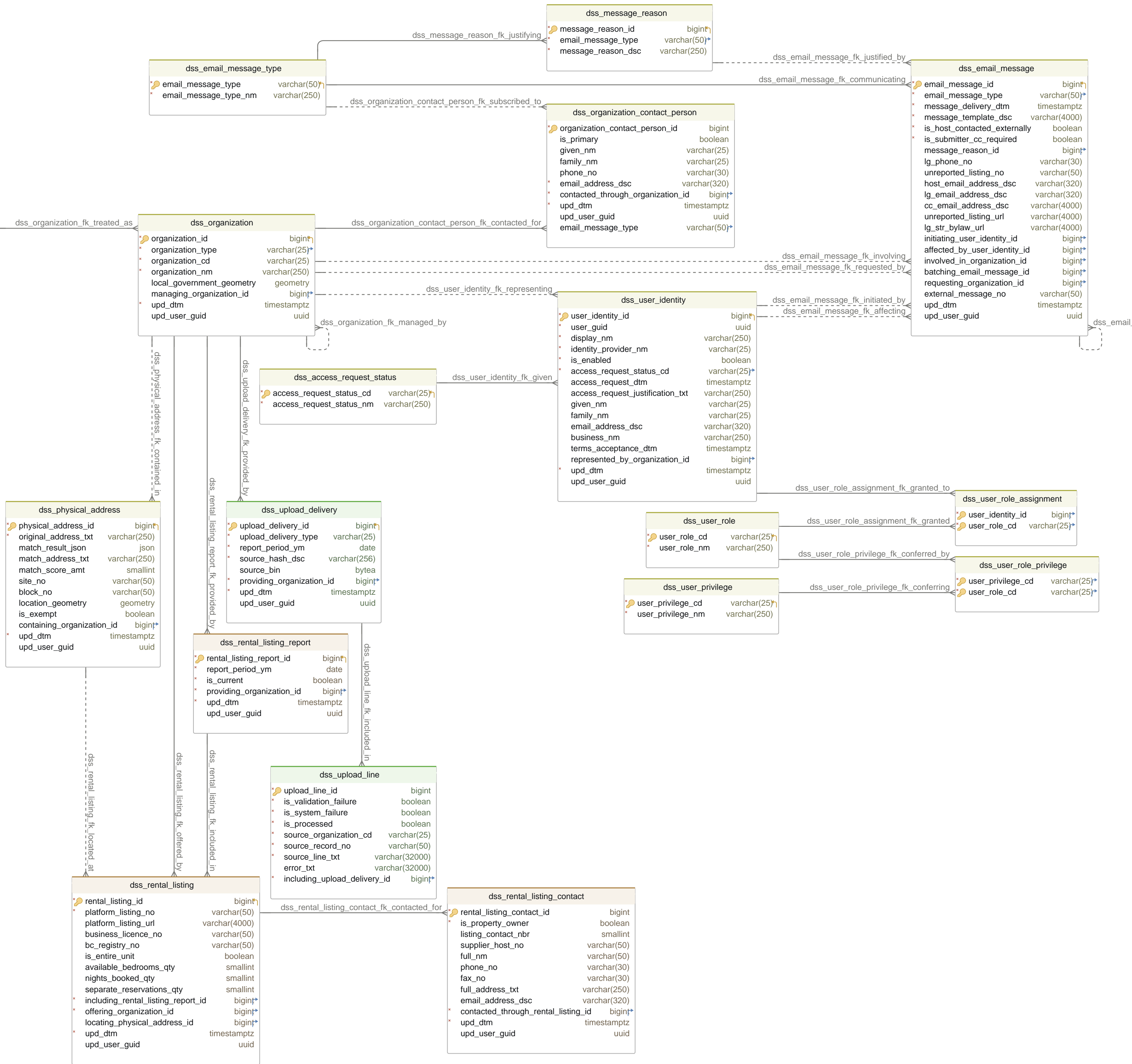


| dss_organization_type |              |
|-----------------------|--------------|
| organization_type     | varchar(25)  |
| organization_type_nm  | varchar(250) |



## Physical Data Diagram (Sprint 5)

**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  |
| *  | 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                             | Indicates whether the the property host has already been contacted by external means                           |
| *  | is_submitter_cc_required     | boolean                             | Indicates whether the user initiating the message should receive a copy of the email                           |
|  | message_reason_id            | bigint                              | Foreign key  |
|  | 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                              |
|  | 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 |

### 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 ) |    |             |

## Table dss\_email\_message

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 )

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 )

### 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\_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 | Unique generated key  |
| *    | email_message_type | varchar(50)                         | Foreign key   |
| *    | 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

## Table dss\_organization

|      |                           |                                     |  |
|------|---------------------------|-------------------------------------|--|
| * Pk | organization_id           | bigint GENERATED ALWAYS AS IDENTITY | Unique generated key   |
| *    | organization_type         | varchar(25)                         | Foreign key  |
| *    | 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(30)                         | 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                             |
|   | email_message_type                | varchar(50)                         | Foreign key  |

### Indexes

| Type | Name                               | On                             | Description |
|------|------------------------------------|--------------------------------|-------------|
| Pk   | dss_organization_contact_person_pk | organization_contact_person_id |             |

### Foreign Keys

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

## Table dss\_organization\_contact\_person

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   |
| *    | 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  |
|      | match_address_txt          | varchar(250)                        | The sanitized physical address that has been derived from the original   |
|      | match_score_amt            | smallint                            | The relative score returned from the address matching attempt  |
|      | 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                 |
|      | containing_organization_id | bigint                              | Foreign key  |
| *    | 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_physical_address_pk | physical_address_id |  |
|----|-------------------------|---------------------|--|

### Foreign Keys

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

dss\_physical\_address\_fk\_contained\_in ( containing\_organization\_id ) ref dss\_organization ( organization\_id )

### Triggers

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

dss\_physical\_address\_br\_iu\_tr



## Table dss\_physical\_address

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 relevant to a specific month |                                    |                                     |  |
| * Pk   | rental_listing_id                  | bigint GENERATED ALWAYS AS IDENTITY | Unique generated key   |
| *  | 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(50)                         | 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_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                                |
| *  | including_rental_listing_report_id | bigint                              | Foreign key  |
| *  | offering_organization_id           | bigint                              | Foreign key  |
|  | locating_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_rental_listing_pk | rental_listing_id |             |

### Foreign Keys

| Type | Name   | On | Description |
|------|--|----|-------------|
|      | dss_rental_listing_fk_offered_by ( offering_organization_id )<br>ref dss_organization ( organization_id )                              |    |             |
|      | dss_rental_listing_fk_included_in ( including_rental_listing_report_id ) ref<br>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 )                     |    |             |

### Triggers

| Name                        | Definition | Description |
|-----------------------------|------------|-------------|
| dss_rental_listing_br_iu_tr |            |             |

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 |

## Table dss\_rental\_listing\_contact

|   |                                     |              |  |
|---|-------------------------------------|--------------|--|
|   | supplier_host_no                    | varchar(50)  | The platform identifier for the supplier host  |
|   | full_nm                             | varchar(50)  | 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   |
| * | 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 |             |

### 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\_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   |
| *   | 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                   |
| *   | 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 |             |

### 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  |
| *   | 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_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) |
| *   | 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                            |
| *   | including_upload_delivery_id | bigint                              | Foreign key  |

### Indexes

| Type | Name               | On             | Description |
|------|--------------------|----------------|-------------|
| Pk   | dss_upload_line_pk | upload_line_id |             |

### 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)         |
| *  | 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 |
| 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_identity_id  | bigint                            | Foreign key |
| * Pk  | user_role_cd  | varchar(25)                       | Foreign key |
| Indexes   |   |                                   |             |
| Type  | Name  | On                                | Description |
| Pk  | dss_user_role_assignment_pk   | user_identity_id,<br>user_role_cd |             |
| Foreign Keys  |   |                                   |             |
| Type  | Name  | On                                | Description |
|   | dss_user_role_assignment_fk_granted ( user_role_cd ) ref<br>dss_user_role ( user_role_cd )                |                                   |             |
|   | dss_user_role_assignment_fk_granted_to ( user_identity_id )<br>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,<br>user_role_cd |             |
| Foreign Keys  |   |                                    |             |
| Type  | Name  | On                                 | Description |
|   | dss_user_role_privilege_fk_conferred_by ( user_role_cd ) ref<br>dss_user_role ( user_role_cd )              |                                    |             |
|   | dss_user_role_privilege_fk_conferring ( user_privilege_cd )<br>ref dss_user_privilege ( user_privilege_cd ) |                                    |             |

## Schema dss

### Functions

dss\_update\_audit\_columns