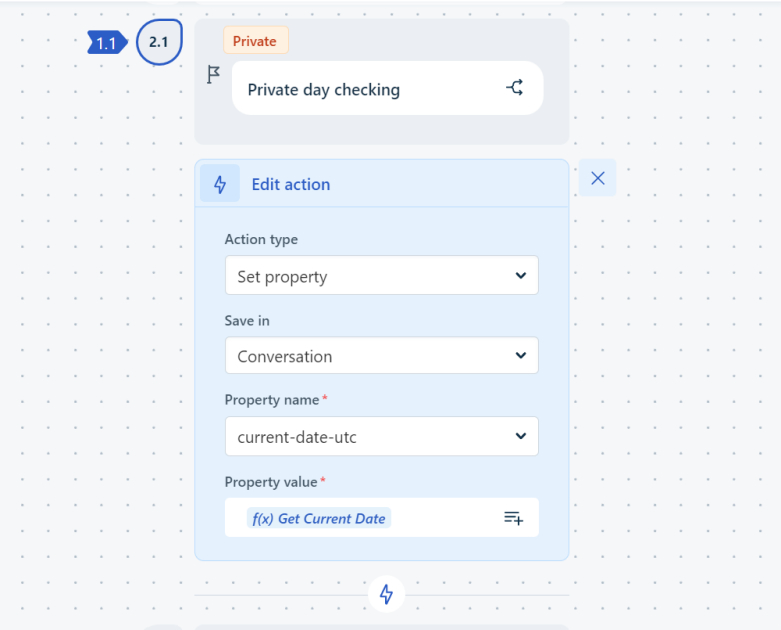
How to setup custom business hours check in bots based on Day and time of the week?

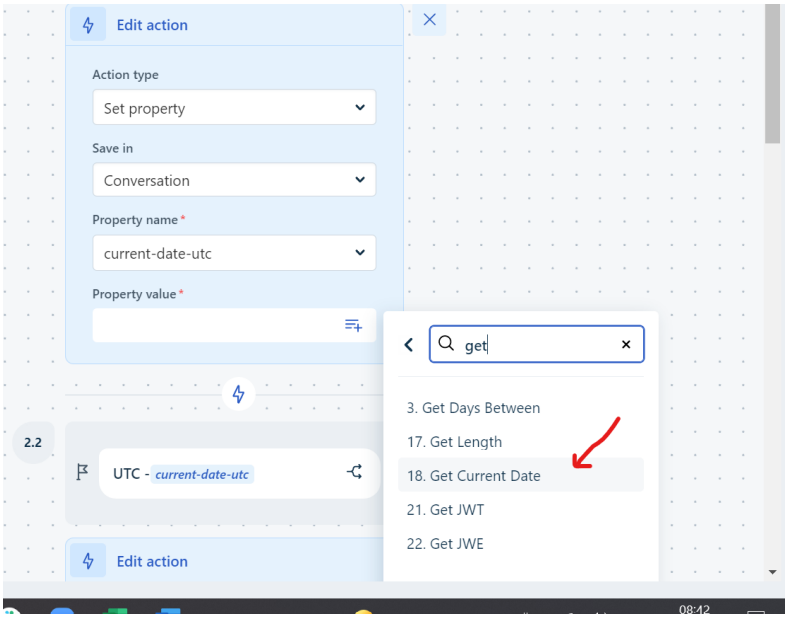
Example use case : Business works 24*7 but has different working hours for Weekdays and Weekends.

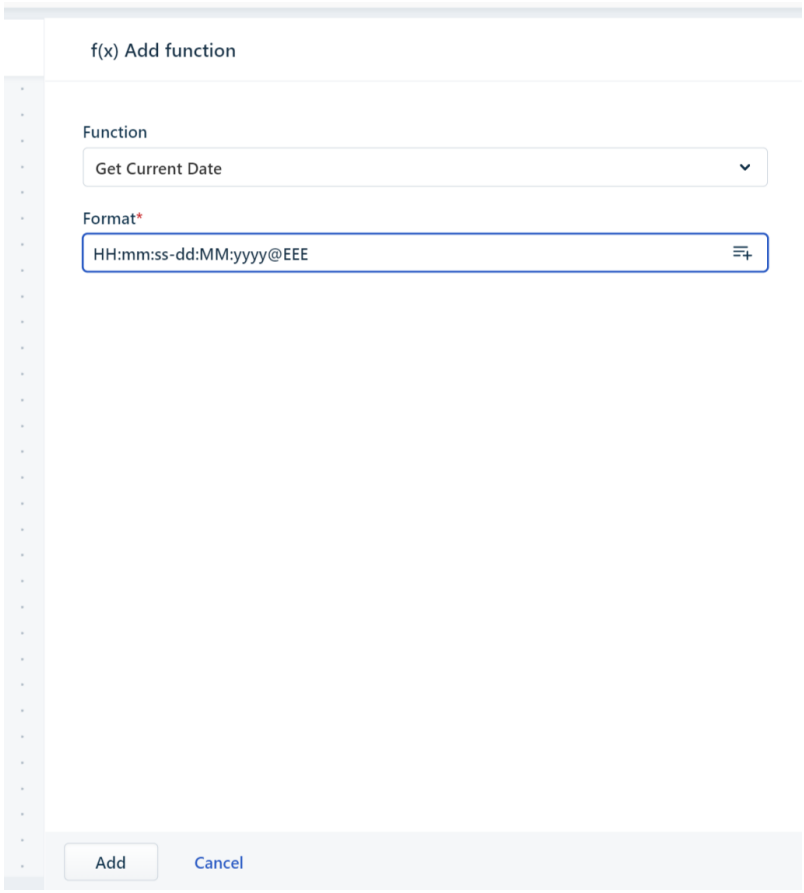
Step 1

Have a private flow at the beginning of your botflow/the dialog where you would like to check the business hours

Create a property with property name as current-date-utc (Name only for reference) and property value as configured below







Here we have used HH:mm:ss-dd:MM:yyyy@EEE as the format specifically for our setup

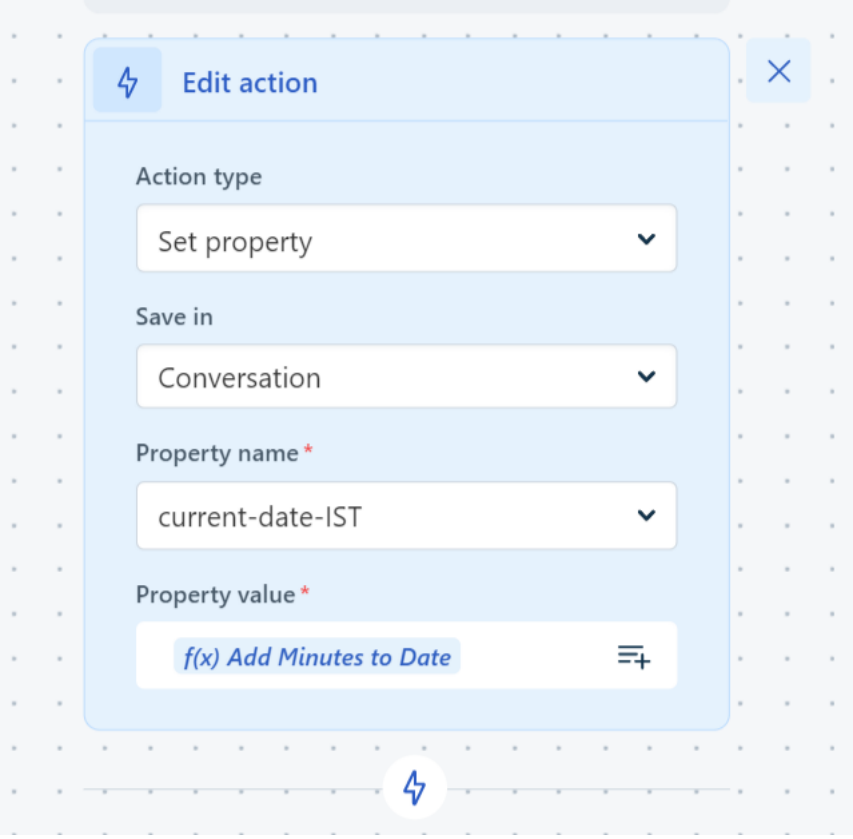
In general, the "f(x) Get Current Date" will return the day and date, if the format is specified as below:

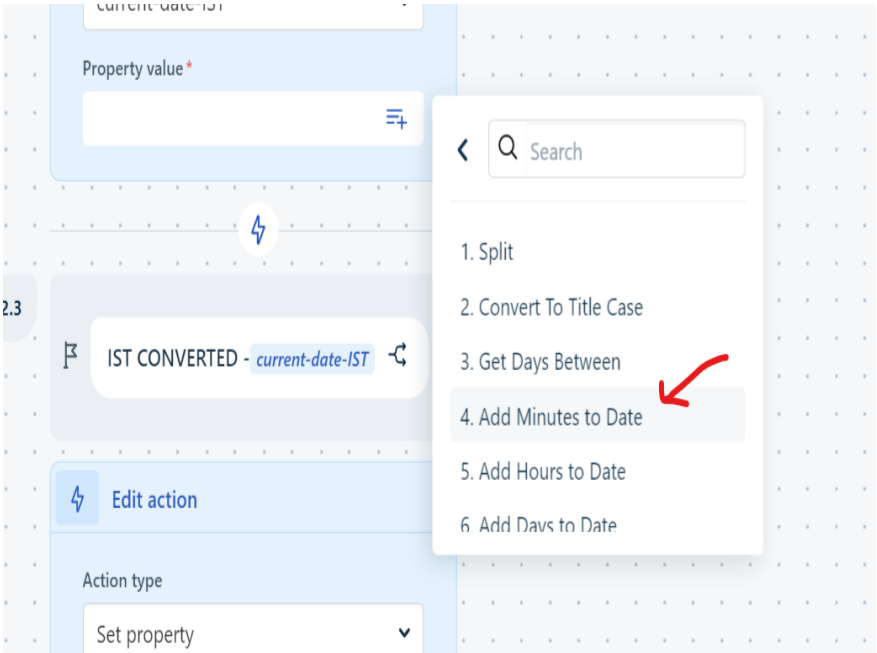
If you need just the date: dd-mm-yyyy: 30-09-2021
If you need date and day: dd-mm-yyyy@EEEE: 30-09-2021@Thursday (you can use @,- or any special character of your choice)
If you need just the day: EEE: Thu
If you need the time : HH:mm:ss

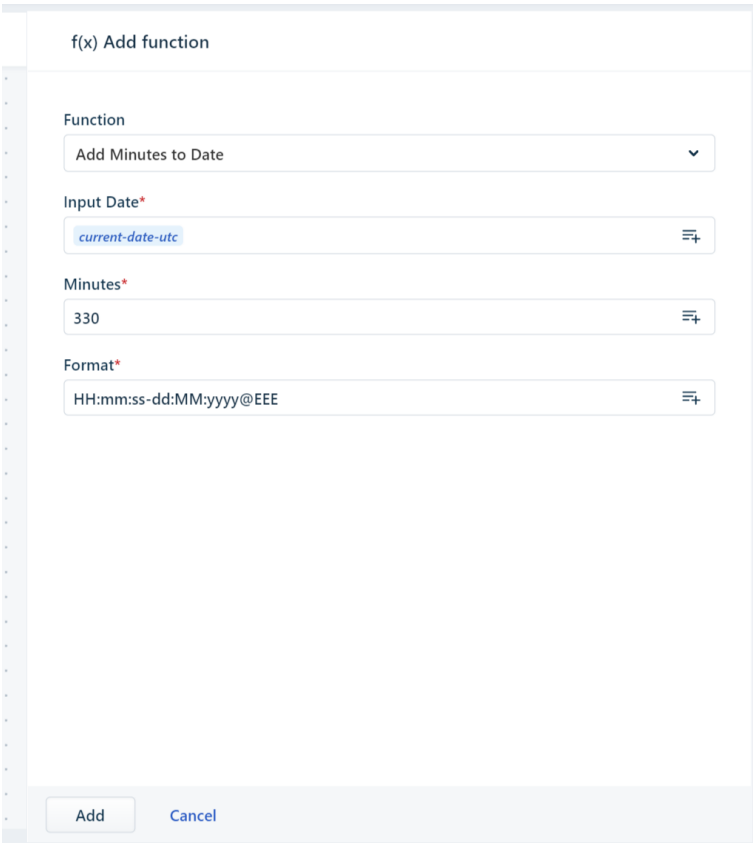
Since the current date function will only fetch the date in UTC format, we have saved it in a separate property.

Step 2

Use another Set property action in the same dialog or the next dialog with Property name current-date-IST and property value as shown below





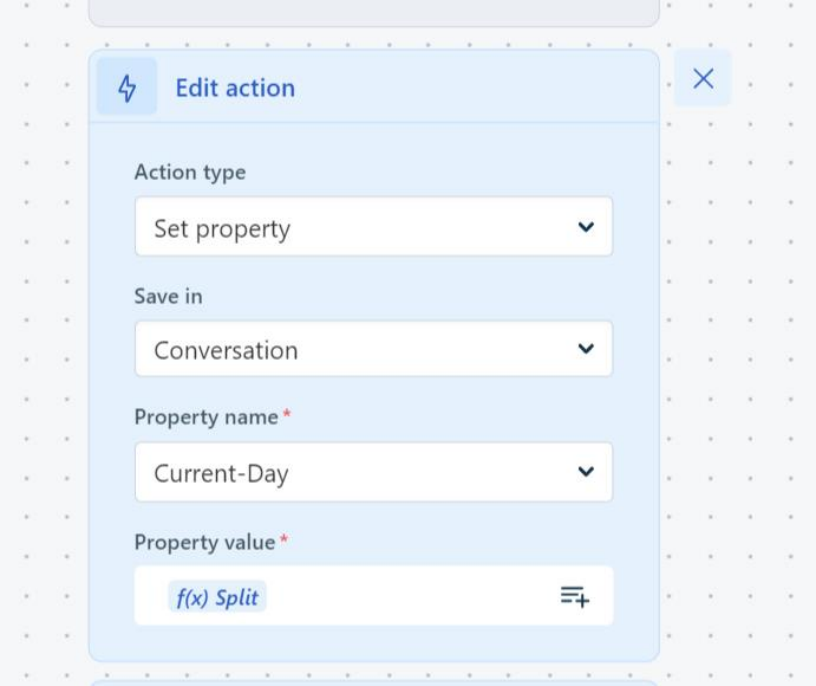


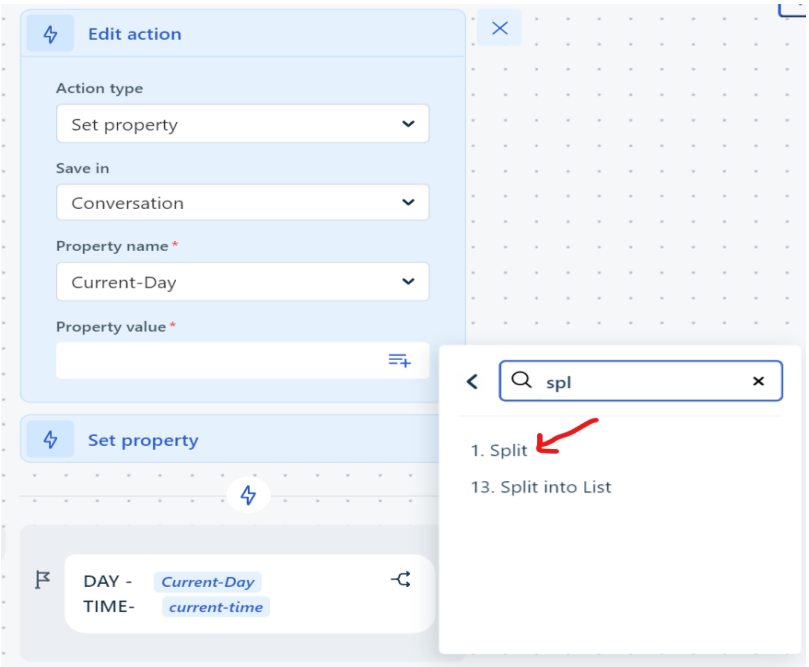
Input date would be the previous property that we have stored.

Here, we are adding 330 minutes to the UTC time so that the time can be converted to IST. Based on your timezone, you can add the number of minutes to be added by checking the time difference between UTC and your required timezone

Step 3

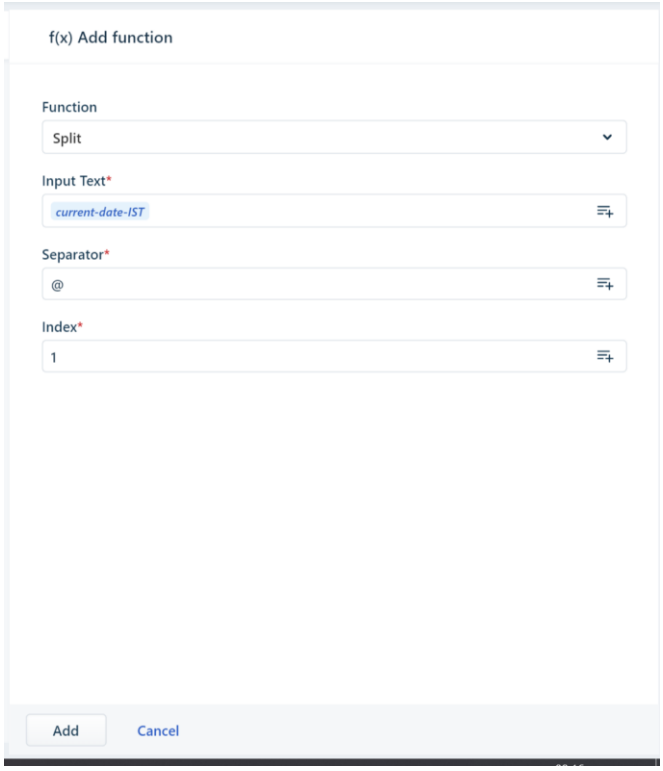
Now create a new property called Current-day as property name and property value as configured below





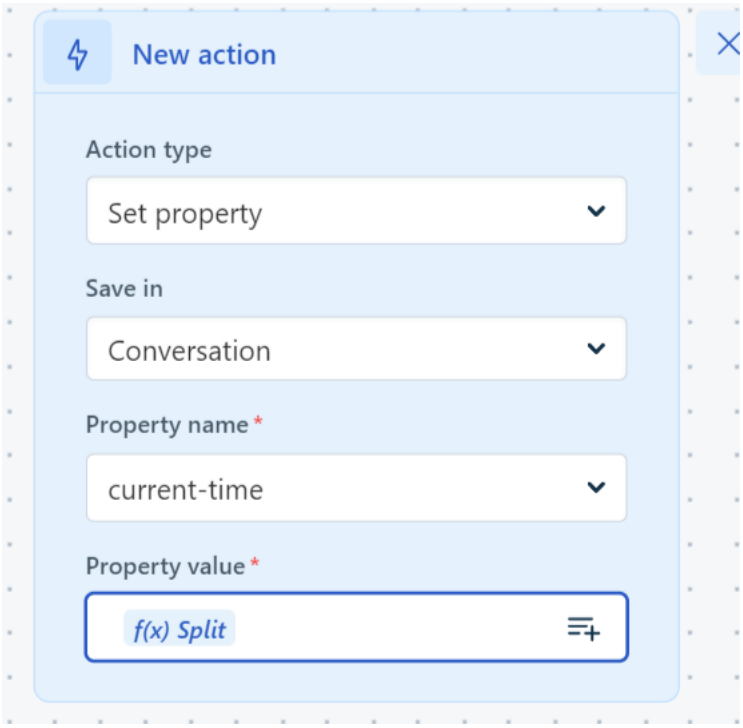
Here, the input text would be the property where you had converted the UTC date to your required timezone

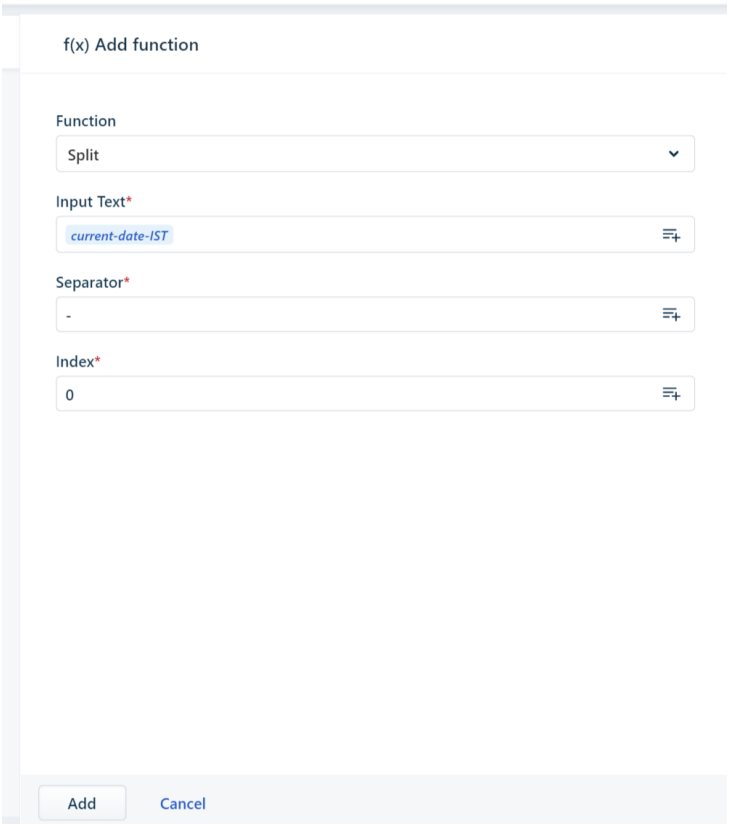
Separator would be @ and index would 1 to get the day separately.



Step 4

Now create another property with property name as current-time and property value as configured below (sample split function as used above)



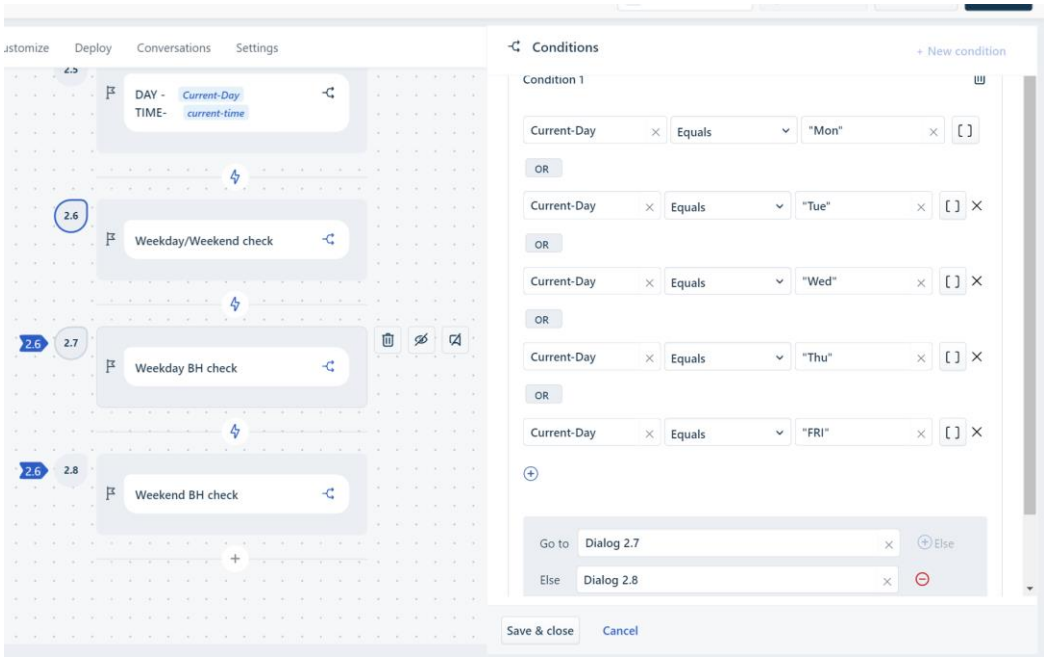
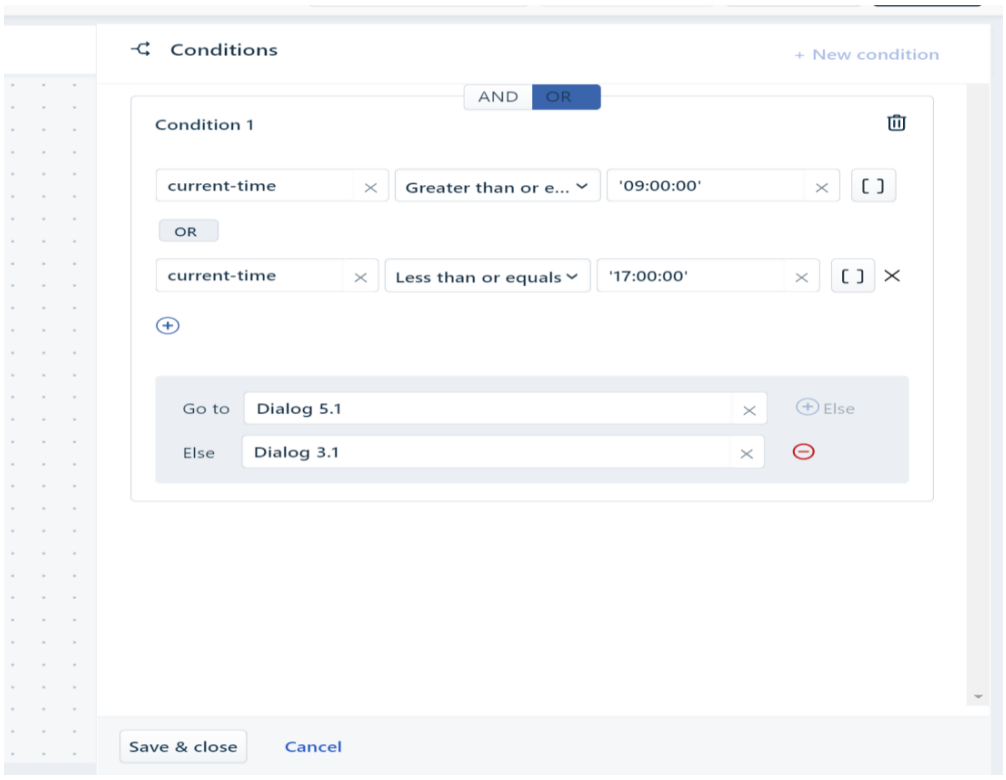


Step 5

Now, we have both current time and current day with us as separate properties.

We can use that in the next dialog to check the day and time

Day of the week check :



Time of the day check :