

7.2.0 Schema Changes

Last Modified on 03/12/2024 12:14 pm ACDT

Schema changes between CareRight V7.1.0 and 7.2.0

New Tables/Views

- None

New Columns

- `f_guarantors.claiming_portal_url`

New Indexes

- None

Changed Views

- None

Changed Columns/Indexes

- `branding_settings.paid_invoice_link_expiry_in_hours` renamed to `invoice_link_expiry_in_hours`

Changed Tables

- None

Deleted Tables/Views

- None

Deleted Columns/Indexes

- None

CareRight 7.2.4 Changes (Unreleased)

Receipt Numbers

We have swapped from referring to the `f_counters` table and the `ct_rec_no` field to a proper database sequence (`receipt_number`).

- Removed column `ct_counters.ct_rec_no`
- Create sequence `receipt_numbers`

This does not change the definition of affected columns that referenced this number. However it changed the **behaviour**. Importantly, where a transaction rolled back; **previously this would discard any attempts to assign a new receipt**

number.

From this release, this will **continually increment the receipt numbers even if the transaction is rolled back** This may manifest as "missing" receipt numbers; but is an expected behaviour.

See also: <https://learn.microsoft.com/en-us/sql/relational-databases/sequence-numbers/sequence-numbers?view=sql-server-ver16>

```
existing_data = CounterSet.where(ct_number: 1).first
start = 1
start = CounterSet.next_counter_value("CT_REC_NO") if existing_data
# historically went into:
# f_statement.stat_ref
# refunds.number
# receipt.number
check = (Statement.maximum(:stat_ref) || 0) + 1
start = check if check > start
check = (Receipt.maximum(:number) || 0) + 1
start = check if check > start
check = (Refund.maximum(:number) || 0) + 1
start = check if check > start
case ActiveRecord::Base.connection.adapter_name.downcase
when "sqlserver"
  execute <<~END_OF_SQL
    CREATE SEQUENCE receipt_number START WITH #{start} INCREMENT BY 1
  END_OF_SQL
when "postgresql"
  execute <<~END_OF_SQL
    CREATE SEQUENCE receipt_number START #{start}
  END_OF_SQL
else
  raise "Unhandled database type"
end
remove_column :f_counters, :ct_rec_no
end
```

While this change is small and should be routine, we are recommending customers have:

- Appropriate database backups in place
 - A regression test plan to validate receipt creation post deployment functions as expected.
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