

Table: tweakit.db_connections

- **org_id**: Unique identifier for the organization; ties the connection to a specific organizational context.
- **scope**: Defines the context or boundary in which the connection is used.
- **user_id**: Identifier for the user establishing the connection.
- **conn_info**: Stores details about the connection (e.g., connection string, host, credentials).
- **db_key**: A key to identify or reference the specific database connection.
- **db_alias_key**: Provides an alternative or alias key for the connection, useful for abstraction or renaming.

Table: tweakit.oauth_configurations

- **account**: The unique identifier for an OAuth account; serves as the primary key.
- **configuration_info**: Contains configuration details (likely in JSON or text) for setting up OAuth authentication.

Table: tweakit.access_tokens

- **user_id**: Identifier for the user to whom the access token is issued.
- **account**: The account (such as an OAuth or service account) associated with the token.
- **role**: Specifies the role or permission level granted by the token.
- **access_token_info**: Holds token details including the token string, expiration, and other metadata.

Table: tweakit.wabe_configs

- **user_id**: Identifier for the user whose configuration is recorded.
- **config_key**: The name or key of a specific configuration setting.
- **config_value**: The value associated with the configuration key; stores user-specific settings.

Table: tweakit.access_keys

- **user_id:** (Optional) Identifier linking the access key to a particular user.
- **access_key:** A unique identifier for the access key; used as the primary key.
- **token:** The token string used for authentication or session validation.
- **name:** A human-readable name for the access key.
- **username:** The username associated with this key.
- **roles:** Encoded information about roles or privileges associated with the key.
- **email:** Contact email address linked to the access key.
- **permissions:** Specific permissions or access rights defined as text.
- **created_at:** A bigint value representing the creation time (often a Unix timestamp).

Table: tweakit.llm_usage_storage

- **id:** Auto-incrementing identifier (serial) serving as the primary key.
- **tags:** Array of tags (text) that can be used to categorize or search usage records.
- **scope:** The context or domain in which the LLM (large language model) was used.
- **org_id:** Identifier for the organization related to the usage record.
- **user_id:** Identifier for the user making the request.
- **request_cls:** Class or category of the request, possibly indicating its type.
- **operation:** Specifies the operation performed during the request.
- **query_uuid:** A unique identifier (UUID) for tracking the query.
- **engine:** Indicates which LLM engine was used.
- **completed_tokens:** Number of tokens generated or processed as a part of the completion.
- **total_tokens:** Total count of tokens used (prompt + completion).
- **prompt_tokens:** Number of tokens used in the prompt.
- **elapsed_time_ms:** Total time in milliseconds that the operation took.
- **created_at:** Timestamp (with default as CURRENT_TIMESTAMP) indicating when the record was created.
- **version:** Version number of the record or system for tracking changes.

Table: tweakit.db_connections_backup_20_jun

- **org_id**: Organization identifier for which the connection backup applies.
- **scope**: The scope or context tied to the connection backup.
- **user_id**: Identifier for the user associated with the backup.
- **conn_info**: Connection information that has been backed up (similar to the live connection details).

Table: tweakit.users

- **id**: Unique user identifier; primary key.
- **name**: The full name or display name of the user.
- **variables**: A field likely used to store additional user-specific attributes (possibly JSON or serialized data).
- **org_id**: Identifier of the organization that the user belongs to.
- **tenant_id**: Specifies the tenant under which the user is operating, useful in multi-tenant systems.
- **payload**: Additional arbitrary data related to the user (could be used for metadata or extended properties).

Table: tweakit.organizations

- **id**: Unique identifier for the organization; primary key.
- **name**: Name of the organization.
- **variables**: Field to store extra attributes or metadata for the organization.
- **payload**: Additional data about the organization (often in JSON or a serialized format).

Table: tweakit.tenants

- **id**: Unique identifier for the tenant; primary key.
- **name**: Name of the tenant.
- **variables**: Used for storing additional tenant attributes or metadata.
- **org_id**: Links the tenant to a specific organization.

- **payload:** Additional descriptive or configuration data related to the tenant.

Table: tweakit.db_alias

- **user_id:** Identifier for the user associated with the alias.
- **db_key:** The original database key for which an alias is being set.
- **alias_db_key:** The alternative key used as an alias for the database connection.
- **Note:** The composite primary key (user_id, db_key, alias_db_key) ensures that each alias mapping is unique.

Table: tweakit.db_owner_storage

- **scope:** Specifies the context or domain in which the database owner information applies.
- **db_id:** Identifier for the database; together with scope, forms the primary key.
- **owner_user_id:** Identifier of the user who owns the database.
- **db_key:** The key that identifies the specific database.
- **version:** Version number for the owner record, which might be used for tracking updates or changes.

Table: tweakit.parameters

- **parameter:** The name of the parameter being set; part of the composite primary key.
- **org:** Organization identifier; ensures the parameter is scoped to a specific organization.
- **tenant:** Tenant identifier; part of the unique identification.
- **user_id:** User identifier, further scoping the parameter.
- **db_id:** Identifier for the database associated with the parameter.
- **scope:** Context or domain for which the parameter is relevant.
- **value:** The value assigned to the parameter.
- **Note:** The composite primary key (parameter, org, tenant, user_id, db_id, scope) enforces uniqueness across all these dimensions.

Table: tweakit.query_gen_history

- **request:** The original text input or query that was submitted.
- **response:** The generated SQL query or result output.
- **scope:** Defines the context within which the query was generated.
- **user_id:** Identifier for the user who initiated the query.
- **id:** A unique identifier for the history entry (part of the composite primary key).
- **version:** Versioning information for the history entry.
- **history_entry_type:** Categorizes the type of history entry (e.g., generated, modified).
- **timestamp_ms:** The time (in milliseconds) when the query was initiated.
- **db_id:** Database identifier linked to the query; forms part of the composite primary key with id.
- **elapsed_time_ms:** Duration in milliseconds that the query generation took.
- **new_timestamp_ms:** An alternative timestamp (standard timestamp type) for when the record was updated.
- **Indexes:** There are several indexes (on effective timestamp, query response timestamp, elapsed time, and history entry type) to optimize querying by these fields.

Table: tweakit.shared_connection_search_contexts

- **db_id:** Identifier for the database; part of the primary key.
- **scope:** Specifies the search context's scope; part of the composite primary key.
- **search_context:** Contains the contextual information used to assist or refine search queries related to shared connections.

Table: tweakit.system_logs

- **log_id:** A serial unique identifier for each log entry.
- **timestamp:** Timestamp of when the log entry was recorded.
- **level:** Log level (e.g., INFO, WARN, ERROR) indicating the severity.
- **message:** The log message describing the event.
- **details:** Additional context or metadata (possibly in JSON format) for the log entry.

Purpose: Used to capture and store system-level events and errors for troubleshooting and

monitoring.

Table: tweakit.user_preferences

Purpose: Stores configurable settings or choices that personalize the user experience.

- **user_id:** Identifier for the user to whom the preferences apply.
- **preference_key:** A key/name for the preference (e.g., theme, language).
- **preference_value:** The value associated with the preference key.
- **updated_at:** Timestamp indicating the last update to the preference.

Table: tweakit.api_rate_limits

Purpose: Helps in tracking and enforcing API rate limits to prevent abuse and ensure fair usage.

- **api_key:** Unique key identifying the API client.
- **endpoint:** The API endpoint or service being accessed.
- **limit:** The maximum number of allowed calls within a timeframe.
- **window_seconds:** Time window (in seconds) over which the limit is applied.
- **requests_made:** The count of requests made in the current window.
- **last_reset:** Timestamp indicating when the current window started.

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Table: `tweakit.users_temp`

- **id**: Unique identifier for the user; however, in this duplicate, it is defined as an integer rather than text.
- **name**: User's name.
- **email**: Email address (this field is not present in the original `tweakit.users`).
- **variables**: Additional serialized user attributes.
- **org_id**: Organization identifier.
- **tenant_id**: Tenant under which the user operates.
- **payload**: Additional user data.
- **created_at**: A timestamp field introduced here that did not exist in the original.

Table: `tweakit.db_connections_duplicate`

- **org_id**: Organization identifier.
- **scope**: Connection scope.
- **user_id**: User identifier.
- **conn_info**: Connection details.
- **db_key**: Database connection key.
- **db_alias_key**: Alternative alias key.
- **conn_status**: A new column indicating if the connection is active (e.g., 'active', 'inactive').