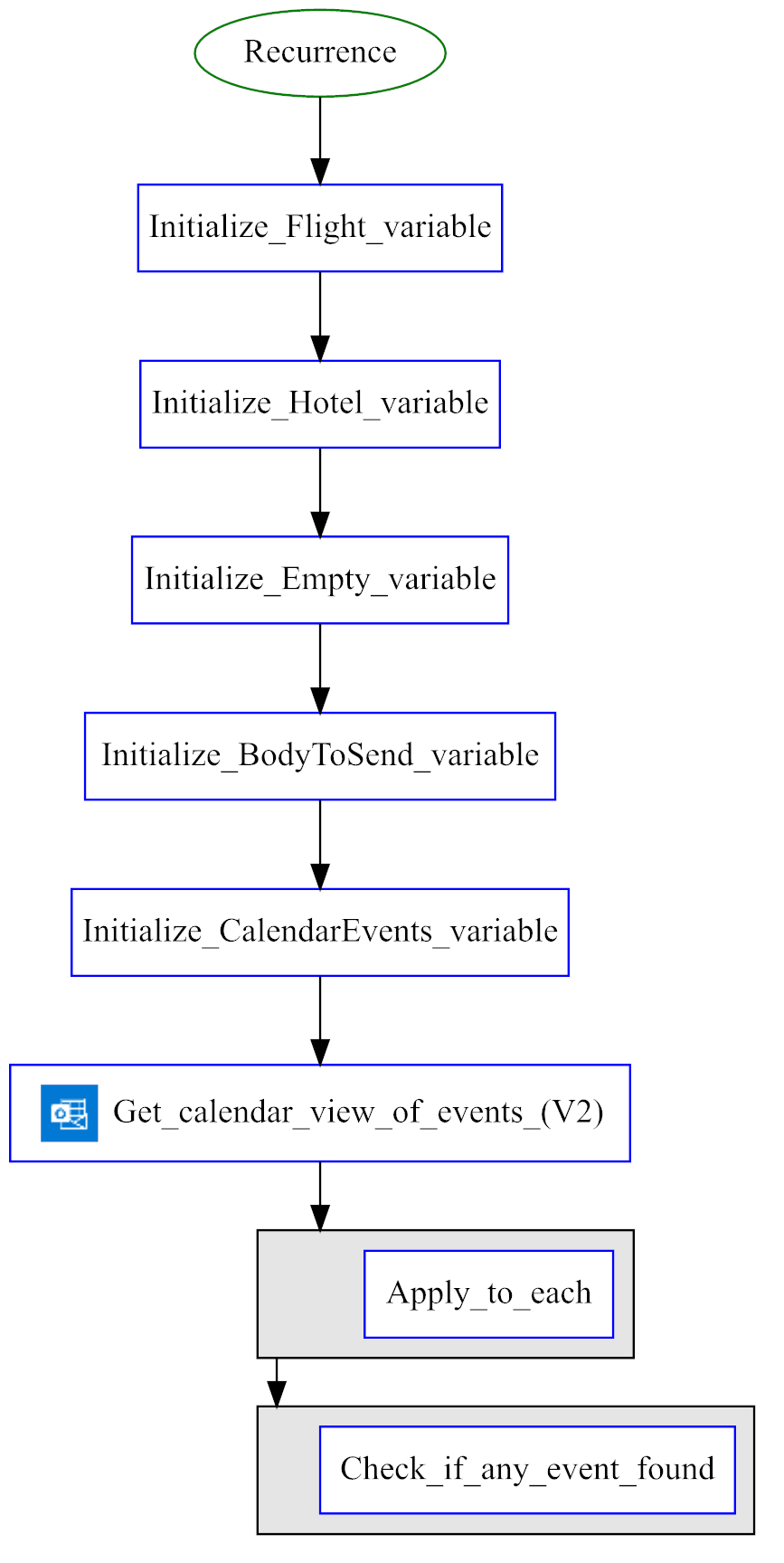
# Flow Documentation

|  |  |
| --- | --- |
| **Flow Name** | Email me with a list of upcoming Calendar events |
| **Flow ID** | e6b4e32f-c97d-4280-896b-57976ea698e3 |

## Flow Overview

The following chart shows the top level layout of the Flow. For a detailed view, please visit the section called Detailed Flow Diagram



## Connections

The following connections are used in this Flow:

### Office 365 Outlook

|  |  |  |  |
| --- | --- | --- | --- |
| **Connector** | [|  |  | | --- | --- | |  | Office 365 Outlook |](https://docs.microsoft.com/connectors/office365) |
| **Connection Type** | Connector |
| **ID** | shared\_office365 |
| **Source** | Embedded |

### MSN Weather

|  |  |  |  |
| --- | --- | --- | --- |
| **Connector** | [|  |  | | --- | --- | |  | MSN Weather |](https://docs.microsoft.com/connectors/msnweather) |
| **Connection Type** | Connector |
| **ID** | shared\_msnweather |
| **Source** | Embedded |

### Office 365 Users

|  |  |  |  |
| --- | --- | --- | --- |
| **Connector** | [|  |  | | --- | --- | |  | Office 365 Users |](https://docs.microsoft.com/connectors/office365users) |
| **Connection Type** | Connector |
| **ID** | shared\_office365users |
| **Source** | Embedded |

## Trigger

|  |  |
| --- | --- |
| **Name** | Recurrence |
| **Type** | Recurrence |
| **Recurrence Details** |  |
| **frequency** | Week |
| **interval** | 1 |

## Actions

The following actions are used in this Flow:

### Get\_calendar\_view\_of\_events\_(V2)

|  |  |
| --- | --- |
| **Name** | Get\_calendar\_view\_of\_events\_(V2) |
| **Type** | ApiConnection |
| **Connection** | [|  |  | | --- | --- | |  | Office 365 Outlook |](https://docs.microsoft.com/connectors/office365) |
| **Inputs** |  |
| **host** | |  |  |  |  | | --- | --- | --- | --- | | api | |  |  | | --- | --- | | runtimeUrl | https://flow-apim-europe-001-northeurope-01.azure-apim.net/apim/office365 | |  |  |  |  |  | | --- | --- | --- | --- | | connection | |  |  | | --- | --- | | name | @parameters('$connections')['shared\_office365']['connectionId'] | | |
| **method** | get |
| **path** | /datasets/calendars/v2/tables/items/calendarview |
| **queries** | |  |  | | --- | --- | | calendarId | AAMkAGUxMmMwNDYxLTE2MWUtNDg4NS1hZTViLTQ0OGRiYTYxNjMxYQBGAAAAAAA9OrE7guxLRZawE4FUVzEDBwA85BmDcoplRqBtm4DAEgO5AAAAAAEGAAA85BmDcoplRqBtm4DAEgO5AAAAf\_AzAAA= |  |  |  | | --- | --- | | startDateTimeOffset | @{utcNow()} |  |  |  | | --- | --- | | endDateTimeOffset | @{addDays(utcNow(),6)} | |
| **authentication** | @parameters('$authentication') |

### Initialize\_CalendarEvents\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_CalendarEvents\_variable |
| **Type** | InitializeVariable |
| **Inputs** |  |
| **variables** | |  |  | | --- | --- | | name | CalendarEvents |  |  |  | | --- | --- | | type | Object |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | value | |  |  | | --- | --- | | Subject |  |  |  |  | | --- | --- | | StartTime |  |  |  |  | | --- | --- | | EndTime |  |  |  |  | | --- | --- | | Location |  |  |  |  | | --- | --- | | Hotel |  |  |  |  | | --- | --- | | Flight |  |  |  |  | | --- | --- | | CurrentWeather |  | | |

### Initialize\_BodyToSend\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_BodyToSend\_variable |
| **Type** | InitializeVariable |
| **Inputs** |  |
| **variables** | |  |  | | --- | --- | | name | BodyToSend |  |  |  | | --- | --- | | type | Array | |

### Initialize\_Empty\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_Empty\_variable |
| **Type** | InitializeVariable |
| **Inputs** |  |
| **variables** | |  |  | | --- | --- | | name | Empty |  |  |  | | --- | --- | | type | String | |

### Apply\_to\_each

|  |  |
| --- | --- |
| **Name** | Apply\_to\_each |
| **Type** | Foreach |
| Subactions | [Check\_if\_location\_is\_empty](#Check_if_location_is_empty)  [Check\_if\_its\_Flight](#Check_if_its_Flight)  [Compose\_Flight\_or\_Hotel](#Compose_Flight_or_Hotel)  [Empty\_Flight\_variable](#Empty_Flight_variable)  [Empty\_Hotel\_variable](#Empty_Hotel_variable) |

### Check\_if\_location\_is\_empty

|  |  |
| --- | --- |
| **Name** | Check\_if\_location\_is\_empty |
| **Type** | If |
| **Expression** | @not(empty(items('Apply\_to\_each')?['Location'])) |
| Subactions | [Get\_current\_weather](#Get_current_weather)  [Set\_CalendarEvents\_variable](#Set_CalendarEvents_variable)  [Compose\_Weather](#Compose_Weather)  [Set\_CalendarEvents](#Set_CalendarEvents)  [Append\_to\_array\_variable](#Append_to_array_variable)  [Append\_to\_CalendarEvents\_array\_variable](#Append_to_CalendarEvents_array_variable) |
| Elseactions | [Set\_CalendarEvents\_Values](#Set_CalendarEvents_Values)  [Append\_to\_CalendarEvents\_array](#Append_to_CalendarEvents_array) |

### Check\_if\_its\_Flight

|  |  |
| --- | --- |
| **Name** | Check\_if\_its\_Flight |
| **Type** | If |
| **Expression** | @contains(toLower(outputs('Compose\_Flight\_or\_Hotel')), 'flight') |
| Subactions | [Set\_Flight\_variable](#Set_Flight_variable) |
| Elseactions | [Check\_if\_its\_Hotel](#Check_if_its_Hotel) |

### Get\_current\_weather

|  |  |
| --- | --- |
| **Name** | Get\_current\_weather |
| **Type** | ApiConnection |
| **Connection** | [|  |  | | --- | --- | |  | MSN Weather |](https://docs.microsoft.com/connectors/msnweather) |
| **Inputs** |  |
| **host** | |  |  |  |  | | --- | --- | --- | --- | | api | |  |  | | --- | --- | | runtimeUrl | https://flow-apim-europe-001-francecentral-01.azure-apim.net/apim/msnweather | |  |  |  |  |  | | --- | --- | --- | --- | | connection | |  |  | | --- | --- | | name | @parameters('$connections')['shared\_msnweather']['connectionId'] | | |
| **method** | get |
| **path** | /current/@{encodeURIComponent(items('Apply\_to\_each')?['Location'])} |
| **queries** | |  |  | | --- | --- | | units | Imperial | |
| **authentication** | @parameters('$authentication') |

### Set\_CalendarEvents\_variable

|  |  |
| --- | --- |
| **Name** | Set\_CalendarEvents\_variable |
| **Type** | SetVariable |
| **Inputs** |  |
| **name** | CalendarEvents |
| **value** | |  |  | | --- | --- | | Subject | @{items('Apply\_to\_each')?['Subject']} |  |  |  | | --- | --- | | StartTime | @{formatDateTime(items('Apply\_to\_each')['Start'],'yyyy-MM-ddThh:mm:ss')} |  |  |  | | --- | --- | | EndTime | @{formatDateTime(items('Apply\_to\_each')['End'],'yyyy-MM-ddThh:mm:ss')} |  |  |  | | --- | --- | | Location | @{items('Apply\_to\_each')?['Location']} |  |  |  | | --- | --- | | CurrentWeather |  |  |  |  | | --- | --- | | Hotel | @{variables('Hotel')} |  |  |  | | --- | --- | | Flight | @{variables('Flight')} | |

### Compose\_Weather

|  |  |
| --- | --- |
| **Name** | Compose\_Weather |
| **Type** | Compose |
| **Inputs** |  |
| **Value** | Conditions: @{body('Get\_current\_weather')?['responses']?['weather']?['current']?['cap']}<br> Humidity: @{body('Get\_current\_weather')?['responses']?['weather']?['current']?['rh']}<br> Temperature: @{body('Get\_current\_weather')?['responses']?['weather']?['current']?['temp']} @{body('Get\_current\_weather')?['units']?['temperature']}<br> Wind Speed: @{body('Get\_current\_weather')?['responses']?['weather']?['current']?['windSpd']} @{body('Get\_current\_weather')?['units']?['speed']}<br> |

### Set\_CalendarEvents

|  |  |
| --- | --- |
| **Name** | Set\_CalendarEvents |
| **Type** | SetVariable |
| **Inputs** |  |
| **name** | CalendarEvents |
| **value** | |  |  | | --- | --- | | Subject | @{items('Apply\_to\_each')?['Subject']} |  |  |  | | --- | --- | | StartTime | @{formatDateTime(items('Apply\_to\_each')['Start'],'yyyy-MM-ddThh:mm:ss')} |  |  |  | | --- | --- | | EndTime | @{formatDateTime(items('Apply\_to\_each')['End'],'yyyy-MM-ddThh:mm:ss')} |  |  |  | | --- | --- | | Location | @{items('Apply\_to\_each')?['Location']} |  |  |  | | --- | --- | | CurrentWeather | @{outputs('Compose\_Weather')} |  |  |  | | --- | --- | | Hotel | @{variables('Hotel')} |  |  |  | | --- | --- | | Flight | @{variables('Flight')} | |

### Append\_to\_array\_variable

|  |  |
| --- | --- |
| **Name** | Append\_to\_array\_variable |
| **Type** | AppendToArrayVariable |
| **Inputs** |  |
| **name** | BodyToSend |
| **value** | @variables('CalendarEvents') |

### Append\_to\_CalendarEvents\_array\_variable

|  |  |
| --- | --- |
| **Name** | Append\_to\_CalendarEvents\_array\_variable |
| **Type** | AppendToArrayVariable |
| **Inputs** |  |
| **name** | BodyToSend |
| **value** | @variables('CalendarEvents') |

### Set\_CalendarEvents\_Values

|  |  |
| --- | --- |
| **Name** | Set\_CalendarEvents\_Values |
| **Type** | SetVariable |
| **Inputs** |  |
| **name** | CalendarEvents |
| **value** | |  |  | | --- | --- | | Subject | @{items('Apply\_to\_each')?['Subject']} |  |  |  | | --- | --- | | StartTime | @{formatDateTime(items('Apply\_to\_each')['Start'],'yyyy-MM-ddThh:mm:ss')} |  |  |  | | --- | --- | | EndTime | @{formatDateTime(items('Apply\_to\_each')['End'],'yyyy-MM-ddThh:mm:ss')} |  |  |  | | --- | --- | | Location |  |  |  |  | | --- | --- | | CurrentWeather |  |  |  |  | | --- | --- | | Hotel | @{variables('Hotel')} |  |  |  | | --- | --- | | Flight | @{variables('Flight')} | |

### Append\_to\_CalendarEvents\_array

|  |  |
| --- | --- |
| **Name** | Append\_to\_CalendarEvents\_array |
| **Type** | AppendToArrayVariable |
| **Inputs** |  |
| **name** | BodyToSend |
| **value** | @variables('CalendarEvents') |

### Compose\_Flight\_or\_Hotel

|  |  |
| --- | --- |
| **Name** | Compose\_Flight\_or\_Hotel |
| **Type** | Compose |
| **Inputs** |  |
| **Value** | @substring(items('Apply\_to\_each')?['Subject'],add(indexOf(items('Apply\_to\_each')?['Subject'],'-'),1),sub(sub(length(items('Apply\_to\_each')?['Subject']),indexOf(items('Apply\_to\_each')?['Subject'],'-')),1)) |

### Set\_Flight\_variable

|  |  |
| --- | --- |
| **Name** | Set\_Flight\_variable |
| **Type** | SetVariable |
| **Inputs** |  |
| **name** | Flight |
| **value** | @{outputs('Compose\_Flight\_or\_Hotel')} |

### Check\_if\_its\_Hotel

|  |  |
| --- | --- |
| **Name** | Check\_if\_its\_Hotel |
| **Type** | If |
| **Expression** | @contains(toLower(outputs('Compose\_Flight\_or\_Hotel')), 'hotel') |
| Subactions | [Set\_Hotel\_variable](#Set_Hotel_variable) |

### Set\_Hotel\_variable

|  |  |
| --- | --- |
| **Name** | Set\_Hotel\_variable |
| **Type** | SetVariable |
| **Inputs** |  |
| **name** | Hotel |
| **value** | @{outputs('Compose\_Flight\_or\_Hotel')} |

### Empty\_Flight\_variable

|  |  |
| --- | --- |
| **Name** | Empty\_Flight\_variable |
| **Type** | SetVariable |
| **Inputs** |  |
| **name** | Flight |
| **value** | @variables('Empty') |

### Empty\_Hotel\_variable

|  |  |
| --- | --- |
| **Name** | Empty\_Hotel\_variable |
| **Type** | SetVariable |
| **Inputs** |  |
| **name** | Hotel |
| **value** | @variables('Empty') |

### Initialize\_Flight\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_Flight\_variable |
| **Type** | InitializeVariable |
| **Inputs** |  |
| **variables** | |  |  | | --- | --- | | name | Flight |  |  |  | | --- | --- | | type | String | |

### Initialize\_Hotel\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_Hotel\_variable |
| **Type** | InitializeVariable |
| **Inputs** |  |
| **variables** | |  |  | | --- | --- | | name | Hotel |  |  |  | | --- | --- | | type | String | |

### Check\_if\_any\_event\_found

|  |  |
| --- | --- |
| **Name** | Check\_if\_any\_event\_found |
| **Type** | If |
| **Expression** | @greater(length(variables('BodyToSend')), 0) |
| Subactions | [Create\_HTML\_table](#Create_HTML_table)  [Compose\_BodyToSend](#Compose_BodyToSend)  [Get\_my\_profile\_(V2)](#Get_my_profile_(V2))  [Send\_an\_email](#Send_an_email) |

### Create\_HTML\_table

|  |  |
| --- | --- |
| **Name** | Create\_HTML\_table |
| **Type** | Table |
| **Inputs** |  |
| **from** | @variables('BodyToSend') |
| **format** | HTML |

### Compose\_BodyToSend

|  |  |
| --- | --- |
| **Name** | Compose\_BodyToSend |
| **Type** | Compose |
| **Inputs** |  |
| **Value** | @replace(replace(body('Create\_HTML\_table'),'&lt;','<'),'&gt;','>') |

### Get\_my\_profile\_(V2)

|  |  |
| --- | --- |
| **Name** | Get\_my\_profile\_(V2) |
| **Type** | ApiConnection |
| **Connection** | [|  |  | | --- | --- | |  | Office 365 Users |](https://docs.microsoft.com/connectors/office365users) |
| **Inputs** |  |
| **host** | |  |  |  |  | | --- | --- | --- | --- | | api | |  |  | | --- | --- | | runtimeUrl | https://flow-apim-europe-001-northeurope-01.azure-apim.net/apim/office365users | |  |  |  |  |  | | --- | --- | --- | --- | | connection | |  |  | | --- | --- | | name | @parameters('$connections')['shared\_office365users']['connectionId'] | | |
| **method** | get |
| **path** | /codeless/v1.0/me |
| **queries** | |  |  | | --- | --- | | $select | Mail | |
| **authentication** | @parameters('$authentication') |

### Send\_an\_email

|  |  |
| --- | --- |
| **Name** | Send\_an\_email |
| **Type** | ApiConnection |
| **Connection** | [|  |  | | --- | --- | |  | Office 365 Outlook |](https://docs.microsoft.com/connectors/office365) |
| **Inputs** |  |
| **host** | |  |  |  |  | | --- | --- | --- | --- | | api | |  |  | | --- | --- | | runtimeUrl | https://flow-apim-europe-001-northeurope-01.azure-apim.net/apim/office365 | |  |  |  |  |  | | --- | --- | --- | --- | | connection | |  |  | | --- | --- | | name | @parameters('$connections')['shared\_office365']['connectionId'] | | |
| **method** | post |
| **body** | |  |  | | --- | --- | | To | @{body('Get\_my\_profile\_(V2)')?['mail']}; |  |  |  | | --- | --- | | Subject | Office 365 Upcoming Calendar Events |  |  |  | | --- | --- | | Body | <html> <head> <style> table, th { border:1px solid black; text-align:left; width:14%; } td { border:1px solid black; text-align:left; width:14%; } </style> </head> <body> <html> <head> <style> table { font-family: "Times New Roman", Times, serif; border-collapse: collapse; width: 100%; } td, th { border: 1px solid #ddd; padding: 4px; } th { padding-top: 8px; padding-bottom: 8px; text-align: left; background-color: #3399ff; color: white; } </style> </head> <body> @{outputs('Compose\_BodyToSend')} </body> </html> |  |  |  | | --- | --- | | IsHtml | True | |
| **path** | /Mail |
| **authentication** | @parameters('$authentication') |

## Detailed Flow Diagram

The following chart shows the detailed layout of the Flow

