



## Physical Data Diagram (Sprint 9)

**Table dss\_access\_request\_status**

Idx	Name	Data Type	Description
A potential status for a user access request (e.g. Requested, Approved, or Denied)			
* Pk	access_request_status_cd	varchar(25)	System-consistent code for the request status
*	access_request_status_nm	varchar(250)	Business term for the request status
<b>Indexes</b>			
Type	Name	On	Description
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)	Foreign key
* Idx	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_submitter_cc_required	boolean	Indicates whether the user initiating the message should receive a copy of the email
	is_host_contacted_externally	boolean	Indicates whether the the property host has already been contacted by external means
	is_with_standard_detail	boolean	Indicates whether message body should include text a block of detail text that is standard for the message type
	lg_phone_no	varchar(30)	A phone number associated with a Local Government contact
	unreported_listing_no	varchar(50)	The platform issued identification number for the listing (if not included in a rental listing report)
	host_email_address_dsc	varchar(320)	E-mail address of a short term rental host (directly entered by the user as a message recipient)
	lg_email_address_dsc	varchar(320)	E-mail address of a local government contact (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)
	unreported_listing_url	varchar(4000)	User-provided URL for a short-term rental platform listing that is the subject of the message
	lg_str_bylaw_url	varchar(4000)	User-provided URL for a local government bylaw that is the subject of the message
	custom_detail_txt	varchar(4000)	Free form text that should be included in the message body
Idx	concerned_with_rental_listing_id	bigint	Foreign key
	initiating_user_identity_id	bigint	Foreign key
	affected_by_user_identity_id	bigint	Foreign key
	involved_in_organization_id	bigint	Foreign key
	batching_email_message_id	bigint	Foreign key
	requesting_organization_id	bigint	Foreign key
	external_message_no	varchar(50)	External identifier for tracking the message delivery progress
	upd_dtm	timestampz	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
<b>Indexes</b>			
Type	Name	On	Description
Pk	dss_email_message_pk	email_message_id	
	dss_email_message_i1	concerned_with_rental_listing_id, message_delivery_dtm	

## Table dss\_email\_message

### 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_batched_in ( batching_email_message_id ) ref dss_email_message ( email_message_id )		
	dss_email_message_fk_requested_by ( requesting_organization_id ) ref dss_organization ( organization_id )		
	dss_email_message_fk_included_in ( concerned_with_rental_listing_id ) ref dss_rental_listing ( rental_listing_id )		

### Triggers

Name	Definition	Description
dss_email_message_br_iu_tr		

CREATE TRIGGER dss\_email\_message\_br\_iu\_tr BEFORE INSERT OR UPDATE ON dss.dss\_email\_message FOR EACH ROW EXECUTE FUNCTION dss.dss\_update\_audit\_columns()

## Table dss\_email\_message\_type

Idx	Name	Data Type	Description
The type or purpose of a system generated message (e.g. Notice of Takedown, Takedown Request, Delisting Warning, Delisting Request, Access Granted Notification, Access Denied Notification)			
* Pk	email_message_type	varchar(50)	System-consistent code 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)
*	email_message_type_nm	varchar(250)	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)

### Indexes

Type	Name	On	Description
Pk	dss_email_message_type_pk	email_message_type	

## Table dss\_listing\_status\_type

Idx	Name	Data Type	Description
A potential status for a CURRENT RENTAL LISTING (e.g. New, Active, Inactive, Reassigned, Taken Down)			
* Pk	listing_status_type	varchar(2)	System-consistent code for the listing status (e.g. N, A, I, R, T)
*	listing_status_type_nm	varchar(50)	Business term for the listing status (e.g. New, Active, Inactive, Reassigned, Taken Down)
*	listing_status_sort_no	smallint	

### Indexes

Type	Name	On	Description
Pk	dss_listing_status_type_pk	listing_status_type	

## Table dss\_organization

Idx	Name	Data Type	Description
-----	------	-----------	-------------

## Table dss\_organization

A private company or governing body component that plays a role in short term rental reporting or enforcement

* Pk	organization_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
* Idx	organization_type	varchar(25)	Foreign key
* Unq	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)
	economic_region_dsc	varchar(100)	A free form description of the economic region to which a Local Government Subdivision belongs
	is_lg_participating	boolean	Indicates whether a LOCAL GOVERNMENT ORGANIZATION participates in Short Term Rental Data Sharing
	is_principal_residence_required	boolean	Indicates whether a LOCAL GOVERNMENT SUBDIVISION is subject to Provincial Principal Residence Short Term Rental restrictions
	is_business_licence_required	boolean	Indicates whether a LOCAL GOVERNMENT SUBDIVISION requires a business licence for Short Term Rental operation
	area_geometry	geometry	the multipolygon shape identifying the boundaries of a local government subdivision
Idx	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	
	dss_organization_i1	organization_type	
Unq	dss_organization_uk	organization_cd	
	dss_organization_i2	managing_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
*	email_address_dsc	varchar(320)	E-mail address given for the contact by the organization
	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(30)	Phone number given for the contact by the organization (contains only digits)

## Table dss\_organization\_contact\_person

*	contacted_through_organization_id	bigint	Foreign key
	email_message_type	varchar(50)	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 )	
	dss_organization_contact_person_fk_subscribed_to ( email_message_type )	ref dss_email_message_type ( email_message_type )	

### 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	Description
A level of government or business category			
* Pk	organization_type	varchar(25)	System-consistent code for a level of government or business category
*	organization_type_nm	varchar(250)	Business term for a level of government or business category

### Indexes

Type	Name	On	Description
Pk	dss_organization_type_pk	organization_type	

## Table dss\_physical\_address

Idx	Name	Data Type	Description
A property address that includes any verifiable BC attributes			
* Pk	physical_address_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
* Idx	original_address_txt	varchar(250)	The source-provided address of a short-term rental offering
	match_result_json	json	Full JSON result of the source address matching attempt
Idx	match_address_txt	varchar(250)	The sanitized physical address (returned as fullAddress) that has been derived from the original
	match_score_amt	smallint	The relative score returned from the address matching attempt
	unit_no	varchar(50)	The unitNumber (suite) returned by the address match (e.g. 100)
	civic_no	varchar(50)	The civicNumber (building number) returned by the address match (e.g. 1285)
	street_nm	varchar(100)	The streetName returned by the address match (e.g. Pender)
	street_type_dsc	varchar(50)	The streetType returned by the address match (e.g. St or Street)
	street_direction_dsc	varchar(50)	The streetDirection returned by the address match (e.g. W or West)
	locality_nm	varchar(100)	The localityName (community) returned by the address match (e.g. Vancouver)
	locality_type_dsc	varchar(50)	The localityType returned by the address match (e.g. City)



## Table dss\_physical\_address

	province_cd	varchar(5)	The provinceCode returned by the address match
	site_no	varchar(50)	The siteID returned by the address match
	block_no	varchar(50)	The blockID returned by the address match
	location_geometry	geometry	The computed location point of the matched address
	is_exempt	boolean	Indicates whether the address has been identified as exempt from Short Term Rental regulations
	is_match_verified	boolean	Indicates whether the matched address has been verified as correct for the listing by the responsible authorities
	is_changed_original_address	boolean	Indicates whether the original address has received a different property address from the platform in the last reporting period
	is_match_corrected	boolean	Indicates whether the matched address has been manually changed to one that is verified as correct for the listing
	is_system_processing	boolean	Indicates whether the physical address is being processed by the system and may not yet be in its final form
Idx	containing_organization_id	bigint	Foreign key
	replacing_physical_address_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_physical_address_pk	physical_address_id	
	dss_physical_address_i1	original_address_txt	
	dss_physical_address_i2	match_address_txt	
	dss_physical_address_i3	containing_organization_id	

### Foreign Keys

Type	Name	On	Description
	dss_physical_address_fk_contained_in ( containing_organization_id ) ref dss_organization ( organization_id )		
	dss_physical_address_fk_replaced_by ( replacing_physical_address_id ) ref dss_physical_address ( physical_address_id )		

### Triggers

Name	Definition	Description
dss_physical_address_br_iu_tr		

CREATE TRIGGER dss\_physical\_address\_br\_iu\_tr BEFORE INSERT OR UPDATE ON dss.dss\_physical\_address FOR EACH ROW EXECUTE FUNCTION dss.dss\_update\_audit\_columns()

## Table dss\_rental\_listing

Idx	Name	Data Type	Description
A rental listing snapshot that is either relevant to a specific monthly report, or is the current, master version			
* Pk	rental_listing_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
* Idx	platform_listing_no	varchar(50)	The platform issued identification number for the listing
	platform_listing_url	varchar(4000)	URL for the short-term rental platform listing
	business_licence_no	varchar(100)	The local government issued licence number that applies to the rental offering
	bc_registry_no	varchar(50)	The Short Term Registry issued permit number
*	is_current	boolean	Indicates whether the RENTAL LISTING VERSION is a CURRENT RENTAL LISTING (if it is a copy of the most current REPORTED RENTAL LISTING (having the same listing number for the same offering platform)
	is_active	boolean	Indicates whether a CURRENT RENTAL LISTING was included in the most recent RENTAL LISTING REPORT

## Table dss\_rental\_listing

is_new	boolean	Indicates whether a CURRENT RENTAL LISTING appeared for the first time in the last reporting period
is_taken_down	boolean	Indicates whether a CURRENT RENTAL LISTING has been reported as taken down by the offering platform
is_changed_original_address	boolean	Indicates whether a CURRENT RENTAL LISTING has received a different property address in the last reporting period
is_changed_address	boolean	Indicates whether a CURRENT RENTAL LISTING has been subjected to address match changes by a user
is_lg_transferred	boolean	Indicates whether a CURRENT RENTAL LISTING has been transferred to a different Local Government Organization as a result of address changes
is_entire_unit	boolean	Indicates whether the entire dwelling unit is offered for rental (as opposed to a single bedroom)
available_bedrooms_qty	smallint	The number of bedrooms in the dwelling unit that are available for short term rental
nights_booked_qty	smallint	The number of nights that short term rental accommodation services were provided during the reporting period
separate_reservations_qty	smallint	The number of separate reservations that were taken during the reporting period
* Idx offering_organization_id	bigint	Foreign key
Idx including_rental_listing_report_id	bigint	Foreign key
Idx derived_from_rental_listing_id	bigint	Foreign key
Idx locating_physical_address_id	bigint	Foreign key
Idx listing_status_type	varchar(2)	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_rental_listing_pk	rental_listing_id	
	dss_rental_listing_i1	offering_organization_id, platform_listing_no	
	dss_rental_listing_i2	including_rental_listing_report_id	
	dss_rental_listing_i3	derived_from_rental_listing_id	
	dss_rental_listing_i4	locating_physical_address_id	
	dss_rental_listing_i5	listing_status_type, offering_organization_id	

### Foreign Keys

Type	Name	On	Description
	dss_rental_listing_fk_offered_by ( offering_organization_id ) ref dss_organization ( organization_id )		
	dss_rental_listing_fk_included_in ( including_rental_listing_report_id ) ref dss_rental_listing_report ( rental_listing_report_id )		
	dss_rental_listing_fk_located_at ( locating_physical_address_id ) ref dss_physical_address ( physical_address_id )		
	dss_rental_listing_fk_generating ( derived_from_rental_listing_id ) ref dss_rental_listing ( rental_listing_id )		
	dss_rental_listing_fk_classified_as ( listing_status_type ) ref dss_listing_status_type ( listing_status_type )		

### Triggers

Name	Definition	Description
dss_rental_listing_br_iu_tr		

## Table dss\_rental\_listing

CREATE TRIGGER dss\_rental\_listing\_br\_iu\_tr BEFORE INSERT OR UPDATE ON dss.dss\_rental\_listing FOR EACH ROW EXECUTE FUNCTION dss.dss\_update\_audit\_columns()

## Table dss\_rental\_listing\_contact

Idx	Name	Data Type	Description
A person who has been identified as a notable contact for a particular rental listing			
* Pk	rental_listing_contact_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	is_property_owner	boolean	Indicates a person with the legal right to the unit being short-term rental
	listing_contact_nbr	smallint	Indicates which of the five possible supplier hosts is represented by this contact
	supplier_host_no	varchar(50)	The platform identifier for the supplier host
	full_nm	varchar(100)	The full name of the contact person as included in the listing
	phone_no	varchar(30)	Phone number given for the contact
	fax_no	varchar(30)	Facsimile numbrer given for the contact
	full_address_txt	varchar(250)	Mailing address given for the contact
	email_address_dsc	varchar(320)	E-mail address given for the contact
* Idx	contacted_through_rental_listing_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_rental_listing_contact_pk	rental_listing_contact_id	
	dss_rental_listing_contact_i1	contacted_through_rental_listing_id	

### Foreign Keys

Type	Name	On	Description
	dss_rental_listing_contact_fk_contacted_for ( contacted_through_rental_listing_id ) ref dss_rental_listing ( rental_listing_id )		

### Triggers

Name	Definition	Description
dss_rental_listing_contact_br_iu_tr		

CREATE TRIGGER dss\_rental\_listing\_contact\_br\_iu\_tr BEFORE INSERT OR UPDATE ON dss.dss\_rental\_listing\_contact FOR EACH ROW EXECUTE FUNCTION dss.dss\_update\_audit\_columns()

## Table dss\_rental\_listing\_extract

Idx	Name	Data Type	Description
A prebuilt report that is specific to a subset of rental listings			
* Pk	rental_listing_extract_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	rental_listing_extract_nm	varchar(250)	A description of the information contained in the extract
*	is_pr_requirement_filtered	boolean	Indicates whether the report is filtered by jurisdictional principal residence requirement
	source_bin	bytea	The binary image of the information in the report
	filtering_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



## Table dss\_rental\_listing\_extract

Type	Name	On	Description
------	------	----	-------------

Pk	dss_rental_listing_extract_pk	rental_listing_extract_id	
----	-------------------------------	---------------------------	--

### Foreign Keys

Type	Name	On	Description
------	------	----	-------------

	dss_rental_listing_extract_fk_filtered_by ( filtering_organization_id ) ref dss_organization ( organization_id )		
--	--	--	--

### Triggers

Name	Definition	Description
------	------------	-------------

dss_rental_listing_extract_br_iu_tr		
-------------------------------------	--	--

CREATE TRIGGER dss\_rental\_listing\_extract\_br\_iu\_tr BEFORE INSERT OR UPDATE ON dss.dss\_rental\_listing\_extract FOR EACH ROW EXECUTE FUNCTION dss.dss\_update\_audit\_columns()

## Table dss\_rental\_listing\_report

Idx	Name	Data Type	Description
-----	------	-----------	-------------

A platform-specific collection of rental listing information that is relevant to a specific month

* Pk	rental_listing_report_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
------	--------------------------	-------------------------------------	----------------------

* Unq	report_period_ym	date	The month to which the listing information is relevant (always set to the first day of the month)
-------	------------------	------	---

*	is_current	boolean	Indicates whether the rental listing version is the most recent one reported by the platform
---	------------	---------	--

* Unq	providing_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_rental_listing_report_pk	rental_listing_report_id	
----	------------------------------	--------------------------	--

Unq	dss_rental_listing_report_uk	providing_organization_id, report_period_ym	
-----	------------------------------	---	--

### Foreign Keys

Type	Name	On	Description
------	------	----	-------------

	dss_rental_listing_report_fk_provided_by ( providing_organization_id ) ref dss_organization ( organization_id )		
--	---	--	--

### Triggers

Name	Definition	Description
------	------------	-------------

dss_rental_listing_report_br_iu_tr		
------------------------------------	--	--

CREATE TRIGGER dss\_rental\_listing\_report\_br\_iu\_tr BEFORE INSERT OR UPDATE ON dss.dss\_rental\_listing\_report FOR EACH ROW EXECUTE FUNCTION dss.dss\_update\_audit\_columns()

## Table dss\_upload\_delivery

Idx	Name	Data Type	Description
-----	------	-----------	-------------

A delivery of uploaded information that is relevant to a specific month

* Pk	upload_delivery_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
------	--------------------	-------------------------------------	----------------------

*	upload_delivery_type	varchar(25)	Identifies the treatment applied to ingesting the uploaded information
---	----------------------	-------------	--

	report_period_ym	date	The month to which the delivery batch is relevant (always set to the first day of the month)
--	------------------	------	--

*	source_hash_dsc	varchar(256)	The hash value of the information that was uploaded
---	-----------------	--------------	---

	source_bin	bytea	The binary image of the information that was uploaded
--	------------	-------	---

*	providing_organization_id	bigint	Foreign key
---	---------------------------	--------	-------------

## Table dss\_upload\_delivery

*	upd_dtm	timestampz	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_upload_delivery_pk	upload_delivery_id	

### Foreign Keys

Type	Name	On	Description
	dss_upload_delivery_fk_provided_by ( providing_organization_id ) ref dss_organization ( organization_id )		

### Triggers

Name	Definition	Description
dss_upload_delivery_br_iu_tr		

```
CREATE TRIGGER dss_upload_delivery_br_iu_tr BEFORE INSERT OR UPDATE ON dss.dss_upload_delivery FOR EACH ROW EXECUTE FUNCTION dss.dss_update_audit_columns()
```

## Table dss\_upload\_line

Idx	Name	Data Type	Description
-----	------	-----------	-------------

An upload delivery line that has been extracted from the source

* Pk	upload_line_id	bigint GENERATED ALWAYS AS IDENTITY	Unique generated key
*	is_validation_failure	boolean	Indicates that there has been a validation problem that prevents successful ingestion of the upload line
*	is_system_failure	boolean	Indicates that a system fault has prevented complete ingestion of the upload line
*	is_processed	boolean	Indicates that no further ingestion attempt is required for the upload line
*	source_organization_cd	varchar(25)	An immutable system code identifying the organization who created the information in the upload line (e.g. AIRBNB)
* Unq	source_record_no	varchar(50)	The immutable identification number for the source record, such as a rental listing number
*	source_line_txt	varchar(32000)	Full text of the upload line
	error_txt	varchar(32000)	Freeform description of the problem found while attempting to interpret the report line
* Unq	including_upload_delivery_id	bigint	Foreign key

### Indexes

Type	Name	On	Description
Pk	dss_upload_line_pk	upload_line_id	
Unq	dss_upload_line_uk	including_upload_delivery_id, source_record_no	

### Foreign Keys

Type	Name	On	Description
	dss_upload_line_fk_included_in ( including_upload_delivery_id ) ref dss_upload_delivery ( upload_delivery_id )		

## 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)

## Table dss\_user\_identity

*	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)
	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
	user_role_dsc	varchar(200)	The human-readable description that is given for the role

## Table dss\_user\_role

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_role_pk	user_role_cd	

### Triggers

Name	Definition	Description
dss_user_role_br_iu_tr		

CREATE TRIGGER dss\_user\_role\_br\_iu\_tr BEFORE INSERT OR UPDATE ON dss.dss\_user\_role FOR EACH ROW EXECUTE FUNCTION dss.dss\_update\_audit\_columns()

## 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_identity_id	bigint	Foreign key
* Pk	user_role_cd	varchar(25)	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_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 )		

### Triggers

Name	Definition	Description
dss_user_role_assignment_br_iu_tr		

CREATE TRIGGER dss\_user\_role\_assignment\_br\_iu\_tr BEFORE INSERT OR UPDATE ON dss.dss\_user\_role\_assignment FOR EACH ROW EXECUTE FUNCTION dss.dss\_update\_audit\_columns()

## 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
	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_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 )		

Table dss\_user\_role\_privilege

dss\_user\_role\_privilege\_fk\_conferring ( user\_privilege\_cd )  
ref dss\_user\_privilege ( user\_privilege\_cd )

Triggers

Name	Definition	Description
dss_user_role_privilege_br_iu_tr		

CREATE TRIGGER dss\_user\_role\_privilege\_br\_iu\_tr BEFORE INSERT OR UPDATE ON dss.dss\_user\_role\_privilege FOR EACH ROW  
EXECUTE FUNCTION dss.dss\_update\_audit\_columns()

Schema dss

Functions

- dss\_containing\_organization\_id
- dss\_update\_audit\_columns