

Finance Service Implementation Plan

GS-1253: Evie Software Documentation Reference	
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Jira Ticket	https://goevie.atlassian.net/browse/GS-1595
Epic	

Implementation

1. Data Exploration

As a starting point, we have identified the following categories of sessions we receive from EVConnect. The intention for these categories is to allow us to have a view of the expected types of sessions so we know how to deal with them later on in the process. This also allows the tech team to say with confidence that we have accounted for all sessions before moving on to the further step of financial categorisation.

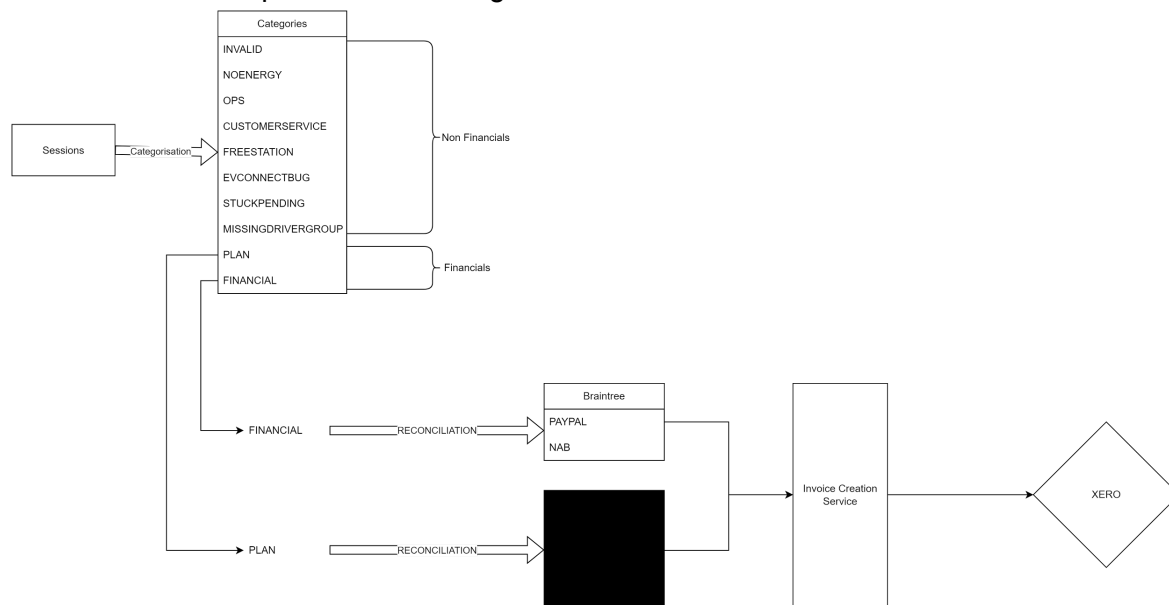


Figure 1 - Session Categorisation Conceptual Architecture

The logic to implement the business logic above is detailed below. By taking a decision tree approach we are able to assign every session to a bucket based on specified fallback conditions.

2. Data Classification

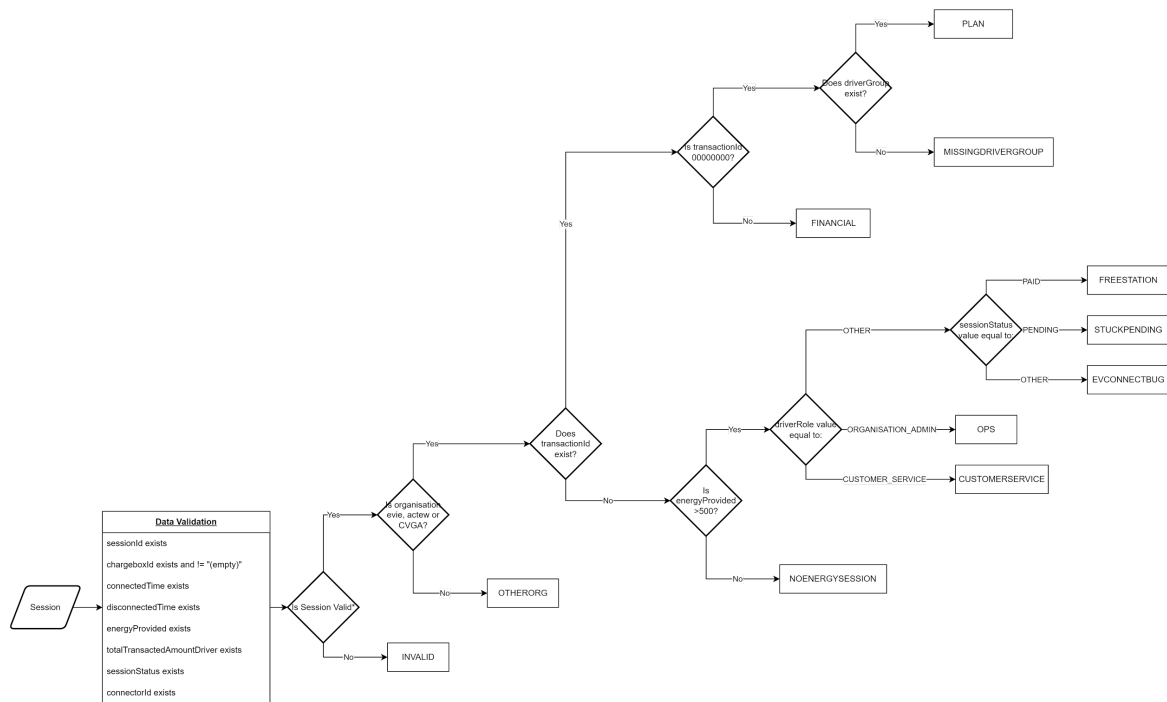


Figure 2 - Session Categorisation Logic (Abstracted)

Jeremy has implemented the logic above in a DOMO ETL here:

<https://goevie-com-au.domo.com/datacenter/dataflows/119/graph>

The breakdown of the data is shown here:

<https://goevie-com-au.domo.com/page/437479925/kpis/details/355459607>

After moving on from Session Categorisation, we are not ready to begin breaking down the sessions which are categorised as “FINANCIAL”. This is defined as any session which has a transaction ID from braintree. Our intention is to account for all transactions in braintree which inevitably end up in the NAB bank account. This is shown in the following diagram.

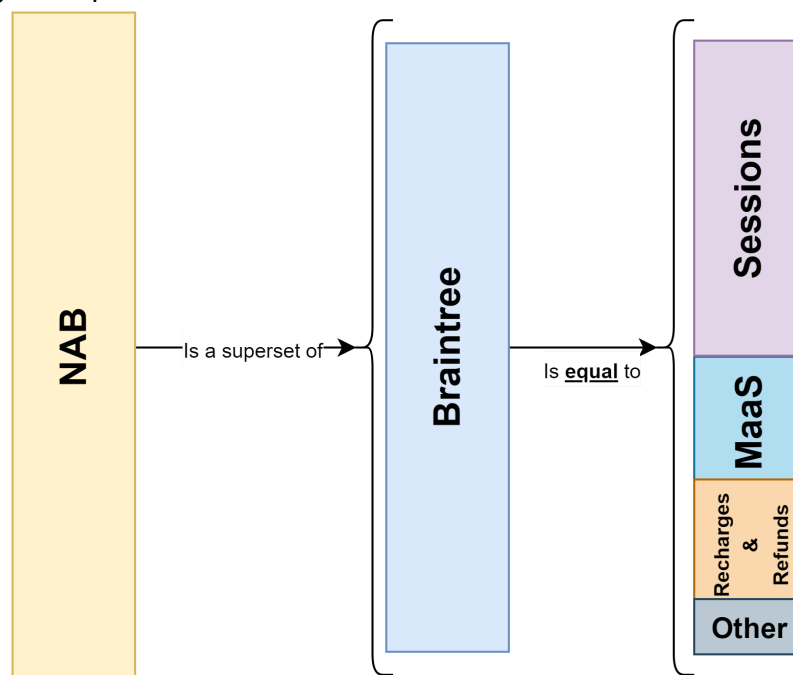


Figure 3 - Assumed Data Hierarchy

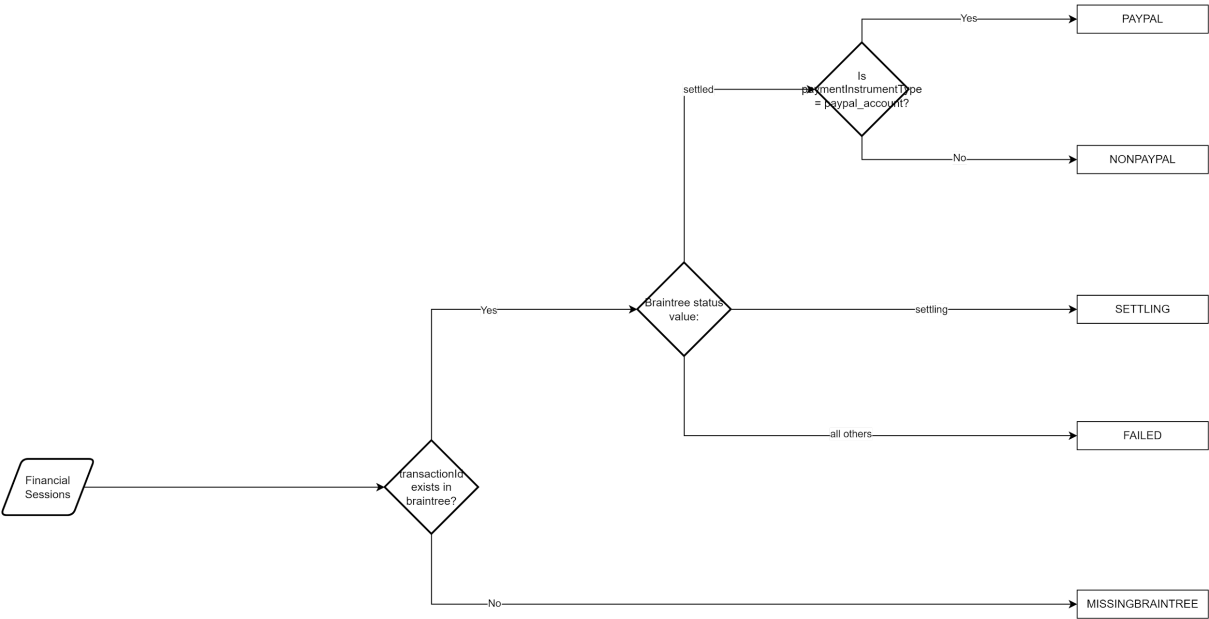


Figure 4 - Financial Session Categorisation Logic (Abstracted)

The DOMO ETL used to implement this classification is shown here:

<https://goevie-com-au.domo.com/datacenter/dataflows/125/graph>

A breakdown of the data is shown here:

<https://goevie-com-au.domo.com/page/437479925/kpis/details/1005124119>

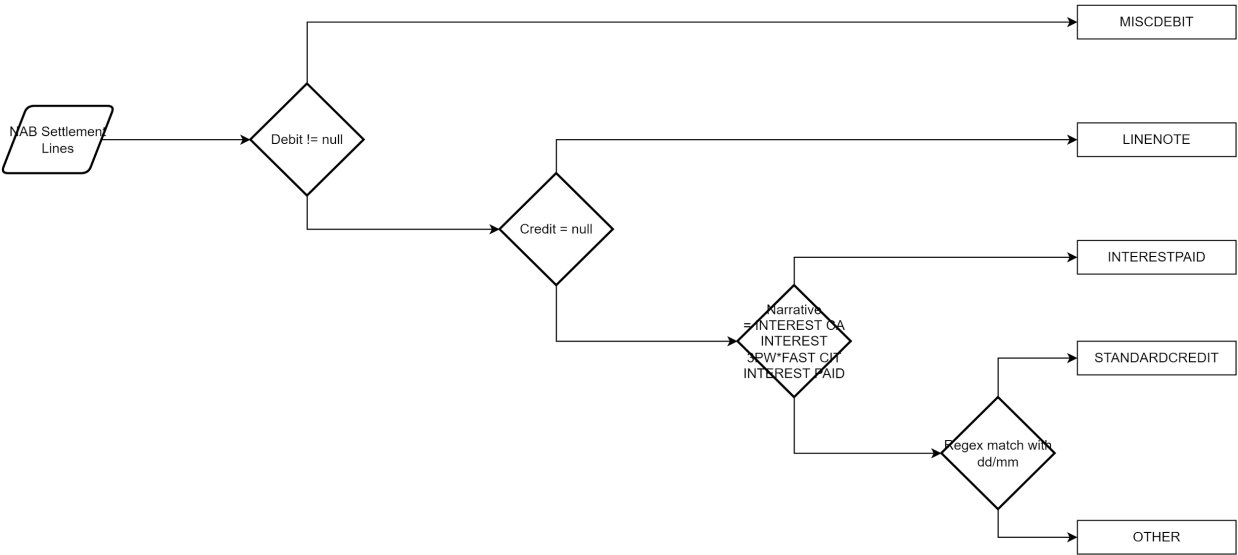



Figure 5 - NAB File categorisation flow

3. Reconciliation processes

Manual Transactions

In order to account for everything in Braintree, we need to make sure that every manual transaction is accounted for through an external system. A basic process flow diagram is detailed below. The key inputs to this process are:

1. NAB settlement file
2. Braintree transactions
3. Manual Transactions
 - a.  Manual Transactions

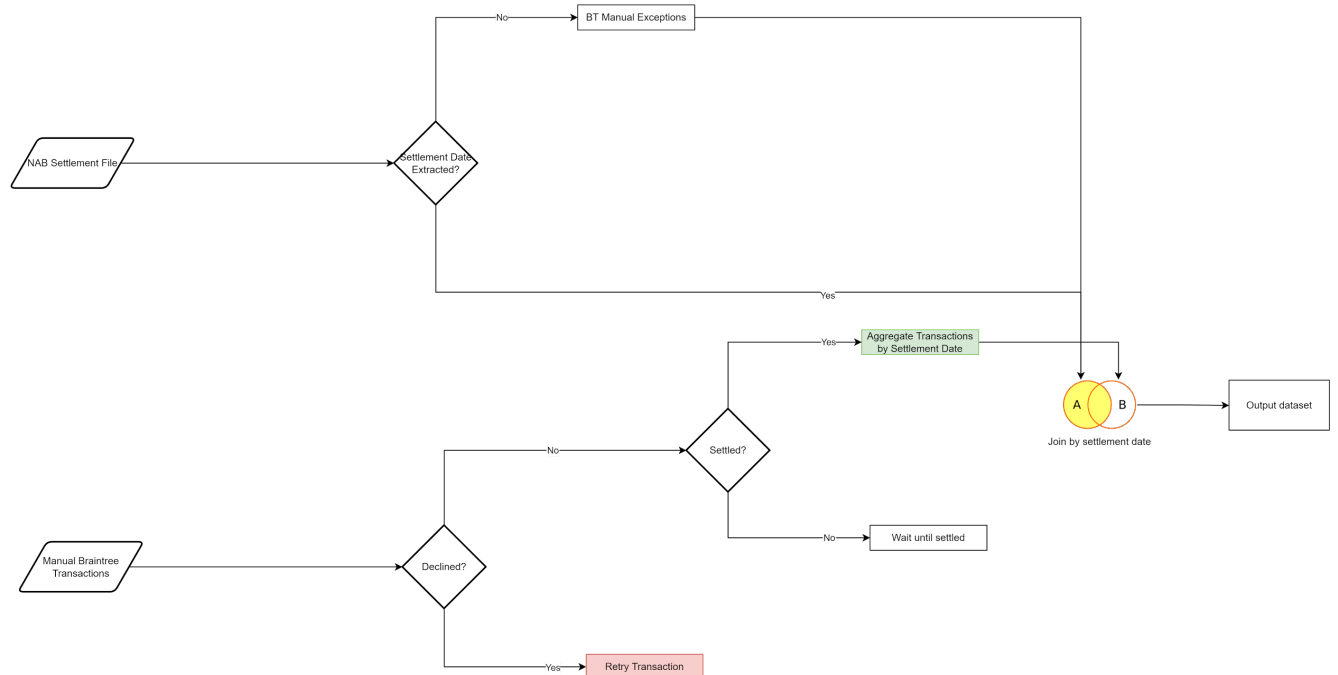


Figure 6 - Manual Transaction Recon Process [WIP]

4. Journal Building Logic

4.1 Journal Line Categorisation

We start with Invoiceable Events. These are made up of the following transaction/session categories.

Include rows that meet of the following rules

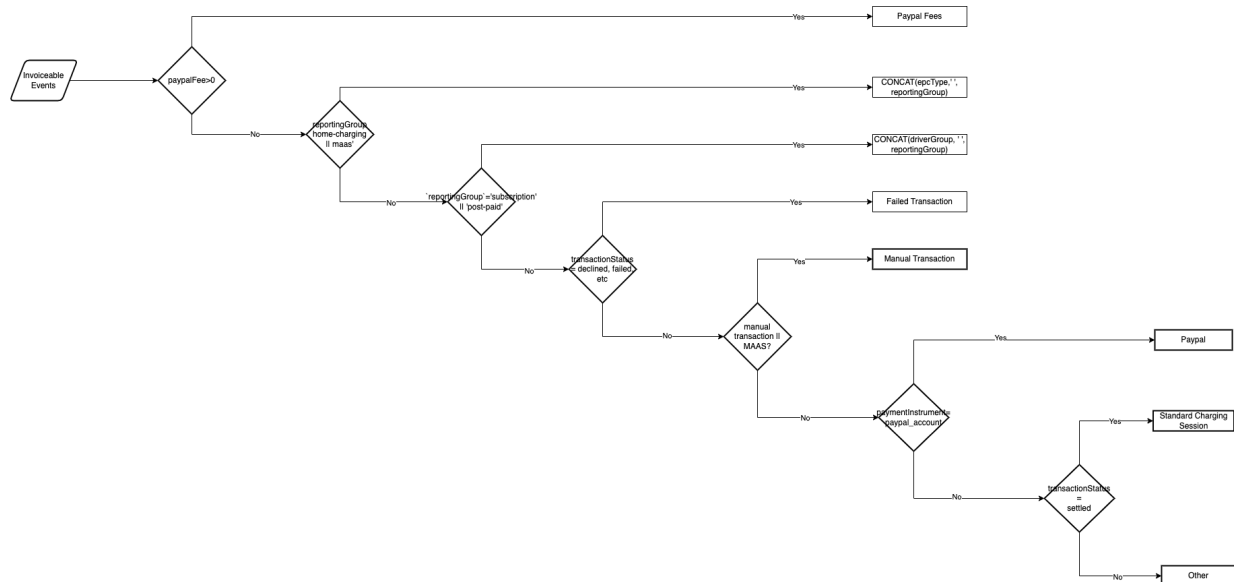
1 braintreeTransactionCategory IS NULL

2 braintreeTransactionCategory = EVCONNECT

3 braintreeTransactionCategory = MANUALRECHARGE

Note that this flow does not include the following categories of sessions: INVALID, OTHERORG, NOENERGYSESSION, OPS, CUSTOMERSERVICE, FREESTATION, STUCKPENDING, MISSINGDRIVERGROUP.

These transactions/sessions then flow through to the [MN - Categorise Journal Lines](#) dataflow, which tags each transaction/session with its appropriate category in the financial journal.



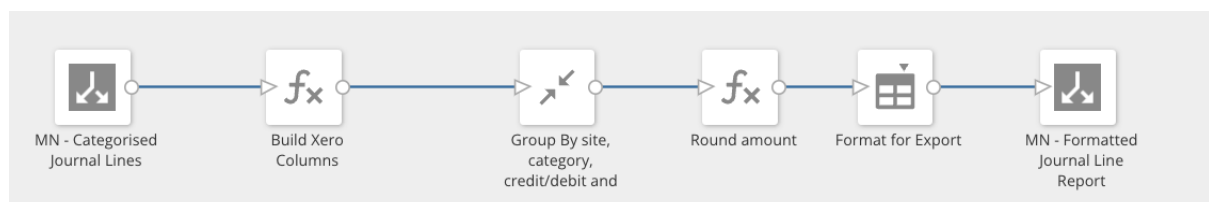
This flow is also responsible for:

1. Joining manual transactions which do not have a session associated with them
2. Netting off the appropriate lines which represent revenue but not money received (i.e plans etc) with an equal but opposite credit line

4.2 Journal Line Aggregation

[MN - Format Journal Lines for Xero](#) is responsible for:

1. Aggregating all sessions and transactions by their appropriate types so we can get an aggregated \$ amount which is composed of sessions/txns
2. Formatting the extract in the appropriate format which is ingestible by Xero



4.3 Delivery Method

There are two Dashboards which present the data mined above in a digestible format.

1. [Finance Recon Dashboard](#)
 - a. Used to confirm that we have all the data necessary to create the output to Xero
2. [Finance Export Dashboard](#)
 - a. Used to present the actual export files to be uploaded to Xero, and the sessions/txns that make it up

Appendix

A. Plan Session Account Spec

Invoice line specification					
Transaction Type	Account Code	Tax Type	tracking	Jira Issue	Notes
Ementum	Positive: normal, 200, 220 etc Negative: 424	GST on Income for both preferred	Same site and program		Use EPC type to determine whether we want to add another invoice line Use reportingGroup to determine account code
Pepper Money esque subscriptions	Positive: normal, 200, 220 etc Negative: 5060-0010 or any subscription that is not MaaS or Home Charging	GST on Income for both preferred	Same site and program		Pre-paid Subscription reporting group
Home Charging BYD...	Positive: normal Negative: 5050-0010	GST on Income for both preferred	Same site and program		
Post-Paid Products, Hertz 100%, MRSC Post-Paid Plan	1 invoice line	Excluding GST & BAS Excluded			

```
[  
{  
  "parentPlanId": "c23d26fd-7d63-4613-bd55-e2c6b212d690",
```


```

    "driverGroup": "Pepper Subscription Plan",
    "epcType": "pre-paid",
    "reportingGroup": "subscription"
  },
  {
    "parentPlanId": "cd12909d-1bd3-41c5-a2af-f3ca2caf3d7a",
    "driverGroup": "BYD Subscription Plan",
    "epcType": "pre-paid",
    "reportingGroup": "home-charging"
  },
  {
    "parentPlanId": "9c310eee-db5f-44bb-b122-a906495566d5",
    "driverGroup": "Hertz 100%",
    "epcType": "post-paid",
    "reportingGroup": "post-paid"
  },
  {
    "parentPlanId": "af30edd5-f28f-4cec-811b-bcabe7993826",
    "driverGroup": "MRSC Post-Paid Plan",
    "epcType": "post-paid",
    "reportingGroup": "post-paid"
  },
  {
    "parentPlanId": "8f21e7af-0f55-4d52-ad42-9dcea15ec719",
    "driverGroup": "Ementum - Drivers",
    "epcType": "pre-paid",
    "reportingGroup": "maas"
  }
]

```

B. Journal Line Categorisation Decision Log

Spreadsheet to work out initial upload of October, November, December 2022

 Finance Recon v2