

In this example, we will get the sum of **Last Occurrences** where the **Proposition** is the children of the **Proposition** we have assigned to the **Action** that **MXO** is evaluating the **Eligibility** for but not itself, and the **Activity Type** is "AT 1".

First, we need to make a supporting rule that gets us the **Proposition Path** assigned to the **Action** that **MXO** is evaluating the **Eligibility** for:

Choose a data item

Profiles

Data Items

Functions

Search

Data Adapters

Eligibility Rules

Action Attributes

- Action name
- Campaign code
- End date
- Has effective date range
- Marketing priority
- Proposition code
- Proposition name
- Proposition path
- Start date

Proposition path

Action Attributes / Proposition path

Cancel

Done

We can then save this rule:

Action Attributes - Proposition Path

Enter a brief description of your Eligibility Rule

Proposition path

...

This **Proposition Path** will match the **Proposition** we have assigned to our **Action** and its children, but we only want it to match the children. To do this we need to append an "/" onto the end of our **Proposition Path** so the parent **Proposition** will no longer match:

Action Attributes - Proposition Path - Exclusive

Enter a brief description of your Eligibility Rule

concatenate

Action Attributes - Proposition Path

"/"

to a string

...

As we are aggregating, we first need to select which aggregation **function** we are using. We will be using **Latest date in** to get the latest date from the **Last Occurrence** for each matching **Proposition & Activity Type**:

Proposition - Last Occurrence - Current Proposition Exclusive + AT 1

Enter a brief description of your Eligibility Rule

latest date in

...

Next, we open the **DIP**, select the field we want:

Choose a data item as a list

Profiles

Data Items

Functions

Search

Data Adapters

actions

customerMetaData

device

propositions

Activities

Activity Type name

Activity count

Diminished count

Last occurrence

Completed

Cumulative count

Cumulative diminished count

Proposition code

Proposition name

Total count

Last occurrence

Propositions / Activities / Last occurrence

You have selected the whole Propositions collection.

If you want to be more specific, add selection criteria

You have selected the whole Activities collection.

If you want to be more specific, add selection criteria

Cancel

Done

You will notice that as we have used this **function**, when we enter the **DIP** we are limited to only fields that return a **Datetime** and that we are not required to apply any filters.

We will select the rule we made for the **Proposition**, and apply our **Activity Type** filter:

Choose a data item as a list

ProfilesData ItemsFunctions

Search

Data Adapters

actions

customerMetaData

device

propositions

Activities

Activity Type name

Activity count

Diminished count

Last occurrence

Completed

Cumulative count

Cumulative diminished count

Proposition code

Proposition name

Total count

Last occurrence

Propositions / Activities / Last occurrence

Retrieve the Last occurrence for Propositions where

Proposition name ≥

Action Attributes - Proposition Path - Exclusive

Retrieve the Last occurrence for Activities where

Activity Type name =

AT 1

Cancel

Next →

Finally, we save our rule:

Proposition - Last Occurrence - Current Proposition Exclusive + AT 1

Enter a brief description of your Eligibility Rule

latest date in [Last occurrence of Current Proposition Exclusive + AT 1] ...