



Physical Data Diagram (Sprint 2)

Table dss_access_request_status

Idx	Name	Data Type
* Pk	access_request_status_cd	varchar(25)
*	access_request_status_nm	varchar(250)
Indexes		
Type	Name	On
Pk	dss_access_request_status_pk	access_request_status_cd

Table dss_email_message

Idx	Name	Data Type	Description
A message that is sent to one or more recipients via email			
* Pk	email_message_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	email_message_type	varchar(50)	Business term for the type or purpose of the message (e.g. Notice of Takedown, Takedown Request, Delisting Warning, Delisting Request, Access Granted Notification, Access Denied Notification)
*	message_delivery_dtm	timestampz	A timestamp indicating when the message delivery was initiated
*	message_template_dsc	varchar(4000)	The full text or template for the message that is sent
*	is_host_contacted_externally	boolean	
*	is_submitter_cc_required	boolean	
	message_reason_id	bigint	
	lg_phone_no	varchar(13)	
	unreported_listing_no	varchar(25)	
	unreported_listing_url	varchar(4000)	User-provided URL for a short-term rental platform listing that is the subject of the message
	lg_email_address_dsc	varchar(320)	
	host_email_address_dsc	varchar(320)	E-mail address of a short term rental host (directly entered by the user as a message recipient)
	cc_email_address_dsc	varchar(4000)	E-mail address of a secondary message recipient (directly entered by the user)
	lg_str_bylaw_url	varchar(4000)	
*	initiating_user_identity_id	bigint	Foreign key
	affected_by_user_identity_id	bigint	Foreign key
	involved_in_organization_id	bigint	Foreign key

Indexes

Type	Name	On	Description
Pk	dss_email_message_pk	email_message_id	

Foreign Keys

Type	Name	On	Description
	dss_email_message_fk_initiated_by (initiating_user_identity_id) ref dss_user_identity (user_identity_id)		
	dss_email_message_fk_affecting (affected_by_user_identity_id) ref dss_user_identity (user_identity_id)		
	dss_email_message_fk_involving (involved_in_organization_id) ref dss_organization (organization_id)		
	dss_email_message_fk_communicating (email_message_type) ref dss_email_message_type (email_message_type)		
	dss_email_message_fk_justified_by (message_reason_id) ref dss_message_reason (message_reason_id)		

Table dss_email_message_type

Idx	Name	Data Type
* Pk	email_message_type	varchar(50)
*	email_message_type_nm	varchar(250)

Indexes

Type	Name	On
Pk	dss_email_message_type_pk	email_message_type

Table dss_message_reason

Idx	Name	Data Type	Description
A description of the justification for initiating a message			
* Pk	message_reason_id	bigint GENERATED ALWAYS AS IDENTITY	
*	email_message_type	varchar(50)	
*	message_reason_dsc	varchar(250)	A description of the justification for initiating a message

Indexes

Type	Name	On	Description
Pk	dss_message_reason_pk	message_reason_id	

Foreign Keys

Type	Name	On	Description
	dss_message_reason_fk_justifying (email_message_type) ref dss_email_message_type (email_message_type)		

Table dss_organization

Idx	Name	Data Type	Description
A private company or governing body that plays a role in short term rental reporting or enforcement			
* Pk	organization_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	organization_type	varchar(25)	a level of government or business category
*	organization_cd	varchar(25)	An immutable system code that identifies the organization (e.g. CEU, AIRBNB)
*	organization_nm	varchar(250)	A human-readable name that identifies the organization (e.g. Corporate Enforcement Unit, City of Victoria)
	local_government_geometry	geometry	the shape identifying the boundaries of a local government
	managing_organization_id	bigint	Self-referential hierarchical foreign key
*	upd_dtm	timestamptz	Trigger-updated timestamp of last change
	upd_user_guid	uuid	The globally unique identifier (assigned by the identity provider) for the most recent user to record a change

Indexes

Type	Name	On	Description
Pk	dss_organization_pk	organization_id	

Foreign Keys

Type	Name	On	Description
	dss_organization_fk_managed_by (managing_organization_id) ref dss_organization (organization_id)		
	dss_organization_fk_treated_as (organization_type) ref dss_organization_type (organization_type)		

Triggers

Name	Definition	Description
dss_organization_br_iu_tr		

CREATE TRIGGER dss_organization_br_iu_tr BEFORE INSERT OR UPDATE ON dss.dss_organization FOR EACH ROW EXECUTE FUNCTION dss.dss_update_audit_columns()

Table dss_organization_contact_person

Idx	Name	Data Type	Description
A person who has been identified as a notable contact for a particular organization			
* Pk	organization_contact_person_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	is_primary	boolean	Indicates whether the contact should receive all communications directed at the organization
*	given_nm	varchar(25)	A name given to a person so that they can easily be identified among their family members (in some cultures, this is often the first name)
*	family_nm	varchar(25)	A name that is often shared amongst members of the same family (commonly known as a surname within some cultures)
*	phone_no	varchar(13)	Phone number given for the contact by the organization (contains only digits)
*	email_address_dsc	varchar(320)	E-mail address given for the contact by the organization
*	contacted_through_organization_id	bigint	Foreign key
*	upd_dtm	timestamptz	Trigger-updated timestamp of last change
	upd_user_guid	uuid	The globally unique identifier (assigned by the identity provider) for the most recent user to record a change

Indexes

Type	Name	On	Description
Pk	dss_organization_contact_person_pk	organization_contact_person_id	

Foreign Keys

Type	Name	On	Description
	dss_organization_contact_person_fk_contacted_for (contacted_through_organization_id)	ref dss_organization (organization_id)	

Triggers

Name	Definition	Description
dss_organization_contact_person_br_iu_tr		

CREATE TRIGGER dss_organization_contact_person_br_iu_tr BEFORE INSERT OR UPDATE ON dss.dss_organization_contact_person FOR EACH ROW EXECUTE FUNCTION dss.dss_update_audit_columns()

Table dss_organization_type

Idx	Name	Data Type
* Pk	organization_type	varchar(25)
*	organization_type_nm	varchar(250)

Indexes

Type	Name	On
Pk	dss_organization_type_pk	organization_type

Table dss_user_identity

Idx	Name	Data Type	Description
An externally defined domain directory object representing a potential application user or group			
* Pk	user_identity_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	user_guid	uuid	An immutable unique identifier assigned by the identity provider
*	display_nm	varchar(250)	A human-readable full name that is assigned by the identity provider (this may include a preferred name and/or business unit name)
*	identity_provider_nm	varchar(25)	A directory or domain that authenticates system users to allow access to the application or its API (e.g. idir, bceidbusiness)
*	is_enabled	boolean	Indicates whether access is currently permitted using this identity
*	access_request_status_cd	varchar(25)	The current status of the most recent access request made by the user (restricted to Requested, Approved, or Denied)

Table dss_user_identity

	access_request_dtm	timestamptz	A timestamp indicating when the most recent access request was made by the user
	access_request_justification_txt	varchar(250)	The most recent user-provided reason for requesting application access
	given_nm	varchar(25)	A name given to a person so that they can easily be identified among their family members (in some cultures, this is often the first name)
	family_nm	varchar(25)	A name that is often shared amongst members of the same family (commonly known as a surname within some cultures)
	email_address_dsc	varchar(320)	E-mail address associated with the user by the identity provider
	business_nm	varchar(250)	A human-readable organization name that is associated with the user by the identity provider
	terms_acceptance_dtm	timestamptz	A timestamp indicating when the user most recently accepted the published Terms and Conditions of application access
	represented_by_organization_id	bigint	Foreign key
*	upd_dtm	timestamptz	Trigger-updated timestamp of last change
	upd_user_guid	uuid	The globally unique identifier (assigned by the identity provider) for the most recent user to record a change

Indexes

Type	Name	On	Description
Pk	dss_user_identity_pk	user_identity_id	

Foreign Keys

Type	Name	On	Description
	dss_user_identity_fk_representing (represented_by_organization_id) ref dss_organization (organization_id)		
	dss_user_identity_fk_given (access_request_status_cd) ref dss_access_request_status (access_request_status_cd)		

Triggers

Name	Definition	Description
dss_user_identity_br_iu_tr		

CREATE TRIGGER dss_user_identity_br_iu_tr BEFORE INSERT OR UPDATE ON dss.dss_user_identity FOR EACH ROW EXECUTE FUNCTION dss.dss_update_audit_columns()

Table dss_user_privilege

Idx	Name	Data Type	Description
			A granular access right or privilege within the application that may be granted to a role
* Pk	user_privilege_cd	varchar(25)	The immutable system code that identifies the privilege
*	user_privilege_nm	varchar(250)	The human-readable name that is given for the role

Indexes

Type	Name	On	Description
Pk	dss_user_privilege_pk	user_privilege_cd	

Table dss_user_role

Idx	Name	Data Type	Description
			A set of access rights and privileges within the application that may be granted to users
* Pk	user_role_cd	varchar(25)	The immutable system code that identifies the role
*	user_role_nm	varchar(250)	The human-readable name that is given for the role

Indexes

Type	Name	On	Description
Pk	dss_user_role_pk	user_role_cd	

Table dss_user_role_assignment

Idx	Name	Data Type	Description
The association of a grantee credential to a role for the purpose of conveying application privileges			
* Pk	user_role_cd	varchar(25)	Foreign key
* Pk	user_identity_id	bigint	Foreign key
Indexes			
Type	Name	On	Description
Pk	dss_user_role_assignment_pk	user_identity_id, user_role_cd	
Foreign Keys			
Type	Name	On	Description
	dss_user_role_assignment_fk_granted (user_role_cd) ref dss_user_role (user_role_cd)		
	dss_user_role_assignment_fk_granted_to (user_identity_id) ref dss_user_identity (user_identity_id)		

Table dss_user_role_privilege

Idx	Name	Data Type	Description
The association of a granular application privilege to a role			
* Pk	user_privilege_cd	varchar(25)	Foreign key
* Pk	user_role_cd	varchar(25)	Foreign key
Indexes			
Type	Name	On	Description
Pk	dss_user_role_privilege_pk	user_privilege_cd, user_role_cd	
Foreign Keys			
Type	Name	On	Description
	dss_user_role_privilege_fk_conferred_by (user_role_cd) ref dss_user_role (user_role_cd)		
	dss_user_role_privilege_fk_conferring (user_privilege_cd) ref dss_user_privilege (user_privilege_cd)		

Schema dss

Functions

dss_update_audit_columns