project attachments category or folder.
Folder_name	string (50)	No	NULL	No	Internal name of the project attachments category or folder.
Parent_folder	integer	No	NULL	No	Unique ID of the parent folder of this project attachments category or folder.
project_id	integer	No	NULL	Yes	Unique ID of the project. Foreign key to uap_projects.

## uap\_proj\_hist

This table contains details about the project history.

Name	Datatype	Is PK	Null Option	Is FK	Description
Project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project or project request.
seq_no	integer	Yes	NOT NULL	No	Unique number generated by the system for project revision history.

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	No	NULL	No	ID of the user who modified the project.
last_mod_date	date	No	NULL	No	Date on which the project was last modified.
status_code	string (20)	No	NULL	No	Project status
cur_state	string (20)	No	NULL	No	Current state of the project.
prev_state	string (20)	No	NULL	No	Previous state of the project.
on_behalf_user_id	integer	No	NULL	No	This table was added in version 7.4.0.
Comments	string (1024)	No	NULL	No	Comments for recipients.

## uap\_proj\_metrics

This table holds metrics for the project, both user-entered and those computed by the system.

Name	Datatype	Is PK	Null Option	Is FK	Description
metric_id	string (50)	Yes	NOT NULL	No	Metric ID name.
project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project and project request. Foreign key to uap_projects.
display_name	string (100)	No	NULL	No	Metric display name.
display_order	integer	No	NULL	No	Metric display tab order
input_method	string (20)	No	NULL	No	Metric value input method. The following values are valid: USER, COMPUTE, LINK, and ROLLUP.

Name	Datatype	Is PK	Null Option	Is FK	Description
formula	string (1024)	No	NULL	No	Formula used to compute the metric. The value cannot be null if <code>input_method</code> is <code>COMPUTE</code> . The value will be null if <code>input_method</code> is <code>USER</code> .
units	string (20)	No	NULL	No	Metric unit type.
display_format	string (20)	No	NULL	No	Metric value display format.
metric_precision	integer	No	NULL	No	Metric value decimal precision.
description	string (1024)	No	NULL	No	
metric_columns	integer	No	NULL	No	Number of metric dimensions or columns. Maximum number of supported dimensions or columns is 5.
metric_value1	floating pt	No	NULL	No	Metric value 1.
metric_value2	floating pt	No	NULL	No	Metric value 2.
metric_value3	floating pt	No	NULL	No	Metric value 3.
metric_value4	floating pt	No	NULL	No	Metric value 4.
metric_value5	floating pt	No	NULL	No	Metric value 5.
grp_id	string (50)	No	NULL	No	Metric group ID. Foreign key to <code>uap_metric_grps</code> .
metric1_nan	string (20)	No	NULL	No	Metric 1 value internal computation errors/conditions will be saved for display.
metric2_nan	string (20)	No	NULL	No	Metric 2 value internal computation errors/conditions will be saved for display.

Name	Datatype	Is PK	Null Option	Is FK	Description
metric3_nan	string (20)	No	NULL	No	Metric 3 value internal computation errors/conditions will be saved for display.
metric4_nan	string (20)	No	NULL	No	Metric 4 value internal computation errors/conditions will be saved for display.
metric5_nan	string (20)	No	NULL	No	Metric 5 value internal computation errors/conditions will be saved for display.
planned_value	integer	No	NULL	No	Planned metric value.
planned_nan	string (20)	No	NULL	No	Planned metric value internal computation errors/conditions will be saved for display.
is_planned_value	string (1)	No	NULL	No	Flag if this metric has planned value or not. If this value is Y, then this metric has planned value.
show_as_rollup	string (1)	No	NULL	No	Flag if this metric shows in rollup display table.
is_visible	string (1)	No	NULL	No	Flag if this metric is visible in the UI. If this value is Y, this metric will be shown in the UI. Otherwise, it will be hidden and used for computation purpose.

## uap\_proj\_msgboard

Name	Datatype	Is PK	Null Option	Is FK	Description
project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project and project request. Foreign key to uap_projects.

Name	Datatype	Is PK	Null Option	Is FK	Description
msg_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each message on the project message board.
post_datetime	date	No	NOT NULL	No	Date the message was posted on the project message board.
user_id	integer	No	NOT NULL	No	Unique ID of the user who posted the message. Foreign key to uap_user.
msg_text	string (1024)	No	NULL	No	Message text.
recipients	string (512)	No	NULL	No	List of recipients if the message is emailed.

## uap\_proj\_mtc\_hist

Name	Datatype	Is PK	Null Option	Is FK	Description
Metric_id	string (50)	Yes	NOT NULL	Yes	Metric ID name.
project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project and project request.
hist_datetime	date	Yes	NOT NULL	No	
Metric_value1	floating pt	No	NULL	No	
Metric_value2	floating pt	No	NULL	No	
Metric_value3	floating pt	No	NULL	No	
Metric_value4	floating pt	No	NULL	No	
Metric_value5	floating pt	No	NULL	No	
Metric1_nan	string (20)	No	NULL	No	
Metric2_nan	string (20)	No	NULL	No	
Metric3_nan	string (20)	No	NULL	No	



Name	Datatype	Is PK	Null Option	Is FK	Description
Metric4_nan	string (20)	No	NULL	No	
Metric5_nan	string (20)	No	NULL	No	

## uap\_proj\_notify

Name	Datatype	Is PK	Null Option	Is FK	Description
project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project and project request. Foreign key to uap_projects.
event_type	integer	Yes	NOT NULL	No	
user_id	integer	Yes	NOT NULL	Yes	
delivery_mask	integer	No	NOT NULL	No	

## uap\_proj\_recp

This table stores recipients settings while creating project requests. This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
step_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each recipient step.
project_id	integer	No	NULL	Yes	Unique identifier for the project that contains this recipient step. Foreign key to uap_projects.
assignment_type	integer	No	NULL	No	Type of assignment.
role_id	integer	No	NULL	Yes	Foreign key to uap_ml_role. Where multiple roles are added.

Name	Datatype	Is PK	Null Option	Is FK	Description
rule_id	integer	No	NULL	Yes	Foreign key from rule table.
duration	string (1024)	No	NOT NULL	No	Duration for the recipient step.
sequence	integer	No	NOT NULL	No	Sequence of recipient.
required	string (1)	No	NULL	No	Whether recipient is required or optional.
proj_owner	string (1)	No	NULL	No	Whether recipient will become project owner.
instructions	string (1024)	No	NULL	No	Instructions for recipient by admin or by request owner.
submitted_date	datetime	No	NULL	No	Date on which request is submitted to recipient for response.
accept_deny	string (1)	No	NULL	No	Recipient's reply (accepted or denied) to the project request.
user_comments	string (1024)	No	NULL	No	Comments entered by the recipient while responding to the request.
responded_date	datetime	No	NULL	No	Date on which recipient submitted the response.
scheduled_due_date	Datetime	No	NULL	No	Due date for the recipient's response. This date is calculated based on the submitted date and the duration of the recipient step.

## uap\_proj\_role

Name	Datatype	Is PK	Null Option	Is FK	Description
project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project and project request. Foreign key to uap_projects.
Role_id	integer	Yes	NOT NULL	Yes	Project request role/type ID. Foreign key to uap_ml_role.
Role_type	integer	Yes	NULL	No	Role Type

## uap\_proj\_users

This table contains the basic data for all project users.

Name	Datatype	Is PK	Null Option	Is FK	Description
proj_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project and project request. Foreign key to uap_projects.
user_id	integer	Yes	NOT NULL	Yes	Project team member internal user ID.
mem_type_id	integer	Yes	NOT NULL	Yes	Project member type role ID. Possible values are Owner, Requestor, Participant, and Observer/Advisor. Foreign key to uap_member_type.
team_id	integer	No	NOT NULL	No	Team ID. This field was added in version 7.4.0.
recipient_id	integer	Yes	NOT NULL	Yes	Recipient ID. Foreign key to uap_proj_recp. This field was added in version 7.5.

## uap\_proj\_usr\_role

Name	Datatype	Is PK	Null Option	Is FK	Description
project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project and project request.
user_id	integer	Yes	NOT NULL	No	Project role user ID.
Role_id	integer	Yes	NOT NULL	No	Resource type role ID.
Role_type	integer	Yes	NULL	No	Role type.

## uap\_recp\_setting

This table stores recipient settings configured by the administrator. This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
step_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each row in the table.
template_id	integer	No	NOT NULL	Yes	Unique identifier for the template. Foreign key to uap_tt_template.
role_id	integer	No	NULL	Yes	Role ID for the role of the selected recipient. Foreign key to uap_roles.
assignment_id	integer	Yes	NOT NULL	No	The method by which this recipient was assigned the request. The following values are valid: R Requester Assigned A Admin Assigned U Rule Assigned
user_id	integer	No	NULL	No	If recipient was added by admin, then that user ID would be in this column.

Name	Datatype	Is PK	Null Option	Is FK	Description
team_id	integer	No	NULL	No	If recipient was added by admin, then that team ID would be in this column.
rule_id	integer	No	NULL	Yes	Unique identifier for the rule that assigned the recipient. Foreign key to uap_template_rule.
duration	string (20)	No	NOT NULL	No	Duration for the reviewer step.
required	string (1)	No	NULL	No	Whether the recipient is required or optional.
sequence	integer	No	NOT NULL	No	Sequence of the recipient.
proj_owner	string (1)	No	NULL	No	Whether this recipient will become the project owner.
instructions	string (1024)	No	NULL	No	Instructions for reviewers by admin.

## uap\_tt\_proj\_req

This table stores project template request setup data. This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
req_setup_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each row in the table.
template_id	integer	No	NOT NULL	Yes	Template ID for the project template. Foreign key into uap_tt_template.
description	string (300)	No	NULL	No	The request description of the project template.
reapproval_rule	string (2)	No	NULL	No	Template settings related to the re-approval rule.
add_del_recip	string (2)	No	NULL	No	Template settings related to "add/delete recipients" rights to user.

# 15 Programs

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- uap\_programs
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- uap\_prgrm\_metrics
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- uap\_user\_pref

## Program tables overview

The following tables contain information about programs.

### uap\_programs

Program data consists of base data and user-defined custom attributes data. The base data will be saved in the uap\_programs table and user defined data will be saved in user defined tables.

Name	Datatype	Is PK	Null Option	Is FK	Description
program_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each Program
name	string (256)	No	NULL	No	Size of the field was changed 256 for version 7.4.0.
description	string (1024)	No	NULL	No	
template_name	string (50)	No	NULL	No	Program template name.

Name	Datatype	Is PK	Null Option	Is FK	Description
program_code	string (100)	No	NULL	No	
status_code	string (20)	No	NULL	No	Program Status. Values: LATE, OVERDUE
state_code	string (20)	No	NULL	No	Program state. Values: NOT STARTED, IN PROGRESS, ON HOLD, CANCELLED, COMPLETED
start_date	date	No	NULL	No	Program target start date.
end_date	date	No	NULL	No	Program target end date.
actual_st_date	date	No	NULL	No	Program actual start date.
actual_end_date	date	No	NULL	No	Program actual end date. Note for start_date, end_date, actual_st_date, and actual_end_date: We only use two of these columns. One set is used and overloaded (both forecast and actual stored there) and there is a relationship to the status_code field.
metric_template	string (50)	No	NULL	No	Program Metric Template name. Null if the Program does not have any metrics.
created_by	integer	No	NULL	No	User who created the Program.
created_date	date	No	NULL	No	Date and time when the Program was created. System generated.
modified_by	integer	No	NULL	No	User who last modified the Program.
last_mod_date	date	No	NULL	No	Date and time when the Program was last modified. System generated.

Name	Datatype	Is PK	Null Option	Is FK	Description
sec_policy_id	integer	No	NULL	No	Project security policy in which the current project is created. The value determines the visibility for the project.
mt_finalized_date	date	No	NULL	No	
mt_mod_date	date	No	NULL	No	
budget_alloc_granularity	integer	No	NOT NULL	No	Specifies the budget granularity for the plan. 0 = quarterly 1 = monthly 2 = weekly

## uap\_prgrm\_hist

Name	Datatype	Is PK	Null Option	Is FK	Description
Program_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each Program.
seq_no	integer	Yes	NOT NULL	No	Unique ID generated by the system, for each Program Revision history.
user_id	integer	No	NULL	Yes	Program modified by user.
last_mod_date	date	No	NULL	No	Program Last Modified date.
status_code	string (20)	No	NULL	No	Program status.
Descriptions	string (1024)	No	NULL	No	Program Revision History Descriptions.
cur_state	string (20)	No	Null	No	Program current state.
prev_state	string (20)	No	Null	No	Program previous state.



## uap\_prgrm\_metrics

Name	Datatype	Is PK	Null Option	Is FK	Description
program_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each Program
metric_id	string (50)	Yes	NOT NULL	No	
show_as_rollup	string (1)	Yes	NOT NULL	No	
display_name	string (100)	No	NULL	No	
display_order	integer	No	NULL	No	
input_method	string (20)	No	NULL	No	
formula	string (1024)	No	NULL	No	
units	string (20)	No	NULL	No	
display_format	string (20)	No	NULL	No	
metric_precision	integer	No	NULL	No	
description	string (1024)	No	NULL	No	
metric_columns	integer	No	NULL	No	
metric_value1	floating pt.	No	NULL	No	
metric_value2	floating pt.	No	NULL	No	
metric_value3	floating pt.	No	NULL	No	
metric_value4	floating pt.	No	NULL	No	
metric_value5	floating pt.	No	NULL	No	
metric_rollup1	floating pt.	No	NULL	No	
metric_rollup2	floating pt.	No	NULL	No	
metric_rollup3	floating pt.	No	NULL	No	
metric_rollup4	floating pt.	No	NULL	No	
metric_rollup5	floating pt.	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
metric1_nan	string (20)	No	NULL	No	
metric2_nan	string (20)	No	NULL	No	
metric3_nan	string (20)	No	NULL	No	
metric4_nan	string (20)	No	NULL	No	
metric5_nan	string (20)	No	NULL	No	
grp_id	string(50)	No	NULL	No	
planned_value	floating pt.	No	NULL	No	
planned_nan	string(20)	No	NULL	No	
is_planned_value	string (1)	No	NULL	No	
alloc_total	floating pt.	No	NULL	No	
is_visible	string (1)	No	NULL	No	

## uap\_prgrm\_msgboard

Name	Datatype	Is PK	Null Option	Is FK	Description
program_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each Program.
msg_id	integer	Yes	NOT NULL	No	Unique ID generated by the system, for the Program Message Board.
post_datetime	date	No	NOT NULL	No	Program Message Posted date.
user_id	integer	No	NOT NULL	Yes	Message posted by the user. FK to uap_user.user_id.
msg_text	string (1024)	No	NULL	No	Text of the message.
recipients	string (512)	No	NULL	No	List of recipients if the message is emailed.

## uap\_prgrm\_mt\_cols

Name	Datatype	Is PK	Null Option	Is FK	Description
program_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each Program
col_taborder	integer	Yes	NOT NULL	No	Metrics display order.
col_display	string (100)	No	NULL	No	Metric display name.
flag_target	string (1)	No	NULL	No	Flag if this metric is a Target.
dimension_type	string (20)	No	NULL	No	Metric dimension type.

## uap\_prgrm\_mt\_grps

This table contains details about metric groups for programs.

Name	Datatype	Is PK	Null Option	Is FK	Description
Program_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each program.
grp_id	string (50)	Yes	NOT NULL	No	Metric group ID.
grp_display	string (100)	No	NULL	No	Metric group display name.
grp_display_order	integer	No	NULL	No	Metric group display order.

## uap\_prgrm\_mt\_hist

Name	Datatype	Is PK	Null Option	Is FK	Description
program_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each program.

Name	Datatype	Is PK	Null Option	Is FK	Description
hist_datetime	date	Yes	NOT NULL	No	
metric_id	string (50)	Yes	NOT NULL	No	
metric_value1	floating pt.	No	NULL	No	
metric_value2	floating pt.	No	NULL	No	
metric_value3	floating pt.	No	NULL	No	
metric_value4	floating pt.	No	NULL	No	
metric_value5	floating pt.	No	NULL	No	
metric_rollup1	floating pt.	No	NULL	No	
metric_rollup2	floating pt.	No	NULL	No	
metric_rollup3	floating pt.	No	NULL	No	
metric_rollup4	floating pt.	No	NULL	No	
metric_rollup5	floating pt.	No	NULL	No	
metric1_nan	string (20)	No	NULL	No	
metric2_nan	string (20)	No	NULL	No	
metric3_nan	string (20)	No	NULL	No	
metric4_nan	string (20)	No	NULL	No	
metric5_nan	string (20)	No	NULL	No	

## uap\_prgrm\_notify

Name	Datatype	Is PK	Null Option	Is FK	Description
program_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each Program
event_type	integer	Yes	NOT NULL	No	
user_id	integer	Yes	NOT NULL	Yes	

Name	Datatype	Is PK	Null Option	Is FK	Description
delivery_mask	integer	No	NOT NULL	No	

## uap\_prgrm\_project

This table contains information about relationships between programs and their associated projects.

Name	Datatype	Is PK	Null Option	Is FK	Description
program_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each program. Foreign key to <code>uap_programs.program_id</code> .
project_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each project. Indicates the ID for a project linked to this program. Foreign key to <code>uap_projects.project_id</code> .
plan_parea_id	integer	No	NULL	No	Plan - program area ID. This value will be null if the program is not linked to any program area.
plan_id	integer	No	NULL	No	Plan ID. This value will be null if program is not linked to any plan.

## uap\_prgrm\_users

This table stores details about the program users.

Name	Datatype	Is PK	Null Option	Is FK	Description
program_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each program. Foreign key to <code>uap_programs.program_id</code> .

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	Yes	NOT NULL	Yes	Program team member internal user ID. Foreign key to uap_user.user_id.
mem_type_id	integer	Yes	NOT NULL	Yes	Program member type role ID. Values: Owner, Requestor, Participant, and Observer/Advisor. Foreign key to uap_member_type.mem_type_id.

## uap\_user\_pref

Each user can set their starting screen when they log into IBM Unica Marketing Operations. This table stores those preferences. For example, user 103 starts in projects, list view.

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	Yes	NOT NULL	Yes	User identifier. Foreign key into uap_user.
ufolder_id	integer	No	NULL	No	
default_module	string (20)	No	NULL	No	The module this user sees when logging into IBM Unica Marketing Operations for example approvals.
default_view	string (20)	No	NULL	No	Default view for the module: list or calendar.
default_cal_opt	string (1)	No	NULL	No	
default_menu_group	string (64)	No	NULL	No	Defines for each user the left hand menu group which displays upon sign in. This column was added in version 7.3.
default_sec_policy	integer	No	NULL	No	ID for the default security policy for this user.
appr_folder_id	integer	No	NULL	No	The approval folder for the user.

# 16 Strategic Plan

- Strategic plan tables overview
- uap\_plans
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- uap\_parea\_metrics
- uap\_parea\_mt\_cols
- uap\_parea\_mt\_grps
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- uap\_plan\_prgrm
- uap\_plan\_user
- uap\_prgm\_area

## Strategic plan tables overview

The following tables contain information about plans.

### uap\_plans

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_id	integer	Yes	NOT NULL	No	
name	string (256)	No	NULL	No	Size of the field was changes to 256 for version 7.4.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
description	string (1024)	No	NULL	No	
plan_code	string (100)	No	NULL	No	
sec_policy_id	integer	No	NULL	No	
status_code	string (100)	No	NULL	No	
state_code	string (20)	No	NULL	No	
metric_template	string (100)	No	NULL	No	
Created_date	date	No	NULL	No	
Created_by	integer	No	NULL	No	
last_mod_date	date	No	NULL	No	
modified_by	integer	No	NULL	No	
bus_area_id	integer	No	NULL	No	
fiscal_year	integer	No	NULL	No	
actual_st_date	date	No	NULL	No	Actual start date.
actual_end_date	date	No	NULL	No	Actual end date.
budget_alloc_granularity	integer	No	NOT NULL	No	Specifies the budget granularity for the plan. 0 = quarterly 1 = monthly 2 = weekly

## uap\_mt\_threshold

Name	Datatype	Is PK	Null Option	Is FK	Description
metric_id	string (50)	Yes	NOT NULL	No	
threshold_id	string (20)	Yes	NOT NULL	No	



Name	Datatype	Is PK	Null Option	Is FK	Description
min_value	floating pt	No	NOT NULL	No	
max_value	floating pt	No	NOT NULL	No	
color	string (20)	No	NULL	No	

## uap\_parea\_metrics

Name	Datatype	Is PK	Null Option	Is FK	Description
metric_id	string (50)	Yes	NOT NULL	No	
plan_parea_id	integer	Yes	NOT NULL	Yes	
show_as_rollup	string (1)	Yes	NOT NULL	No	
display_order	integer	No	NULL	No	
input_method	string (20)	No	NULL	No	
formula	string (1024)	No	NULL	No	
display_name	string (100)	No	NULL	No	
units	string (20)	No	NULL	No	
display_format	string (20)	No	NULL	No	
metric_precision	integer	No	NULL	No	
description	string	No	NULL	No	
metric_columns	integer	No	NULL	No	
metric_value1	floating pt	No	NULL	No	
metric_value2	floating pt	No	NULL	No	
metric_value3	floating pt	No	NULL	No	
metric_value4	floating pt	No	NULL	No	
metric_value5	floating pt	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
metric_rollup1	floating pt	No	NULL	No	
metric_rollup2	floating pt	No	NULL	No	
metric_rollup3	floating pt	No	NULL	No	
metric_rollup4	floating pt	No	NULL	No	
metric_rollup5	floating pt	No	NULL	No	
metric1_nan	string (20)	No	NULL	No	
metric2_nan	string (20)	No	NULL	No	
metric3_nan	string (20)	No	NULL	No	
metric4_nan	string (20)	No	NULL	No	
metric5_nan	string (20)	No	NULL	No	
grp_id	string (50)	No	NULL	No	
planned_value	floating pt	No	NULL	No	
planned_nan	string (20)	No	NULL	No	
is_planned_value	string (1)	No	NULL	No	
is_visible	string (1)	No	NULL	No	

## uap\_parea\_mt\_cols

Name	Datatype	Is PK	Null Option	Is FK	Description
col_taborder	integer	Yes	NOT NULL	No	Metrics display order.
plan_parea_id	integer	Yes	NOT NULL	Yes	
col_display	string (100)	No	NULL	No	Display name of the metric.
flag_target	string (1)	No	NULL	No	Flag if this metric is a target.

Name	Datatype	Is PK	Null Option	Is FK	Description
dimension_type	string (20)	No	NULL	No	Dimension type of the metric.

## uap\_parea\_mt\_grps

Name	Datatype	Is PK	Null Option	Is FK	Description
grp_id	string (50)	Yes	NOT NULL	No	Unique identifier generated by the system for each metric group.
plan_parea_id	integer	Yes	NOT NULL	Yes	
grp_display	string (100)	No	NULL	No	Display name of the metric group.
grp_display_order	integer	No	NULL	No	Display order of the metric group.

## uap\_parea\_mt\_hist

Name	Datatype	Is PK	Null Option	Is FK	Description
hist_datetime	date	Yes	NOT NULL	No	
plan_parea_id	integer	Yes	NOT NULL	Yes	
metric_id	string (50)	Yes	NOT NULL	No	
metric_value1	floating pt	No	NULL	No	
metric_value2	floating pt	No	NULL	No	
metric_value3	floating pt	No	NULL	No	
metric_value4	floating pt	No	NULL	No	
metric_value5	floating pt	No	NULL	No	
metric_rollup1	floating pt	No	NULL	No	
metric_rollup2	floating pt	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
metric_rollup3	floating pt	No	NULL	No	
metric_rollup4	floating pt	No	NULL	No	
metric_rollup5	floating pt	No	NULL	No	
metric1_nan	string (20)	No	NULL	No	
metric2_nan	string (20)	No	NULL	No	
metric3_nan	string (20)	No	NULL	No	
metric4_nan	string (20)	No	NULL	No	
metric5_nan	string (20)	No	NULL	No	

## uap\_plan\_accts

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_id	integer	Yes	NOT NULL	Yes	
account_id	integer	Yes	NOT NULL	No	

## uap\_plan\_hist

This table contains details about the plan history.

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_id	integer	Yes	NOT NULL	Yes	Unique identifier generated by the system for each plan.
seq_no	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each plan revision history.
user_id	integer	No	NULL	Yes	Unique identifier of the user who modified the plan.

Name	Datatype	Is PK	Null Option	Is FK	Description
last_mod_date	date	No	NULL	No	Date on which the plan was last modified.
status_code	string (20)	No	NULL	No	Plan status.
Descriptions	string (1024)	No	NULL	No	Plan revision history descriptions.
cur_state	string (20)	No	NULL	No	Current state of the plan.
prev_state	string (20)	No	NULL	No	Previous state of the plan.

## uap\_plan\_metrics

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_id	integer	Yes	NOT NULL	Yes	
metric_id	string (50)	Yes	NOT NULL	No	
show_as_rollup	string (1)	Yes	NOT NULL	No	
display_name	string (100)	No	NULL	No	
display_order	integer	No	NULL	No	
input_method	string (20)	No	NULL	No	
formula	string (1024)	No	NULL	No	
units	string (20)	No	NULL	No	
display_format	string (20)	No	NULL	No	
metric_precision	integer	No	NULL	No	
metric_columns	integer	No	NULL	No	
metric_rollup1	floating pt	No	NULL	No	
metric_rollup2	floating pt	No	NULL	No	
metric_rollup3	floating pt	No	NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
metric_rollup4	floating pt	No	NULL	No	
metric_rollup5	floating pt	No	NULL	No	
grp_id	string (50)	No	NULL	No	
planned_value	floating pt	No	NULL	No	
planned_nan	string (20)	No	NULL	No	
description	string	No	NULL	No	
is_planned_value	string (1)	No	NULL	No	
is_visible	string (1)	No	NULL	No	

## uap\_plan\_msgboard

Name	Datatype	Is PK	Null Option	Is FK	Description
msg_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for the message on the Marketing OperationsIBM Unica message board.
plan_id	integer	Yes	NOT NULL	Yes	Unique identifier generated by the system for each plan.
post_datetime	date	No	NULL	No	Date the message was posted to the message board.
user_id	integer	No	NULL	Yes	Unique identifier for the user who posted the message. Foreign key to uap_user.user_id.
msg_text	string (1024)	No	NULL	No	Text of the message.
recipients	string (512)	No	NULL	No	List of recipients if the message is emailed.

## uap\_plan\_mt\_cols

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_id	integer	Yes	NOT NULL	Yes	
col_taborder	integer	Yes	NOT NULL	No	
col_display	string (100)	No	NULL	No	
flag_target	string (1)	No	NULL	No	
dimension_type	string (20)	No	NULL	No	

## uap\_plan\_mt\_grps

This table contains details about metric groups for plans.

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_id	integer	Yes	NOT NULL	Yes	Unique identifier generated by the system for each plan.
grp_id	string (50)	Yes	NOT NULL	No	Identifier for the metric group.
grp_display	string (100)	No	NULL	No	Display name for the metric group.
grp_display_order	integer	Yes	NULL	No	Display order for the metric group.

## uap\_plan\_mt\_hist

Name	Datatype	Is PK	Null Option	Is FK	Description
hist_datetime	date	Yes	NOT NULL	No	
plan_id	integer	Yes	NOT NULL	Yes	
Metric_id	string (50)	Yes	NOT NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Description
Metric_rollup1	floating pt	No	NULL	No	
Metric_rollup2	floating pt	No	NULL	No	
Metric_rollup3	floating pt	No	NULL	No	
Metric_rollup4	floating pt	No	NULL	No	
Metric_rollup5	floating pt	No	NULL	No	

## uap\_plan\_notify

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_id	integer	Yes	NOT NULL	Yes	
user_id	integer	Yes	NOT NULL	No	
event_type	integer	Yes	NOT NULL	No	
delivery_mask	integer	No	NULL	No	

## uap\_plan\_parea

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_parea_id	integer	Yes	NOT NULL	No	
plan_id	integer	No	NOT NULL	Yes	
prgm_area_id	integer	No	NOT NULL	Yes	
display_order	integer	No	NULL	No	



## uap\_plan\_prgrm

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_id	integer	Yes	NOT NULL	Yes	
program_id	integer	Yes	NOT NULL	No	
plan_parea_id	integer	No	NULL	Yes	

## uap\_plan\_user

Name	Datatype	Is PK	Null Option	Is FK	Description
plan_id	integer	Yes	NOT NULL	Yes	
mem_type_id	integer	Yes	NOT NULL	No	
user_id	integer	Yes	NOT NULL	No	

## uap\_prgrm\_area

Name	Datatype	Is PK	Null Option	Is FK	Description
uap_prgrm_area	integer	Yes	NOT NULL	No	
name	string (255)	No	NULL	No	
display	string (1024)	No	NULL	No	
code	string (50)	No	NULL	No	
display_no	integer	No	NULL	No	
flag_enabled	string (1)	No	NULL	No	
attach_file	string (255)	No	NULL	No	Internal file name of the attachment.
attach_note	string (1024)	No	NULL	No	Attachment notes
attach_size	string (20)	No	NULL	No	File size of the attachment.

Name	Datatype	Is PK	Null Option	Is FK	Description
attach_date	date	No	NULL	No	The date the attachment was added.
mime_type	string (255)	No	NULL	No	MIME type of the attachment file.
flag_mcm_item	string (1)	No	NULL	No	Flag to indicate if attachment is from the assets library. A value of Y indicates the attachment is from the assets library.
item_id	integer	No	NULL	No	Asset ID value. Foreign key to umcm_items.item_id.
item_version_seq	integer	No	NULL	No	Asset version number. Foreign key to umcm_item_content.item_version_seq.
proj_folder_id	integer	No	NULL	Yes	Identifier of the project attachment folder. Foreign key to uap_proj_folders.proj_folder_id.
user_id	integer	No	NULL	No	Identifier of the user who added the attachment. Foreign key to uap_user.user_id.

# 17 Teams

- Team tables overview
- uap\_teams
- uap\_appr\_teams
- uap\_proj\_teams
- uap\_proj\_team\_role
- uap\_team\_history
- uap\_team\_members
- uap\_team\_notify
- uap\_team\_object\_routing
- uap\_team\_security\_policy
- uap\_team\_task\_routing
- uap\_team\_work\_model

## Team tables overview

The following tables store information about teams.

Unless indicated otherwise, all the tables in this section were added in version 7.3.

### uap\_teams

This table contains information about teams.

Name	Datatype	Is PK	Null Option	Is FK	Comment
team_id	integer	Yes	NOT NULL	No	Unique team identifier.
name	string (256)	No	NULL	No	Team name as it appears in Marketing Operations. The size of the field was changed to 256 in version 7.4.0.
description	string (256)	No	NULL	No	Text description for the team.

Name	Datatype	Is PK	Null Option	Is FK	Comment
skillsets	string (256)	No	NULL	No	Free form text describing the skills for the team.
status	integer	No	NULL	No	Status of the team. Possible values are as follows: 1 = Enabled 2 = Disabled 3 = Deleted

## uap\_appr\_teams

This table was added in version 7.4.0 and contains details for team approvals.

Name	Datatype	Is PK	Null Option	Is FK	Description
approval_id	integer	Yes	NOT NULL	Yes	Approval ID
team_id	integer	Yes	NOT NULL	Yes	Team ID
mem_type_id	integer	Yes	NOT NULL	Yes	

## uap\_proj\_teams

Name	Datatype	Is PK	Null Option	Is FK	Comment
project_id	integer	Yes	NOT NULL	Yes	Unique project identifier. Foreign key into uap_projects.project_id.
team_id	integer	Yes	NOT NULL	Yes	Unique identifier for the team. Foreign key into uap_teams.team_id.
mem_type_id	integer	Yes	NOT NULL	Yes	Member type ID of the team for this project. Foreign key to uap_member_type.mem_type_id.

## uap\_proj\_team\_role

Name	Datatype	Is PK	Null Option	Is FK	Comment
project_id	integer	Yes	NOT NULL	Yes	Unique project identifier. Foreign key into uap_projects.project_id.
team_id	integer	Yes	NOT NULL	Yes	Unique identifier for the team. Foreign key into uap_teams.team_id.
role_id	integer	Yes	NOT NULL	No	Unique identifier for the role. Foreign key into uap_ml_role.role_id.
role_type	integer	No	NOT NULL	No	Role type ID.

## uap\_team\_history

This table contains details about the history of teams.

Name	Datatype	Is PK	Null Option	Is FK	Comment
history_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each edit to a team.
sequence_no	integer	No	NOT NULL	No	Sequence of events for each team.
team_id	integer	No	NOT NULL	Yes	Unique identifier for the team. Foreign key into uap_teams.team_id.
activity	integer	No	NULL	No	ID for the activity that occurred for this event. Values are as follows: 1 = team created 2 = team deleted 3 = team edited 4 = team copied 5 = team enabled 6 = team disabled

Name	Datatype	Is PK	Null Option	Is FK	Comment
user_id	integer	No	NULL	Yes	User who modified the marketing object.
field_changed	string (255)	No	NULL	No	Name of the field that was edited.
old_value	string (256)	No	NULL	No	Previous value for the edited field.
new_value	string (256)	No	NULL	No	Replacement value for the edited field.
date_time	date	No	NULL	No	Date the change was made.
on_behalf_user_id	integer	No	NULL	No	This column was added in 7.4.0.

## uap\_team\_members

This table lists all team members (and their membership type) for each team in the system.

Name	Datatype	Is PK	Null Option	Is FK	Comment
team_id	integer	Yes	NOT NULL	Yes	Unique identifier for the team. Foreign key into uap_teams.team_id.
user_id	integer	Yes	NOT NULL	Yes	Team member ID. Foreign key to uap_users.user_id.
mem_type_id	integer	Yes	NOT NULL	Yes	Member type ID of the team for this project. Foreign key to uap_member_type.mem_type_id.

## uap\_team\_notify

Name	Datatype	Is PK	Null Option	Is FK	Comment
event_type	integer	Yes	NOT NULL	No	

Name	Datatype	Is PK	Null Option	Is FK	Comment
team_id	integer	Yes	NOT NULL	Yes	Unique identifier for the team. Foreign key into uap_teams.team_id
user_id	integer	Yes	NOT NULL	Yes	Foreign key to uap_users.user_id
delivery_mask	integer	No	NOT NULL	No	

## uap\_team\_object\_routing

New for version 7.4.0. This table contains details about how teams route work.

Name	Datatype	Is PK	Null Option	Is FK	Comment
object_audit_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each team routing model.
object_id	integer	No	NOT NULL	No	Object ID for the object that the team is assigned.
object_type	string (20)	No	NULL	No	Object type of the object on which the team is working.
assigned_to	integer	No	NULL	No	
is_user	integer	No	NULL	No	
user_team_id	integer	No	NULL	No	
routed_by	integer	No	NULL	No	
date_time	date	No	NULL	No	
state	integer		NULL	No	
sequence_no	integer		NULL	No	Sequence of events for each routing model.

## uap\_team\_security\_policy

This table lists each team and the security policy that applies for that team.

Name	Datatype	Is PK	Null Option	Is FK	Comment
team_id	integer	Yes	NOT NULL	Yes	Unique identifier for the team. Foreign key into uap_teams.team_id
policy_id	integer	Yes	NOT NULL	Yes	Unique identifier for the security policy. Foreign key to uap_sec_policy.sec_policy_id.

## uap\_team\_task\_routing

Name	Datatype	Is PK	Null Option	Is FK	Description
task_audit_id	integer	Yes	NOT NULL	No	
task_id	integer	No	NOT NULL	No	
assigned_to	integer	No	NULL	Yes	Team ID. Foreign key into uap_teams.team_id.
is_user	integer	No	NULL	No	
user_team_id	integer	No	NULL	No	
routed_by	integer	No	NULL	No	
date_time	date	No	NULL	No	
state	integer	No	NULL	No	
sequence_no	integer	No	NOT NULL	No	

## uap\_team\_work\_model

This table lists each work routing model used by each team.



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Name	Datatype	Is PK	Null Option	Is FK	Description
team_id	integer	Yes	NOT NULL	Yes	Team identifier for the team. For each work routing model the team uses there is a row in this table. For example, if team 10001 uses all three work routing models, this table has three rows with the 10001 team_id. Foreign key into uap_teams.team_id.
model	integer	Yes	NOT NULL	No	Describes the work routing model for the team. Values are as follows:  1 = Managers can route work to members  2 = Members can accept team-assigned tasks  3 = Members can return team-assigned tasks back to the team

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# 18 Template Definition

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- uap\_tt\_attachments
- uap\_tt\_att\_folders
- uap\_tt\_data\_map
- uap\_tt\_export\_tab
- uap\_tt\_ext\_param
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- uap\_tt\_tvc
- uap\_tt\_tvc\_info\_group
- uap\_tt\_tvc\_map\_info
- uap\_tt\_workflow\_template
- uap\_tt\_workflows

## Template overview tables

The following tables store information about templates and some of the elements which define them, including forms and attributes.

### uap\_tt\_attachments

This table stores information about each template attachment.

Name	Datatype	Is PK	Null Option	Is FK	Description
attachment_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each template attachment.
template_id	integer	No	NULL	Yes	ID for the template that contains the attachment. Foreign key to uap_tt_templates.
attachment_name	string (255)	No	NULL	No	Name of the attachment.
attachment_mime	string (50)	No	NULL	No	MIME type of the attachment file.
attachment_ext	string (20)	No	NULL	No	Attachment file extension (for example, .PDF or .DOC).
folder_id	integer	No	NULL	Yes	ID of the folder that contains the attachment. Foreign key to uap_tt_att_folders.
display_order	integer	No	NULL	No	Order in which this attachment displays in the folder.

### uap\_tt\_att\_folders

This table stores information about the folders created to contain template attachments.

Name	Datatype	Is PK	Null Option	Is FK	Description
folder_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each template attachment folder.
folder_name	string (50)	No	NULL	No	System-generated name of the attachment folder.
folder_display	string (300)	No	NULL	No	Name specified by the creator for the attachment folder.
template_id	integer	No	NULL	Yes	ID for the template that contains this attachment folder. Foreign key to uap_tt_templates.
parent_folder_id	integer	Yes	NULL	Yes	ID of the parent folder or category. Foreign key to uap_tt_att_folders.folder_id.
display_order	integer	No	NULL	No	Folder display order.

## uap\_tt\_data\_map

This table stores information about the data mapping files in the system.

Name	Datatype	Is PK	Null Option	Is FK	Description
Data_map_id	integer	Yes	NOT NULL	No	Unique identifier for each data mapping file.
Name	string (50)	No	NULL	No	Name of the data mapping file.
type	integer	No	NOT NULL	No	Type of the data map.

## uap\_tt\_export\_tab

This table defines, for each template in the system, the tab to be exported when the template is exported. This table was added in version 7.4.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	Yes	ID for the template. Foreign key to uap_tt_templates.
tab_name	string (100)	Yes	NOT NULL	No	Name of the tab.

## uap\_tt\_ext\_param

This table stores the parameters defined for custom links.

Name	Datatype	Is PK	Null Option	Is FK	Description
ext_tool_id	integer	Yes	NOT NULL	Yes	ID for a custom link. Foreign key to uap_tt_ext_tools.
param_name	string (50)	Yes	NOT NULL	No	Name of a parameter.
param_value	string (100)	No	NULL	No	Value of the parameter.

## uap\_tt\_ext\_tools

This table stores information about the custom links defined in the system.

Name	Datatype	Is PK	Null Option	Is FK	Description
ext_tool_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each custom link.
ext_url	string (200)	No	NULL	No	The URL of the custom link.
template_id	integer	No	NULL	Yes	ID of the template that contains the custom link. Foreign key to uap_tt_templates.
name	string (50)	No	NULL	No	Name of the custom link. Used internally.
display	string (50)	No	NULL	No	Display name of the custom link.

Name	Datatype	Is PK	Null Option	Is FK	Description
description	string (200)	No	NULL	No	Description of the custom link.
show_in_req	string (20)	No	NULL	No	Whether this custom link is available in project requests. Valid values are YES and NO.
display_order	integer	No	NULL	No	Order in which this custom link displays.

## uap\_tt\_icons

This table stores information about icons.

Name	Datatype	Is PK	Null Option	Is FK	Description
icon_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each icon.
name	string (50)	No	NULL	No	Icon display name.
extension	string (20)	No	NULL	No	Icon extension.
listExtension	string (20)	No	NULL	No	Icon list extension.

## uap\_tt\_localized\_text

This table stores display values for all form elements, for example, form groups, grids, and attributes, for all supported locales. This table was added in version 8.0.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
text_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each row in the table.
text_key	string (300)	No	NOT NULL	No	Internationalization text key.

Name	Datatype	Is PK	Null Option	Is FK	Description
locale	string (10)	No	NOT NULL	No	A supported locale. The following values are valid. Several additional languages were added in IBM Unica Marketing Operations 8.5.0.  de_DE en_GB en_US es_ES fr_FR it_IT ja_JP ko_KR pt_BR zh_CN
localized_text	string (1024)	No	NULL	No	Display text for this locale.

## uap\_tt\_map

This table stores information about each form in your system.

Name	Datatype	Is PK	Null Option	Is FK	Description
map_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each form.
map_name	string (50)	No	NULL	No	Name of the form.
table_name	string (50)	No	NULL	No	Name of the database table that stores the answers users enter in the fields of this form.
key_column	string (50)	No	NULL	No	Column that stores the primary key for the table specified in the <code>table_name</code> column.

Name	Datatype	Is PK	Null Option	Is FK	Description
key_type	string (20)	No	NULL	No	Data type of the column specified in the <code>key_column</code> column.
state	string (50)	No	NULL	No	State of the form. The following are valid values: <ul style="list-style-type: none"> <li>Published</li> <li>Non-Published</li> <li>Temporary</li> </ul> This column was added in version 8.0.
root_element	string (100)	No	NULL	No	The only valid value is <code>Details</code> .
description	string (1024)	No	NULL	No	Description of form. This column was added in version 8.0.
user_id	integer	No	NULL	Yes	ID of the user who created the form. Foreign key to <code>uap_user</code> . This column was added in version 8.0.
copy_of	integer	No	NULL	Yes	ID of the form that was copied to make this form. Foreign key to <code>uap_tt_map.map_id</code> . This column was added in version 8.0.
form_type	integer	No	NULL	No	Whether the form is a Target Cell Spreadsheet. This column was added in version 8.0.

## uap\_tt\_map\_info

This table saves details about form attributes. This table was added in 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
map_info_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each row in the table.



Name	Datatype	Is PK	Null Option	Is FK	Description
map_id	integer	No	NOT NULL	Yes	ID of the form in which the attribute is used. Foreign key from uap_tt_map table.
group_id	integer	No	NULL	Yes	ID of the attribute group that contains the attribute. Foreign key to uap_tt_map_info_group.map_info_group_id and uap_tt_tvc_info_group.tvc_info_group_id.
label	string (1024)	No	NULL	No	Label of the attribute.
element_name	string (100)	No	NULL	No	Internal name of the attribute.
element_type	string (50)	No	NULL	No	UI type of the attribute.
db_type	string (50)	No	NULL	No	Datatype of the attribute.
db_column_name	string (50)	No	NULL	No	Database column name of the attribute.
max_length	integer	No	NULL	No	Maximum length of the attribute value.
lkup_table	string (100)	No	NULL	No	Name of the database table that supplies values from which users can select for this attribute.
lkup_id_column	string (50)	No	NULL	No	Name of the key column in the lookup table for this attribute.
lkup_desc_column	string (100)	No	NULL	No	Name of the column in the lookup table that stores the values to display to the users.
lkup_sort_column	string (100)	No	NULL	No	Name of the column in the lookup table on which to sort the entries displayed to the users.

Name	Datatype	Is PK	Null Option	Is FK	Description
lkup_sort_colIDB Type	string (50)	No	NULL	No	Datatype of the sort column in the lookup table. Marketing Operations retrieves this information from the database.
lkup_sort_ascending	string (50)	No	NULL	No	Sort order for the lookup table. The following values are valid.  0 = descending 1 = ascending
formula	string (1024)	No	NULL	No	Formula used to calculate the attribute value. (This column applies only to Calculated attributes.)
help_tip	string (1024)	No	NULL	No	Help text for the attribute.
element_message	string (1024)	No	NULL	No	Message to display when the field is required and the user forgets to fill it.
default_value	string (1024)	No	NULL	No	Default value for the attribute.
description	string (1024)	No	NULL	No	Description of the attribute.
is_required	string (1)	No	NULL	No	Whether or not the attribute is required. Possible values are Y and N.
is_read_only	string (1)	No	NULL	No	Whether or not the attribute is read-only. Possible values are Y and N.
element_precision	integer	No	NULL	No	Number of digits in the decimal part of the number.
is_dependent	string (1)	No	NULL	No	Whether or not the attribute is dependent. (This column applies only to single-select-database and multi-select-database attributes.) Possible values are Y and N.

Name	Datatype	Is PK	Null Option	Is FK	Description
tab_order	integer	No	NULL	No	Order in which the attribute appears on the form.
paramType	integer	No	NULL	No	This column is no longer in use.
modifFlag	string (65)	No	NULL	No	Type of update to perform when a form is republished. The following values are valid.  0 = Used in form  -3 = Created as local attribute but not placed on form
attribute_type	integer	No	NULL	No	The following values are valid.  0 = Local form attribute 1 = Local grid attribute 2 = Global form attribute 3 = Global grid attribute 4 = Global campaign attribute 5 = Global cell attribute 6 = TCS default attribute 7 = TCS read-only attribute
is_enabled	integer	No	NULL	No	Whether or not a global attribute is enabled. The following values are valid.  0 = Disabled 1 = Enabled
url_db_column_name	nvarchar(50)	No	NULL	No	Column added in 8.1 for support of the url field in forms.

## uap\_tt\_map\_info\_dependent

This table stores information about dependent fields. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
map_info_dependent_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each row in the table.
map_id	integer	No	NOT NULL	Yes	Unique identifier for the form that contains the attribute. Foreign key to uap_tt_map.
map_info_id	integer	No	NOT NULL	Yes	Unique identifier for the attribute. Foreign key to uap_tt_map_info.
map_info_dependent	string (50)	No	NULL	No	Internal name of the child attribute.

## uap\_tt\_map\_info\_group

This table stores information about attribute groups. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
map_info_group_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each attribute group.
map_id	integer	No	NOT NULL	Yes	ID of the form that contains the attribute group. Foreign key from uap_tt_map.
element_name	string (100)	No	NULL	No	Internal name of the group.
tab_order	integer	No	NULL	No	Order in which the group appears on the form.
header	string (200)	No	NULL	No	Display name of the group.
description	string (1024)	No	NULL	No	Description of the group.

Name	Datatype	Is PK	Null Option	Is FK	Description
column_span	integer	No	NULL	No	Whether the group has a one-column layout or a two-column layout. (This column only applies to form attributes.) The following values are valid: 1 = One-column 2 = Two-column
show_group	string (20)	No	NULL	No	Whether to show or hide the group heading on the form. The following values are valid: 0 = Hide 1 = Show

## uap\_tt\_map\_info\_option

This table stores the possible values for single-select attributes. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
map_info_option_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each row in the table.
map_id	integer	No	NULL	Yes	ID of the form that contains the single-select attribute. Foreign key to uap_tt_map.
map_info_id	integer	No	NULL	Yes	Unique identifier for the single-select attribute. Foreign key to uap_tt_map_info.
option_value	string (200)	No	NULL	No	Option value.
option_display	string (200)	No	NULL	No	Option display.
option_order	integer	No	NOT NULL	No	Place in which this option appears in the list of options.

## uap\_tt\_map\_text

This table associates localized display text for form elements with specific forms. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
map_id	integer	Yes	NOT NULL	Yes	ID of a form. Foreign key to uap_tt_map.
text_id	integer	Yes	NOT NULL	Yes	ID of an item of localized text used on the form. Foreign key to uap_tt_localized_text.

## uap\_tt\_metrics

This table stores information about each metric in your system.

Name	Datatype	Is PK	Null Option	Is FK	Description
metric_id	string (50)	Yes	NOT NULL	No	Metric ID name.
display_name	string (100)	No	NULL	No	Metric display name.
description	string (300)	No	NULL	No	Metric description.

## uap\_tt\_mo\_map\_info

This table stores additional properties of single-select object reference attributes, multi-select object reference attributes, and object attribute field reference attributes. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
mo_map_info_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for this row.
map_id	integer	No	NOT NULL	Yes	Unique identifier for the form that contains the attribute. Foreign key to uap_tt_map.

Name	Datatype	Is PK	Null Option	Is FK	Description
map_info_id	integer	No	NOT NULL	Yes	Unique identifier for the attribute. Foreign key to uap_tt_map_info.
mo_type	string (50)	No	NULL	No	Type of marketing object to display to users.
template_name	string (100)	No	NULL	No	Name of the marketing object template to use to create or filter marketing objects associated with this attribute.
reference_attribute	string (200)	No	NULL	No	Internal name of the attribute that references the marketing object.
attribute_name	string (200)	No	NULL	No	Name of the marketing object attribute referenced by this attribute.
is_auto_create	string (1)	No	NULL	No	Whether to create an empty marketing object when users create an object by using a template that contains this attribute. Possible values are Y and N.
is_modifies	string (1)	No	NULL	No	Whether the form updates the marketing object. Possible values are Y and N.
onClickGoTo	integer	No	NULL	No	Tab to display when user clicks on the object link in the form. The following values are valid: 0 = N/A (Used in form attributes) 1 = Summary tab 2 = Analysis tab

## uap\_tt\_ms\_link

This table stores information about the junction tables used by multi-select database attributes. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
ms_link_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each row in the table.
map_id	integer	No	NOT NULL	Yes	ID of the form that contains the multi-select database attribute. Foreign key to uap_tt_map.
map_info_id	integer	No	NOT NULL	Yes	ID of the multi-select database attribute. Foreign key to uap_tt_map_info.
table_name	string (50)	No	NULL	No	Name of the junction table.
key_column	string (50)	No	NULL	No	Key column name.
key_type	string (50)	No	NULL	No	Data type for the key column. Marketing Operations retrieves the data type from the database.
link_key_column	string (50)	No	NULL	No	Link database key column.
link_key_type	string (50)	No	NULL	No	Data type for ms link key column. Marketing Operations retrieves the data type from the database.
root_element	string (100)	No	NULL	No	Name of the multi-select attribute.

## uap\_tt\_m\_templates

This table stores information about the metrics templates in your system.

Name	Datatype	Is PK	Null Option	Is FK	Description
m_template_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each metric template.
display	string (100)	No	NULL	No	Metric template display name.
description	string (300)	No	NULL	No	Metric template description.



Name	Datatype	Is PK	Null Option	Is FK	Description
name	string (50)	No	NULL	No	Metric template ID name.

## uap\_tt\_roles

This table stores associations between roles and templates.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	Yes	ID of a template. Foreign key to uap_tt_templates.
role_id	integer	Yes	NOT NULL	No	ID of a role. Foreign key to uap_ml_role.
role_name	string (255)	No	NULL	No	Name of the role.
flag_team_mem	boolean	No	NULL	No	Whether or not this is a team member role.

## uap\_tt\_rules

This table stores the rules file; rules files are used to validate grid tabs.

Name	Datatype	Is PK	Null Option	Is FK	Description
rule_file_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each rules file.
rules_name	string (100)	No	NOT NULL	No	Name of the rules file.

## uap\_tt\_sec\_policy

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	Yes	
sec_policy_id	integer	Yes	NOT NULL	No	

## uap\_tt\_tab

This table stores information about template tabs created by administrators.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	Yes	ID of a template. Foreign key to uap_tt_templates.
map_id	integer	Yes	NOT NULL	Yes	ID of a form. Foreign key to uap_tt_map.
tab_order	integer	No	NULL	No	The numerical position for this form in this template.
name	string (100)	No	NULL	No	Internal, system-generated name of the tab.
display	string (100)	No	NULL	No	Display name of the tab.
map_file	string (200)	No	NULL	No	Name of the form.
page_style	string (20)	No	NULL	No	Whether the form displays as a separate tab or as part of the Summary tab. The following values are valid:  summary  tab
show_in_wizard	string (20)	No	NULL	No	Whether this tab displays in the wizard. Possible values are Y and N.
show_in_request	string (20)	No	NULL	No	Whether this tab displays in project requests. Possible values are Y and N.
validation_class	string (200)	No	NULL	No	Grid tabs can have validation; if so, this is the validation class used to validate this grid tab.
rules_file_id	integer	No	NULL	No	Unique ID for the rules file associated with this grid tab. Foreign key into uap_tt_rules table.

Name	Datatype	Is PK	Null Option	Is FK	Description
display_rule_id	integer	No	NULL	Yes	The display rule specifies the conditions based on which the form is shown expanded to the users; if the rule is not satisfied the form is displayed as collapsed. Foreign key into uap_tt_wf_rule table, rule_id.

## uap\_tt\_templates

This table contains information about each template in your system.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each template
object_type	integer	No	NULL	No	Marketing Operations object type. Possible values are the standard object types as well as all marketing object types defined in the system.
template_name	string (50)	No	NULL	No	Internal, system-generated name of the template.
actual_display	string (50)	No	NULL	No	Default name of object created using this template.
folder_name	string (50)	No	NULL	No	Name of the template folder that contains the template.
folder_icon	string (300)	No	NULL	No	This column is not currently in use.
description	string (300)	No	NULL	No	Template description
display	string (50)	No	NULL	No	Display name of this template.

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Name	Datatype	Is PK	Null Option	Is FK	Description
pid_prefix	string (30)	No	NULL	No	Prefix to use in external IDs for objects created using this template.
pid_gen_class	string (100)	No	NULL	No	Name of the java class used to generate the algorithm for external IDs for objects created using this template.
validation_class	string (100)	No	NULL	No	Validation java class name
use_campaign_code	integer	No	NULL	No	
service_url	string (200)	No	NULL	No	Campaign web service URL
data_map_file	string (300)	No	NULL	No	This column is not in use currently.
metrics_map_file	string (300)	No	NULL	No	Campaign import metrics map file name
m_template_id	integer	No	NULL	Yes	ID of the metrics template used by this template. Foreign key to uap_tt_m_templates.
workflow_id	integer	No	NULL	Yes	ID of the workflow template used by this template. Foreign key to uap_tt_workflows.
camp_folder_id	string (50)	No	NULL	No	
state	integer	No	NULL	No	Template state. The following are valid values. 0 = Enabled 1 = Disabled 2 = Deleted
icon_id	integer	No	NULL	Yes	ID of the icon to use for this template. Foreign key to uap_tt_icons.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_file	string (300)	No	NULL	Yes	IBM Unica Marketing Operations generates the value for this field.
partition_id	string (50)	No	NULL	No	Partition of the IBM Unica Campaign instance in which to create the campaigns for projects created using this template.
data_map_id	integer	No	NULL	Yes	ID of the data mapping file for projects created using this template. This column is used only for pre-8.0 integration with Campaign. Foreign key to uap_tt_data_map.
metric_map_id	integer	No	NULL	No	
parent_folder_id	integer	No	NULL	No	ID of the parent template folder.
sec_policy_mode	integer	No	NULL	No	This column was added in version 8.0.
campaign_template_type	integer	No	NULL	No	Type of the campaign template. The following values are valid:  0 = non-campaign template  1 = campaign project template created before version 8.0  2 = campaign project template created in version 8.0  This column was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
tcs_approval_required	integer	No	NULL	No	This column was added in version 8.2.0. This column indicates whether or not top-down tcs approval is enforced and correspondingly, whether or not the "is approved" column is part of the tcs tab of the templates instances.  0 = approval not enforced 1 = approval enforced

## uap\_tt\_tool\_tab

This table contains information about the tabs on which a custom link is available in a template.

Name	Datatype	Is PK	Null Option	Is FK	Description
ext_tool_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each custom link. Foreign key to uap_tt_ext_tools.
map_id	integer	Yes	NOT NULL	Yes	ID of a form. Foreign key to uap_tt_map.
template_id	integer	Yes	NOT NULL	Yes	ID of a template. Foreign key to uap_tt_templates.

## uap\_tt\_tvc

This table stores information about each grid. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
tvc_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each grid.
map_id	integer	No	NOT NULL	Yes	Unique identifier for the form that contains the grid. Foreign key to uap_tt_map.

Name	Datatype	Is PK	Null Option	Is FK	Description
map_info_group_id	integer	No	NULL	Yes	Unique identifier for the attribute group that contains the grid. Foreign key to uap_tt_map_info_group.
element_name	string (100)	No	NULL	No	Internal name of the grid.
label	string (1024)	No	NULL	No	Display name of the grid.
tablename	string (50)	No	NULL	No	Name of the database table for the grid.
key_column	string (50)	No	NULL	No	Key column of the database table for the grid.
key_type	string (50)	No	NULL	No	Data type of the key column.
viewtype	integer	No	NULL	No	The type of grid. The following values are valid: 0 = Line wrap view 1 = Line truncate view 2 = Two line staggered view 3 = Editable grid view
pagesize	integer	No	NULL	No	Number of rows per page on the grid UI.
tab_order	integer	No	NULL	No	Tab order of the grid.
parent_filter_column_name	string (100)	No	NULL	No	Name of the column that contains the value on which to filter.
showExportLink	string (1)	No	NULL	No	Whether or not to show the Export link. Possible values are Y and N.
showGroupByLink	string (1)	No	NULL	No	Whether or not to show the Group by link. Possible values are Y and N.
showViewLink	string (1)	No	NULL	No	Whether or not to show the View link. Possible values are Y and N.

Name	Datatype	Is PK	Null Option	Is FK	Description
defaultSortColumn	string (50)	No	NULL	No	Name of the default sort column for the grid.
dataposturl	string (1024)	No	NULL	No	URL to which to post the data.
is_tcs	integer	No	NULL	No	Whether or not the grid is a TCS. The following values are valid:  0 = Not a TCS grid  1 = TCS grid

## uap\_tt\_tvc\_info\_group

This table stores information about attribute groups placed on grids. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
tvc_info_group_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each row in the table.
map_id	integer	No	NOT NULL	Yes	Unique identifier for the form that contains the grid that contains the attribute group. Foreign key to uap_tt_map.
tvc_id	integer	No	NOT NULL	Yes	Unique identifier for the grid that contains the attribute group. Foreign key to uap_tt_tvc.
element_name	string (100)	No	NULL	No	Internal name of the attribute group.
tab_order	integer	No	NULL	No	Tab order of the group.
header	string (200)	No	NULL	No	Display name of the group.
description	string (1024)	No	NULL	No	Description of the group.



Name	Datatype	Is PK	Null Option	Is FK	Description
show_group	string (20)	No	NULL	No	Whether to show or hide the group name. The following values are valid:  0 = Hide  1 = Show

## uap\_tt\_tvc\_map\_info

This table stores additional information about attributes used in grids. This table was added in version 8.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
tvc_map_info_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each row in the table.
map_id	integer	No	NOT NULL	Yes	Unique identifier for the form that contains the grid attribute. Foreign key from uap_tt_map.
tvc_id	integer	No	NOT NULL	Yes	Unique identifier for the grid that contains the attribute. Foreign key from uap_tt_tvc.
map_info_id	integer	No	NOT NULL	Yes	Unique identifier for the attribute. Foreign key from uap_tt_map_info.
alignment	integer	No	NULL	No	Alignment for the attribute. Valid values are left, right, and center.
sortType	integer	No	NULL	No	How the attribute values are sorted. Valid values are ascending and descending.
is_sortable	string (1)	No	NULL	No	Whether or not the attribute is sortable. Possible values are Y and N.

Name	Datatype	Is PK	Null Option	Is FK	Description
can_group_by	string (1)	No	NULL	No	Whether or not the grid can be grouped by this attribute. Possible values are Y and N.
cacheLookupValues	string (1)	No	NULL	No	Whether or not to cache the lookup values for this attribute. Possible values are Y and N.
url_db_column_name	string (50)	No	NULL	No	This column was moved to the base table uap_tt_map_info in version 8.1.0.
objectType	integer	No	NULL	No	This column is not used currently.
templateName	string (100)	No	NULL	No	Name of the marketing object template associated with this attribute.
marketingObjectType	string (100)	No	NULL	No	Object type of the marketing objects associated with this attribute.
formattingClass	string (1024)	No	NULL	No	Java class name used for formatting the value. This column only applies to read-only grids.
onClickGoTo	integer	No	NULL	No	Tab of the referenced marketing object that opens when users click the object link created by this attribute.
attributeName	string (100)	No	NULL	No	Name of the marketing object attribute this grid attribute references.
objectIdColumnName	string (100)	No	NULL	No	Name of the object instance ID column for the marketing object this attribute references.
objectTypeColumnName	string (100)	No	NULL	No	Name of the object type column for the marketing object this attribute references.

Name	Datatype	Is PK	Null Option	Is FK	Description
gridColumnName	string (100)	No	NULL	No	Marketing object form grid column name.
summary_function	integer	No	NULL	No	Added to support the summary function in grids in version 8.1.0.

## uap\_tt\_workflow\_template

Name	Datatype	Is PK	Null Option	Is FK	Description
Workflow_id	integer	Yes	NOT NULL	No	
Name	string (50)	No	NOT NULL	No	
Taskcode_prefix	string (100)	No	NULL	No	
Status_flag	integer	Yes	NOT NULL	No	
Created_date	Datetime	No	NULL	No	
Last_mod_date	Datetime	No	NULL	No	

## uap\_tt\_workflows

This table stores information about workflow templates.

Name	Datatype	Is PK	Null Option	Is FK	Description
workflow_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each workflow template
name	string (50)	No	NULL	No	Workflow template name
taskcode_prefix	string (100)	No	NULL	No	Used to construct a task code. Task codes are used to uniquely identify tasks, for use with the API.

# 19 Triggers

- [Trigger tables overview](#)
- [uap\\_procedure\\_binding](#)
- [uap\\_trigger\\_binding](#)
- [uap\\_trigger\\_defn](#)
- [uap\\_trigger\\_params](#)

## Trigger tables overview

The following tables contain information about triggers.

Unless stated otherwise, the tables in this section were added in version 7.3.

## uap\_procedure\_binding

This table contains the details for the trigger bindings that are defined in IBM Unica Marketing Operations. This table was added in version 7.4.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
pb_id	integer	Yes	NOT NULL	No	Unique ID for the trigger binding.
name	string (256)	No	NOT NULL	No	
object_type	string (256)	No	NULL	No	
template	string (256)	No	NOT NULL	No	
context_type	string (256)	No	NULL	No	
basic_event_type	string (256)	No	NULL	No	
exclusivo	string (1)	No	NULL	No	Boolean value to indicate whether or not the trigger binding is exclusive.
procedure_class	string (255)	No	NOT NULL	No	

## uap\_trigger\_binding

Name	Datatype	Is PK	Null Option	Is FK	Description
trigger_id	integer	Yes	NOT NULL	Yes	Foreign key into uap_trigger_defn table.
event_type	string (32)	No	NULL	No	
object_type	string (32)	No	NULL	No	
object_id	integer	Yes	NOT NULL	No	

## uap\_trigger\_defn

Name	Datatype	Is PK	Null Option	Is FK	Description
trigger_id	integer	Yes	NOT NULL	Yes	Unique ID for a trigger.
trigger_name	string (64)	No	NOT NULL	No	Text name for a trigger.
trigger_desc	string (1024)	No	NULL	No	Text description for a trigger.
event_type	string (32)	No	NULL	No	
object_type	string (32)	No	NULL	No	
condition_class	string (255)	No	NOT NULL	No	
action_class	string (255)	No	NOT NULL	No	

## uap\_trigger\_params

Name	Datatype	Is PK	Null Option	Is FK	Comment
param_id	integer	Yes	NOT NULL	No	
trigger_id	integer	No	NOT NULL	Yes	Foreign key into uap_trigger_defn table.

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<b>Name</b>	<b>Datatype</b>	<b>Is PK</b>	<b>Null Option</b>	<b>Is FK</b>	<b>Comment</b>
param_name	string (255)	No	NOT NULL	No	Text name for a parameter.
param_class	string (255)	No	NOT NULL	No	
param_value	string (1024)	No	NULL	No	

# 20 Workflow

- [Workflow Tables overview](#)
- [uap\\_tt\\_wf\\_rule](#)
- [uap\\_wf\\_dep](#)
- [uap\\_wf\\_milestone](#)
- [uap\\_wf\\_role](#)
- [uap\\_wf\\_teams](#)
- [uap\\_wf\\_users](#)
- [uap\\_workflow](#)

## Workflow Tables overview

The following tables contain information about workflows in IBM Unica Marketing Operations.

### uap\_tt\_wf\_rule

This table stores recipients rules configured by the administrators. This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
rule_id	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each recipients rule.
Template_id	integer	No	NULL	Yes	Unique identifier of the template in which this rule is used. Foreign key to uap_tt_template.
rule	string (16)	No	NOT NULL	No	Rule in XML format.

### uap\_wf\_dep

Project workflow steps can have one or more dependencies within a project workflow

Name	Datatype	Is PK	Null Option	Is FK	Description
wf_no	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each workflow step or stage. Foreign key to uap_workflow.
dep_seq	integer	Yes	NOT NULL	No	
project_id	integer	No	NULL	Yes	Unique ID generated by the system for each project and project request. Foreign key to uap_projects.
dep_wf_no	integer	No	NULL	No	Workflow step internal number/ID.

## uap\_wf\_milestone

 This table is a view created to support cognos reports.

Name	Datatype	Is PK	Null Option	Is FK	Description
milestone_type	integer	Yes	NOT NULL	No	Unique ID generated by the system for each milestone type.
milestone_desc	string (100)	No	NULL	No	Milestone type description/display name.

## uap\_wf\_role

Name	Datatype	Is PK	Null Option	Is FK	Description
wf_no	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each workflow step or stage. Foreign key to uap_workflow.
role_id	integer	Yes	NOT NULL	Yes	Workflow task resource role/type ID. Foreign key to uap_ml_role.



Name	Datatype	Is PK	Null Option	Is FK	Description
role_type	integer	Yes	NOT NULL	No	Type of the role. The following values are valid: 1 Team Member/Owner 2 Reviewer/Recipient
role_order	integer	No	NULL	No	The order of the role in the approval.

## uap\_wf\_teams

This table stores information about teams and users assigned to workflow tasks. This table was added in version 7.3.

Name	Datatype	Is PK	Null Option	Is FK	Description
wf_no	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each workflow step or stage. Foreign key to uap_workflow.
team_id	integer	Yes	NOT NULL	Yes	Unique identifier for the team. Foreign key into uap_teams.
user_id	integer	Yes	NOT NULL	Yes	User ID. Foreign key into uap_users.

## uap\_wf\_users

Name	Datatype	Is PK	Null Option	Is FK	Description
wf_no	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each workflow step or stage.
user_id	integer	Yes	NOT NULL	Yes	User ID of a workflow task member. Foreign key to uap_user.

## uap\_workflow

This table contains data for project workflow stages and steps.

Name	Datatype	Is PK	Null Option	Is FK	Description
wf_no	integer	Yes	NOT NULL	No	Unique identifier generated by the system for each workflow step or stage.
name	string (256)	No	NULL	No	Name of the stage or step. Size of the field was changed to 256 for version 7.4.0.
project_id	integer	No	NULL	Yes	Unique identifier for a project or project request. Foreign key for uap_projects.
display_order	integer	No	NULL	No	Order of the stage or step. This value is used to determine the sort order for the stages.
display_id	string (10)	No	NULL	No	Step display integer. This appears along with the step or stage name in the user interface. (For example, "1.1 Creative Approval Task.")
flag_stage	string (1)	No	NULL	No	Workflow item type. If the value is Y, the item is a stage. Otherwise, it is a step.
start_date	date	No	NULL	No	Workflow step start date.
end_date	date	No	NULL	No	Workflow step end date.
flag_anchor	string (1)	No	NULL	No	Anchor date flag
forecast_st	date	No	NULL	No	Workflow step forecast start date.
forecast_end	date	No	NULL	No	Workflow step forecast end date.
duration	floating pt	No	NULL	No	Workflow step predicted/forecast duration.

Name	Datatype	Is PK	Null Option	Is FK	Description
actual_duration	floating pt	No	NULL	No	Workflow step actual duration.
pcnt_comp	integer	No	NULL	No	Percent complete.
parent_stage	integer	No	NULL	No	Parent stage if the entry is a step.
flag_link	string (1)	No	NULL	No	Workflow step link flag. The value is Y if the step is linked and null if it is not linked.
link_object	string (20)	No	NULL	No	The type of task (for example, peopletask or approval).
link_id	integer	No	NULL	No	Workflow step link object ID. If the value for the link_object column is APPROVAL, the value for this field is the approval ID.
status_code	string (20)	No	NULL	No	
state_code	string (20)	No	NULL	No	Status of the stage or task. These values are valid:  PENDING  ACTIVE  FINISHED  SKIPPED
notes	string (1024)	No	NULL	No	
milestone_type	integer	No	NULL	Yes	Workflow step or Task milestone type. Foreign key to uap_wf_milestone.
error_code	string (20)	No	NULL	No	Workflow task error code such as date rippling error.
effort	string (20)	No	NULL	No	Estimated effort.
actual_effort	string (20)	No	NULL	No	Actual effort.

Name	Datatype	Is PK	Null Option	Is FK	Description
scheduling_mask	integer	No	NULL	No	Determines whether a workflow step schedules through weekends, non-work time, or both.
duration_str	string (20)	No	NULL	No	Workflow step predicted/forecast duration in DD-HH-MM format. This column was added in version 7.5.
actual_duration_str	string (20)	No	NULL	No	Workflow step actual duration of the task in DD-HH-MM format. This column was added in version 7.5.
effort_str	string (20)	No	NULL	No	Estimated effort of the task in DD-HH-MM format. This column was added in version 7.5.
actual_effort_str	string (20)	No	NULL	No	Actual effort in DD-HH-MM format. This column was added in version 7.5.
enable_attachments	string (2)	No	NULL	No	Flag to allow attachments to task. This column was added in version 7.5.
required	string (2)	No	NULL	No	Workflow task is required task or not. This column was added in version 7.5.
enforce_dep	string (2)	No	NULL	No	Flag to enforce dependency between workflow task. This column was added in version 7.5.
task_code	string (100)	No	NULL	No	Used to uniquely identify tasks, for use with the SDK. This column was added in version 7.5.

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Name	Datatype	Is PK	Null Option	Is FK	Description
ready_to_start	integer	No	NULL	No	This column was added in version 8.2.0. It identifies whether or not dependencies are complete.  0 = Not ready to start. 1 = Ready to start.
last_mod_date	datetime	No	NULL	No	This column was added in version 8.5.0. The last updated date for the workflow task.

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# 21 User Management and Security

- User Mmanagement and security tables overview
- uap\_function
- uap\_mem\_fn\_map
- uap\_role\_fn\_map
- uap\_roles
- uap\_sec\_policy
- uap\_template\_function
- uap\_tt\_role\_member\_type\_map
- uap\_uf\_crit
- uap\_user
- uap\_user\_cal\_opt
- uap\_user\_folders
- uap\_user\_list
- uap\_user\_menu\_pref
- uap\_user\_roles
- uap\_utype\_pref

## User Mmanagement and security tables overview

The following tables store information about user management and security.

### uap\_function

This table contains entries for all the functions in the system; each function can be granted, denied, or inherited for a particular security policy. This table was added in version 7.3.

Name	Datatype	Is PK	Null Option	Is FK	Description
function_id	integer	Yes	NOT NULL	No	Unique identifier for the function.
name	string (50)	No	NULL	No	Internal name of the function.
description	string (100)	No	NULL	No	Display name for the function.
object_fn_cat	string (50)	No	NOT NULL	No	Category of the function. The following are valid values:  ACCESSIBLE_OPTION ANALYSIS ATTACHMENT BUDGET FOLDERS GENERAL PEOPLE SUMMARY TRACKING WORKFLOW
object_type	string (50)	No	NULL	No	Type of object (for example, project) that uses this function.
display_order	integer	No	NULL	No	Order to display this function on screen when setting permissions.

## uap\_mem\_fn\_map

Name	Datatype	Is PK	Null Option	Is FK	Description
mem_type_id	integer	Yes	NOT NULL	Yes	
function_id	integer	Yes	NOT NULL	Yes	
sec_policy_id	integer	Yes	NOT NULL	Yes	

## uap\_role\_fn\_map

Name	Datatype	Is PK	Null Option	Is FK	Description
role_id	integer	Yes	NOT NULL	Yes	
function_id	integer	Yes	NOT NULL	Yes	
extd_perm	string (1)	No	NULL	No	

## uap\_roles

Name	Datatype	Is PK	Null Option	Is FK	Description
roles_id	integer	Yes	NOT NULL	No	Unique identifier for the role.
role_name	string (50)	No	NULL	No	Name for the role.
role_desc	string (255)	No	NULL	No	Text description for the role.
sec_policy_id	integer	No	NULL	No	Foreign key into uap_sec_policy.sec_policy_id.

## uap\_sec\_policy

Name	Datatype	Is PK	Null Option	Is FK	Description
sec_policy_id	integer	Yes	NOT NULL	No	Unique identifier for the security policy.
name	string (50)	No	NULL	No	Name for the security policy as it appears in Marketing Operations
description	string (255)	No	NULL	No	Text description for the security policy.



Name	Datatype	Is PK	Null Option	Is FK	Description
policy_type	string (20)	No	NULL	No	Security policy type. The following are valid values: S Global policy C all other policies
status_code	string (20)	No	NULL	No	Status of the policy. The following are valid values: ACTIVE DISABLED

## uap\_template\_function

This table stores the template-level functions. These functions map to functions defined in uap\_function. This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
Template_function_id	integer	Yes	NOT NULL	No	Template Function ID.
Function_id	integer	No	NOT NULL	Yes	Corresponding function ID in uap_function.
Template_id	integer	No	NOT NULL	Yes	Template ID. Primary key from uap_tt_templates.
Object_type	string (100)	No	NOT NULL	No	Object current object type (for example, Project or Request).
Map_id	integer	No	NOT NULL	Yes	ID of the tab. Primary key from uap_tt_map.

## uap\_tt\_role\_member\_type\_map

This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
Role_id	integer	No	NOT NULL	Yes	Role ID for which mapping is to be stored. Primary key from uap_roles.

Name	Datatype	Is PK	Null Option	Is FK	Description
Template_id	integer	No	NOT NULL	Yes	Template with which the role is defined. Primary key from uap_tt_template.
Flag_team_mem	string	No	NOT NULL	No	Membership flag.
Object_type	string (100)	No	NOT NULL	No	Object current object type (for example, Project, Request)
Mem_type_id	integer	Yes	NOT NULL	No	Mapping with Member Type ID.

## uap\_uf\_crit

Name	Datatype	Is PK	Null Option	Is FK	Description
ufolder_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each user personalized folder.
seq_no	integer	Yes	NOT NULL	No	User folder search/selection criteria sequence number.
col_name	string (50)	No	NULL	No	Search criteria column name
col_value	string (255)	No	NULL	No	Search criteria column value.
crit_operator	string (20)	No	NULL	No	Search criteria operator. The following are valid values: = LIKE
crit_logic_op	string (3)	No	NULL	No	Search criteria logical operator. The following are valid values: AND OR

## uap\_user

A user defined in the planning system. Contains definitions and privileges.

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	Yes	NOT NULL	No	
first_name	string (64)	No	NULL	No	Size of the field was increased to 64 in version 8.0.
last_name	string (80)	No	NULL	No	Size of the field was increased to 80 in version 8.0.
login_id	string (200)	No	NULL	No	Size of the field was changed from 20 to 100 in version 7.3. Size of the field was changed from 100 to 200 in version 8.0.
email_id	string (100)	No	NULL	No	
last_mod_date	date	No	NULL	No	
status_code	string (20)	No	NULL	No	The following are valid values:  ENABLED  DISABLED  DELETED
locale	string (10)	No	NULL	No	The locale for the user. This column was added in version 7.4.0.

## uap\_user\_cal\_opt

Name	Datatype	Is PK	Null Option	Is FK	Description
calendar_type	string (20)	Yes	NOT NULL	No	Value must be one of the CAT_* constants defined in UAPConstants.java.
user_id	integer	Yes	NOT NULL	Yes	

Name	Datatype	Is PK	Null Option	Is FK	Description
seq_no	integer	Yes	NOT NULL	No	
column_value	string (50)	No	NULL	No	For predefined info, its value is one of the PROJECT_* constants defined in UAPListConstants.java.  For milestone types, its value is uap_wf_milestone.milestone_type.
column_type	string (20)	No	NULL	No	

## uap\_user\_folders

Name	Datatype	Is PK	Null Option	Is FK	Description
ufolder_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each user personalized folder
user_id	integer	No	NOT NULL	Yes	Folder user ID. Foreign key to uap_user.user_id.
name	string (50)	No	NULL	No	Folder name
description	string (255)	No	NULL	No	Folder description
folder_type	string (20)	No	NULL	No	Folder type. Possible values are PROJECT PROGRAM PLAN
parent_folder	integer	No	NULL	No	Parent system folder ID. This value refers to the ufolder_id of another row within this table.

Name	Datatype	Is PK	Null Option	Is FK	Description
sys_folder_id	integer	No	NULL	No	System folder ID. The following values are valid: -1 User saved search 1 All Projects and Requests 2 All Active Projects and Requests 3 My Projects 4 My Requests 11 All Programs 12 Active Programs 13 My Programs 21 All Invoices 22 My Active Invoices 31 All Plans 32 Active Plans 41 All Accounts 42 Active Accounts 51 All RFQs 52 Active RFQs
created_by	integer	No	NULL	Yes	User ID of the user who created the search. Foreign key to uap_user.user_id.

## uap\_user\_list

Name	Datatype	Is PK	Null Option	Is FK	Description
column_type	string (20)	Yes	NOT NULL	No	Possible values are <code>list</code> or <code>calendar</code> .
ufolder_id	integer	Yes	NOT NULL	Yes	Unique ID generated by the system for each user personalized folder.

Name	Datatype	Is PK	Null Option	Is FK	Description
seq_no	integer	Yes	NOT NULL	No	List column sequence number.
column_id	string (50)	No	NULL	No	List column database column ID/name
tab_order	integer	No	NULL	No	List column display order
flag_ext_col	string (1)	No	NULL	No	Value = $\text{Y}$ if this column is extended/custom database table column.  Value = $\text{N}$ if this column is a standard/predefined column

## uap\_user\_menu\_pref

This table specifies, for each user, the menu and menu item to display as the default when they log in to IBM Unica Marketing Operations. This table was added in version 7.3.

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	Yes	NOT NULL	No	Unique ID generated by the system for each user.
menu_group_id	string (64)	Yes	NOT NULL	No	User starts with this menu group upon logging in.
default_menu_item	string (64)	No	NOT NULL	No	User sees this menu item as the default upon logging in.

## uap\_user\_roles

This table maps a user to his or her security role in a security policy. A user has a row in this table for each security policy in which that user participates.

Name	Datatype	Is PK	Null Option	Is FK	Description
role_id	integer	Yes	NOT NULL	Yes	Foreign key into uap_roles.role_id

Name	Datatype	Is PK	Null Option	Is FK	Description
sec_policy_id	integer	Yes	NOT NULL	Yes	Foreign key into uap_sec_policy.sec_policy_id.
user_id	integer	Yes	NOT NULL	Yes	Foreign key into uap_user.user_id.

## uap\_utype\_pref

Each user can set their starting screen when they view projects. This table stores those preferences. This table was new in version 7.3.

Name	Datatype	Is PK	Null Option	Is FK	Description
user_id	integer	Yes	NOT NULL	Yes	User ID. Foreign key to uap_users.user_id.
type	string (50)	Yes	NOT NULL	Yes	Type of object to start in (for example, project).
startup_folder_id	integer	Yes	NULL	Yes	ID of the folder to start in. (For example, 1 corresponds to All Projects and Requests.) Foreign key into uap_user_folders.ufolder.id.
default_view	string (20)	No	NULL	No	The default view for the Task view (either List or Calendar). This column was added in version 7.4.1.

# 22 User Notification

- User notification tables overview
- uap\_default\_alerts
- uap\_cust\_alert\_header\_footer
- uap\_customized\_alerts
- uap\_email\_queue
- uap\_event\_queue
- uap\_mem\_notify
- uap\_member\_type
- uap\_notifications
- uap\_notify\_msg
- uap\_ws\_alerts

## User notification tables overview

The following tables contain information about user notifications, including alerts and email.

### uap\_default\_alerts

This table stores default alert messages for each locale. This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
event_id	integer	Yes	NOT NULL	No	Unique identifier for the event.
locale	string (10)	Yes	NOT NULL	No	Locale in which the message is used.
object_type	integer	Yes	NOT NULL	No	Object type of the event.
subject_general	string	No	NOT NULL	No	Subject of the alert message.



Name	Datatype	Is PK	Null Option	Is FK	Description
subject_exclusive	string	No	NULL	No	Personalized subject of the alert message.
body_general	string	No	NULL	No	Body message of the alert message.
body_exclusive	string	No	NULL	No	Personalized body message of the alert message.

## uap\_cust\_alert\_header\_footer

This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
template_id	integer	Yes	NOT NULL	No	Primary key. Template ID. Primary key from uap_tt_template.
Locale	string (10)	Yes	NOT NULL	No	Primary Key Locale.
Header	string		NULL	No	Header message to be sent with email alert message.
Footer	string	No	NULL	No	Footer message to be sent with email alert message.

## uap\_customized\_alerts

This table stores the alert messages customized by the user. This table was added in version 7.5.

Name	Datatype	Is PK	Null Option	Is FK	Description
event_id	integer	Yes	NOT NULL	No	Primary key. Event ID.
locale	string (10)	Yes	NOT NULL	No	Primary key. Locale of the message.
template_id	integer	Yes	NOT NULL	Yes	Template ID. Foreign key from uap_tt_template.

Name	Datatype	Is PK	Null Option	Is FK	Description
object_type	integer	Yes	NOT NULL	No	Primary key. Object type of the event.
subject_general	string	No	NOT NULL	No	Subject of the alert message.
subject_exclusive	string	No	NULL	No	Personalized subject of the alert message.
body_general	string	No	NULL	No	Body message of the alert message.
body_exclusive	string	No	NOT NULL	No	Personalized body message of the alert message.

## uap\_email\_queue

Name	Datatype	Is PK	Null Option	Is FK	Description
email_id	integer	Yes	NOT NULL	No	Unique identifier for the email message
notify_id	integer	No	NOT NULL	No	
post_datetime	date	No	NOT NULL	No	Date and time for when the message was posted.
resend_count	integer	No	NOT NULL	No	
resend_datetime	date	No	NOT NULL	No	
resend_status	integer	No	NOT NULL	No	
to_address	string (64)	No	NOT NULL	No	
from_address	string (64)	No	NOT NULL	No	
reply_address	string (1024)	No	NOT NULL	No	
priority_type	integer	No	NOT NULL	No	
subject	string (300)	No	NOT NULL	No	Subject line for the message. The size of the field was changed to 300 in version 7.4.0.

Name	Datatype	Is PK	Null Option	Is FK	Description
content	string (unlimited)	No	NOT NULL	No	Text content of the message. The size of the field was increased in version 7.3 and again in 7.4.1. The field now supports unlimited text length.
status	string (20)	No	NULL	No	This column was added in version 7.4.0.
plan_server	string (50)	No	NULL	No	For a clustered environment, the name of the server for which the item is queued.

## uap\_event\_queue

Name	Datatype	Is PK	Null Option	Is FK	Description
event_id	integer	Yes	NOT NULL	No	
event_type	integer	No	NOT NULL	No	
post_datetime	date	No	NOT NULL	No	
src_object_type	integer	No	NOT NULL	No	
src_object_id	integer	No	NOT NULL	No	
user_id	integer	No	NULL	No	
comments	string (unlimited)	No	NULL	No	The size of the field was increased for version 7.4.1. The field now supports unlimited text length.
status	string (20)	No	NULL	No	This column was added in version 7.4.0.
plan_server	string (50)	No	NULL	No	For clustered environments, the name of the server for which the item is queued. This column was added in version 7.4.0.

## uap\_mem\_notify

Name	Datatype	Is PK	Null Option	Is FK	Description
mem_type_id	integer	Yes	NOT NULL	Yes	
event_type	integer	Yes	NOT NULL	Yes	
delivery_mask	integer	No	NULL	No	

## uap\_member\_type

This table defines all the member types for system objects. This table was added in version 7.3.

Name	Datatype	Is PK	Null Option	Is FK	Description
mem_type_id	integer	Yes	NOT NULL	No	Unique identifier for the membership type.
mem_name	string (255)	No	NULL	No	Name of the membership type. Possible values are as follows: Approver Manager Owner Participant Recipient Requester
object_type	string (50)	No	NULL	No	The object type corresponding to the membership. For example, a program object has membership types of Owner and Participant.
Template_id	integer	No	NOT NULL	No	Stored the template ID. Default values is -1.

## uap\_notifications

This table contains the details for notifications, which are sent as alerts in Marketing Operations.

Name	Datatype	Is PK	Null Option	Is FK	Description
notify_id	integer	Yes	NOT NULL	No	Unique identifier for the notification.
post_datetime	date	No	NOT NULL	No	Date and time the notification was created.
evt_id	integer	No	NULL	Yes	Identifier of the event that caused the notification.
evt_type	integer	No	NOT NULL	No	Type of the event that caused the notification.
evt_post_datetime	date	No	NOT NULL	No	Date and time the event that caused the notification occurred.
evt_source_type	integer	No	NOT NULL	No	
evt_source_id	integer	Yes	NOT NULL	No	
evt_user_id	integer	No	NULL	No	
evt_comments	string (unlimited)	No	NULL	No	The text of the notification. The size of this field was increased in version 7.4.1 to support unlimited text length.

## uap\_notify\_msg

Name	Datatype	Is PK	Null Option	Is FK	Description
event_type	integer	Yes	NOT NULL	No	Type of the event
object_type	integer	No	NULL	No	Object type of the event
category_type	integer	No	NULL	No	Category of the event
description	string (100)	No	NULL	No	Message description

Name	Datatype	Is PK	Null Option	Is FK	Description
display_order	integer	No	NULL	No	Display order of event
is_exclusive	integer	No	NULL	No	Does this event support personalization. This column was added in version 7.5.

## uap\_ws\_alerts

Name	Datatype	Is PK	Null Option	Is FK	Description
notify_id	integer	Yes	NOT NULL	Yes	
post_datetime	date	No	NULL	No	
status	integer	Yes	NOT NULL	No	
source_type	integer	No	NULL	No	
source_id	integer	No	NULL	No	
message	string (1024)	No	NULL	No	