**US\_299330\_Cognizant: Allow Plaid Reconnection**

**Understanding of the requirement**

When a customers plaid account has been disconnected, then BCM allow them to reconnect their account to plaid.

**Assumptions**:

* Any changes made in Rent Track API call, will be notified

**High level Technical design and solution**

* 1. Impacted Modules

BCM Modules

* 1. Impacted Workflows
     1. Overview:

When the customer find out if he/she needs to reconnect their plaid account, RSP (UI) will invoke the below BCM API to get the public token to reconnect.

**PUT v1/customer/payment\_account/****{ucid}/{brand}**

Once the reconnection has been established, then the RSP(UI) will invoke the below BCM API to update reconnection status in RentTrack

**PATCH v1/customer/payment\_account/{ucid}/{brand}**

* + 1. API Involved:

**POST /api/tenant/plaid/payment\_accounts/{paymentAccountId}/ reconnect.{\_format}**

* + - * + BCM is the consumer
        + PayLoad : paymentAccountId
        + Error Codes:

201 - Returned when successful

400 - Error validating data. Please check parameters and retry.

404 - Payment Account not found

500 - Internal Server Error

503 - Service Unavailable. Retry later.

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* 1. DB Changes:

Customer Data and Auditing Table

Rent Track access token and payment account id will be fetched from customer data based on ucid and brand

* 1. Dependencies

RentTrack API and Plaid connection

* 1. Blocker Inputs needed

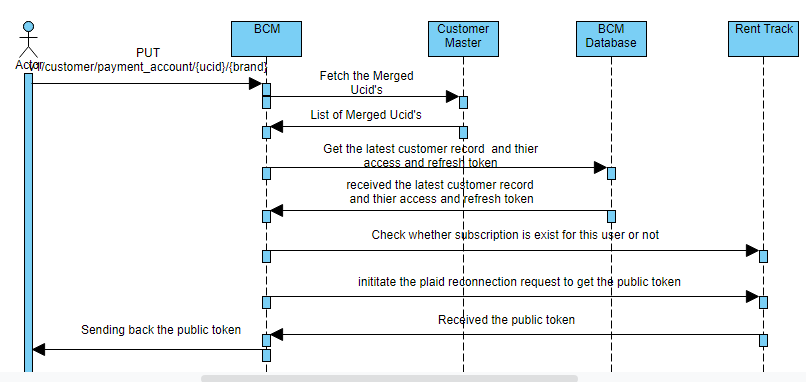
N/A

* 1. Design Patterns considered and the chosen one

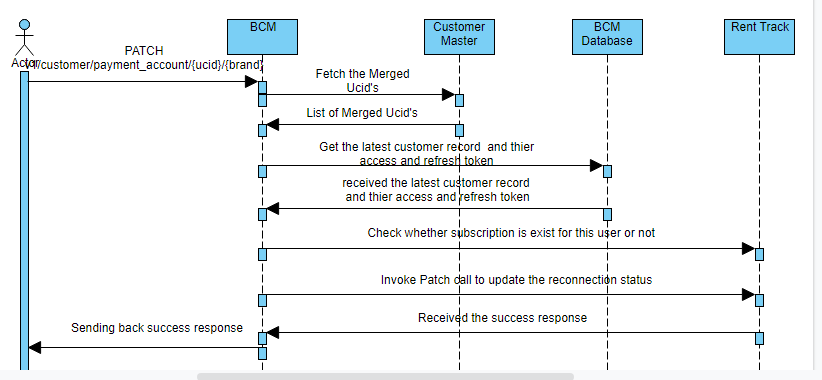
SOA

* 1. Sequence diagram

**BCM Get Public Token for Reconnection:**



**BCM Update Reconnection status Service**



**Business** :

**BCM Get Public Token for Reconnection:**

**Step 1 :**

BCM will receive the request to get the public token of plaid transaction connection from the RSP(UI).

**Step 2:**

BCM will fetch the access token and the payment account id based on the ucid and brand of the customer.

**Step 3 :**

With the user access token, BCM will invoke the below Rent Track API call to get the public token of the plaid payment account for the tenant user.

**RentTrack API:**

**POST api/tenant/plaid/payment\_accounts/{paymentAccountId}/reconnect. {\_format}**

**Response Payload :**

| **Parameter** | **Type** | **Versions** | **Description** |
| --- | --- | --- | --- |
| 200 |  | | |
| public\_token | string | \* |  |
| expiration | string | \* | Format "YYYY-MM-DDThh:mm:ss" |

**Step 4 :**

BCM will send back the response to the invoker with the public token and expiration.

**Response Payload:**

{   
 "public\_token": “public-sandbox-gdahadasd”,  
 "expiration": 800  
}

**BCM Update Reconnection status Service**

**Step 1 :**

BCM will receive the request to update the plaid reconnection status from the RSP(UI).

**Step 2:**

BCM will fetch the access token and the payment account id based on the ucid and brand of the customer.

**Step 3 :**

With the user access token, BCM will invoke the below Rent Track API call to update the reconnection status in RentTrack.

**RentTrack API:**

**PATCH api/tenant/plaid/payment\_accounts/{paymentAccountId}/reconnect. {\_format}**

**Response Payload :**

| **Parameter** | **Type** | **Versions** | **Description** |
| --- | --- | --- | --- |
| 200 |  | | |
| public\_token | string | \* |  |
| expiration | string | \* | Format "YYYY-MM-DDThh:mm:ss" |

**Step 4 :**

BCM will send back the response to the invoker based on the RentTrack response.

**Clarifications**:

**Code / Framework References**

**Misc:**