

Portfolio Management Tool (PMT)

Database Documentation

Schema Diagrams

- PMT 2.0
- PMT 3.0

Draft Version

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Most entities have a taxonomy table, their relationships are not shown to reserve readability.

boundary_taxonomy
contact_taxonomy
detail_taxonomy
financial_taxonomy
location_taxonomy
organization_taxonomy
participation_taxonomy
result_taxonomy
activity_taxonomy
activity_taxonomy
PK FK activity_id
PK FK classification_id
PK _field

Most entities have the following fields.

Repetitive Fields
_active
_retired_by
_created_date
_updated_by
_created_by
_updated_date

Used to connect to taxonomies together to allow data to be interchangeably described by either taxonomy regardless of the data's origin taxonomy

taxonomy_xwalk
PK id
FK origin_taxonomy_id
FK linked_taxonomy_id
FK origin_classification_id
FK linked_classification_id
_direction

PMT system table, tracking database model changes

version
PK id
_version
_iteration
_changset
_created_date
_updated_date

Contains information regarding the PMT Database instance. This is a system table for system related information and does not contain portfolio data.

config
PK id
_version
_download_dir
_created_date
_updated_date

Contains information about users accessing the PMT database.

user_log
PK id
user_id
_username
_access_date
_status

Loads IATI formatted xml data into the PMT database

iati_import
PK id
_action
_type
_codelist
_data_group
_version
_error
_xml
_created_by
_created_date

Keeps track of all the available boundary data loaded into the PMT Database. A boundary is a polygon representation of an administrative boundary

boundary
PK id
_name
_description
_spatial_table
_version
_source

entity
spatial entity
taxonomy
junction table

The main table in the data model, representing the highest level in the hierarchy of data elements. The activity table houses all activity related data.

activity
PK id
FK data_group_id
FK parent_id
_title
_label
_description
_objective
_content
_url
_start date
_plan_start date
_end date
_plan_end date
_tags
_iati_identifier
FK iati_import_id

Represents the diverse relationship between locations and the available boundaries within the PMT. When a location point is inserted or updated a trigger locates all the boundary features intersected by that point and records the relationship.

location_boundary
PK FK location_id
PK FK boundary_id
PK FK feature_id
_feature_name
_feature_area

Individual administrative boundary tables. GAUL boundaries are included in Core PMT, however any number of additional boundaries can be loaded.

gaul2
gaul1
gaul0
PK id
FK boundary_id
_code
_name
_label
...
_polygon

Boundary tables must contain fields showing but may have several unique fields as well

The location table contains a spatial location associated to an activity.

location
PK id
FK activity_id
FK boundary_id
FK feature_id
_title
_description
_geographic_id
_geographic_level
_x
_y
_lat_dd
_long_dd
_latlong
_georef
_admin1
_admin2
_admin3
_admin4
_point

Financial information related to activities.

financial
PK id
FK activity_id
FK provider_id
FK recipient_id
_amount
_start_date
_end_date

User settings for visualizing a saved experience in the PMT Viewer application

map
PK id
FK user_id
_title
_description
_extent
_filters
_taxonomy_id
_organization_ids
_classification_ids
_unassigned_ids
_location_ids
_start_date
_end_date
_overlays
_data_sources
_public

activity_contact
FK activity_id
FK contact_id

a contact can be assigned to activities

a contact belongs to an organization

an organization can participate in activities

an organization can provide or relieve funding

a user belongs to an organization

a user has saved map settings

a user has authroization on activities

a user is authorized on the database

a user is authorized by a role

a feature belongs to a boundary

a location intersects a feature in boundary

a location intersects features in boundaries

a feature may have a taxonomy

a feature may have results

an activity may have details

an activity may have taxonomy

an activity can have related activities

an activity can have contacts

an activity can have organizations

an activity may have locations

an activity may have financial information

a taxonomy has classifications

has classification

has parent classification

a taxonomy may have rules

Describes how taxonomies are used in the system

Information related to activities that describe an outcome

Has parent taxonomy

Contains information about organizations that participate in activities in one of the four capacities outline in the IATI Standard for Organization Roles

Contains information about people that can be considered as a point of contact for an activity or organization.

Provides users permissions via roles to activities. Assignments of permissions for a user to activities can be done per activity or by a taxonomy classification.

Contains the roles users can be assign to. Roles determine permissions.

Contains all the PMT users.

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PMT 2.0 Schema Diagram

