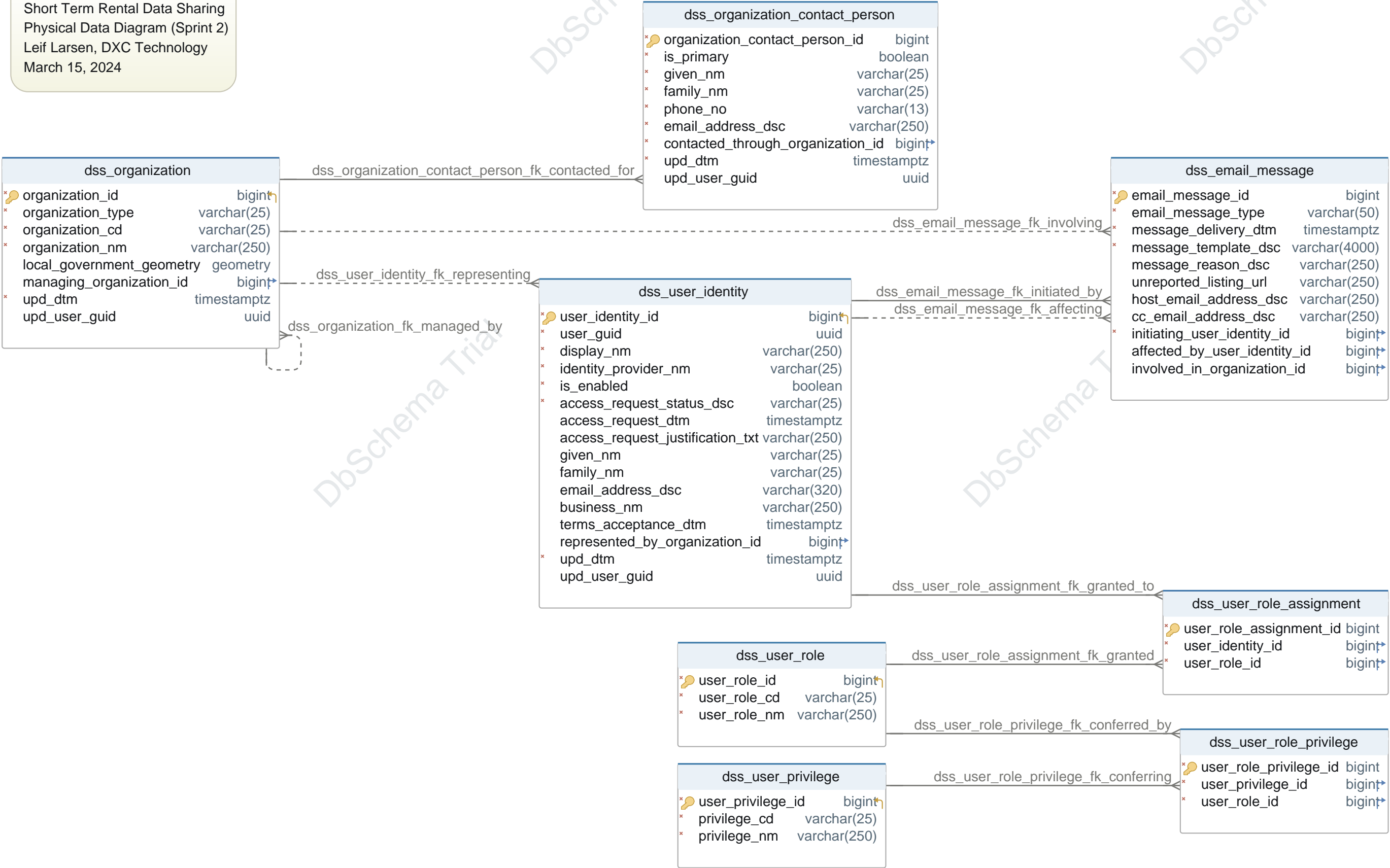


Ministry of Housing
Short Term Rental Data Sharing
Physical Data Diagram (Sprint 2)
Leif Larsen, DXC Technology
March 15, 2024



Default Layout

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	timestamptz	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
	message_reason_dsc	varchar(250)	A description of the justification for initiating the message
	unreported_listing_url	varchar(250)	User-provided URL for a short-term rental platform listing that is the subject of the message
	host_email_address_dsc	varchar(250)	E-mail address of a short term rental host (directly entered by the user as a message recipient)
	cc_email_address_dsc	varchar(250)	E-mail address of a secondary message recipient (directly entered by the user)
*	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)		

Constraints

Name	Definition	Description
dss_email_message_ck	email_message_type in ('Notice of Takedown','Takedown Request','Delisting Warning','Delisting Request','Access Granted Notification','Access Denied Notification')	

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

Table dss_organization

	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)		

Constraints

Name	Definition	Description
dss_organization_ck	organization_type in ('BCGov','LG','Platform')	

Triggers

Name	Definition	Description
dss_organization_br_iu_tr.sql		

Table dss_organization_contact_person

Idx	Name	Data Type	Description
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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(250)	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.sql		

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_dsc	varchar(25)	The current status of the most recent access request made by the user (restricted to Requested, Approved, or Denied)
	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)		

Constraints

Name	Definition	Description
dss_user_identity_ck	access_request_status_ds c in ('Requested', 'Approved', 'Denied')	

Triggers

Name	Definition	Description
dss_user_identity_br_iu_tr.sql		

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_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	privilege_cd	varchar(25)	The immutable system code that identifies the privilege
*	privilege_nm	varchar(250)	The human-readable name that is given for the role

Indexes

Table dss_user_privilege

Type	Name	On	Description
Pk	dss_user_privilege_pk	user_privilege_id	

Table dss_user_role

Idx	Name	Data Type	Description
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A set of access rights and privileges within the application that may be granted to users

* Pk	user_role_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	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_id	

Table dss_user_role_assignment

Idx	Name	Data Type	Description
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The association of a grantee credential to a role for the purpose of conveying application privileges

* Pk	user_role_assignment_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	user_identity_id	bigint	Foreign key
*	user_role_id	bigint	Foreign key

Indexes

Type	Name	On	Description
Pk	dss_user_role_assignment_pk	user_role_assignment_id	

Foreign Keys

Type	Name	On	Description
	dss_user_role_assignment_fk_granted (user_role_id) ref dss_user_role (user_role_id)		
	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
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The association of a granular application privilege to a role

* Pk	user_role_privilege_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	user_privilege_id	bigint	Foreign key
*	user_role_id	bigint	Foreign key

Indexes

Type	Name	On	Description
Pk	dss_user_role_privilege_pk	user_role_privilege_id	

Foreign Keys

Type	Name	On	Description
	dss_user_role_privilege_fk_conferred_by (user_role_id) ref dss_user_role (user_role_id)		
	dss_user_role_privilege_fk_conferring (user_privilege_id) ref dss_user_privilege (user_privilege_id)		