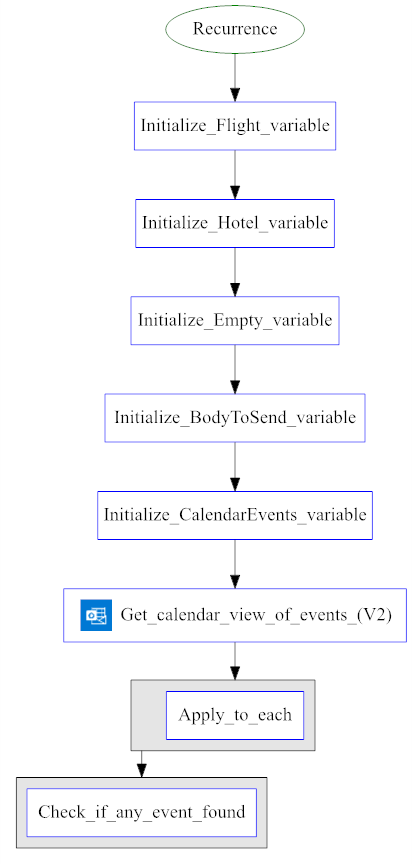
# Flow Documentation - Email me with a list of upcoming Calendar events

|  |  |
| --- | --- |
| **Flow Name** | Email me with a list of upcoming Calendar events |
| **Flow ID** | e6b4e32f-c97d-4280-896b-57976ea698e3 |
| **Documentation generated at** | Wednesday, 30 November 2022 10:33 am |
| **Number of Variables** | 5 |
| **Number of Actions** | 28 |

## 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

There are a total of 3 connections 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 |

## Variables

### BodyToSend

|  |  |
| --- | --- |
| **Name** | BodyToSend |
| **Type** | Array |
| **Initial Value** |  |
| **Used in these Actions** | [Create\_HTML\_table](#FCB7B18C682E8386F4BD8BF162FFBEFF)  [Initialize\_BodyToSend\_variable](#1C7F2EE855EE230F374699F698AF0AD3) |

### CalendarEvents

|  |  |
| --- | --- |
| **Name** | CalendarEvents |
| **Type** | Object |
| **Initial Value** | |  |  | | --- | --- | | **Subject** |  | | **StartTime** |  | | **EndTime** |  | | **Location** |  | | **Hotel** |  | | **Flight** |  | | **CurrentWeather** |  | |
| **Used in these Actions** | [Append\_to\_array\_variable](#791785DAA3D53C149C5128D181E58831)  [Append\_to\_CalendarEvents\_array](#A6DD25A052C53C7C916695FA29D00BE2)  [Append\_to\_CalendarEvents\_array\_variable](#6D1C95D9797127927BB276803F990FD5)  [Initialize\_CalendarEvents\_variable](#48A2DD5C0B43223A4A37338B5BA3E4A3)  [Set\_CalendarEvents](#B08C5BB1EB0CE81334BEEE5A3797ACD8)  [Set\_CalendarEvents\_Values](#5AA18CD83214D36A238616D6CC8EB1C7)  [Set\_CalendarEvents\_variable](#B8AD113F6D9D5E4492A068E47FC54A7F) |

### Empty

|  |  |
| --- | --- |
| **Name** | Empty |
| **Type** | String |
| **Initial Value** |  |
| **Used in these Actions** | [Empty\_Flight\_variable](#B66B3A81B5FE35A6EE612F6B9CCA19A0)  [Empty\_Hotel\_variable](#FED478991FAFAFF7290613FDA61CB18F)  [Initialize\_Empty\_variable](#F0FFB1780A4481322997994477398998) |

### Flight

|  |  |
| --- | --- |
| **Name** | Flight |
| **Type** | String |
| **Initial Value** |  |
| **Used in these Actions** | [Empty\_Flight\_variable](#B66B3A81B5FE35A6EE612F6B9CCA19A0)  [Initialize\_Flight\_variable](#693012AE55997A8FABFEDF0CD2427A0C)  [Set\_Flight\_variable](#9275C03FE288F4059BA80E03894739B7) |

### Hotel

|  |  |
| --- | --- |
| **Name** | Hotel |
| **Type** | String |
| **Initial Value** |  |
| **Used in these Actions** | [Empty\_Hotel\_variable](#FED478991FAFAFF7290613FDA61CB18F)  [Initialize\_Hotel\_variable](#F301273AAB078B22149701BBACAF206D)  [Set\_Hotel\_variable](#AEDC75189800E2FBE6616BC6A67D5E3B) |

## Trigger

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

## Actions

There are a total of 28 actions used in this Flow:

### Append\_to\_array\_variable

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

### Append\_to\_CalendarEvents\_array

|  |  |
| --- | --- |
| **Name** | Append\_to\_CalendarEvents\_array |
| **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') |

### Apply\_to\_each

|  |  |
| --- | --- |
| **Name** | Apply\_to\_each |
| **Type** | Foreach |
| **Subactions** | [Check\_if\_location\_is\_empty](#5FB2797E8799518B8C403EB179A2ABD7)  [Check\_if\_its\_Flight](#46E1535F03E91BD3303AC48876102D36)  [Compose\_Flight\_or\_Hotel](#61DDD554E22BECCF901168CE4A00FDF4)  [Empty\_Flight\_variable](#B66B3A81B5FE35A6EE612F6B9CCA19A0)  [Empty\_Hotel\_variable](#FED478991FAFAFF7290613FDA61CB18F) |
| **Next Action(s) Conditions** | [Check\_if\_any\_event\_found](#55CD4C672000773ECC43DD41AB57EE3B) [Succeeded, Failed] |

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

|  |  |
| --- | --- |
| **Name** | Check\_if\_any\_event\_found |
| **Type** | If |
| **Expression** | @greater(length(variables('BodyToSend')), 0) |
| **Subactions** | [Create\_HTML\_table](#FCB7B18C682E8386F4BD8BF162FFBEFF)  [Compose\_BodyToSend](#E77E652CB8034238CB885FEEF64C6835)  [Get\_my\_profile\_(V2)](#37B8B899D36376A165F47C0B10803B15)  [Send\_an\_email](#64C22A6A71D64D5411782F5C90EBD398) |

### Check\_if\_its\_Flight

|  |  |
| --- | --- |
| **Name** | Check\_if\_its\_Flight |
| **Type** | If |
| **Expression** | @contains(toLower(outputs('Compose\_Flight\_or\_Hotel')), 'flight') |
| **Subactions** | [Set\_Flight\_variable](#9275C03FE288F4059BA80E03894739B7) |
| **Elseactions** | [Check\_if\_its\_Hotel](#CC951138F089766331C537979E2A0C25) |
| **Next Action(s) Conditions** | [Check\_if\_location\_is\_empty](#5FB2797E8799518B8C403EB179A2ABD7) [Succeeded] |

### Check\_if\_its\_Hotel

|  |  |
| --- | --- |
| **Name** | Check\_if\_its\_Hotel |
| **Type** | If |
| **Expression** | @contains(toLower(outputs('Compose\_Flight\_or\_Hotel')), 'hotel') |
| **Subactions** | [Set\_Hotel\_variable](#AEDC75189800E2FBE6616BC6A67D5E3B) |

### 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](#1F622BB54034223308FC098A6A63A443)  [Set\_CalendarEvents\_variable](#B8AD113F6D9D5E4492A068E47FC54A7F)  [Compose\_Weather](#703F11DB896DCE3F7368D85CB2DFE09D)  [Set\_CalendarEvents](#B08C5BB1EB0CE81334BEEE5A3797ACD8)  [Append\_to\_array\_variable](#791785DAA3D53C149C5128D181E58831)  [Append\_to\_CalendarEvents\_array\_variable](#6D1C95D9797127927BB276803F990FD5) |
| **Elseactions** | [Set\_CalendarEvents\_Values](#5AA18CD83214D36A238616D6CC8EB1C7)  [Append\_to\_CalendarEvents\_array](#A6DD25A052C53C7C916695FA29D00BE2) |
| **Next Action(s) Conditions** | [Empty\_Hotel\_variable](#FED478991FAFAFF7290613FDA61CB18F) [Succeeded] |

### Compose\_BodyToSend

|  |  |
| --- | --- |
| **Name** | Compose\_BodyToSend |
| **Type** | Compose |
| **Description / Note** | Replace &lt; &gt; with < and > |
| **Inputs** | |
| **Value** | @replace(replace(body('Create\_HTML\_table'),'&lt;','<'),'&gt;','>') |
| **Next Action(s) Conditions** | [Get\_my\_profile\_(V2)](#37B8B899D36376A165F47C0B10803B15) [Succeeded] |

### Compose\_Flight\_or\_Hotel

|  |  |
| --- | --- |
| **Name** | Compose\_Flight\_or\_Hotel |
| **Type** | Compose |
| **Description / Note** | Expecting the subject in format "Name - Flight or Hotel details" |
| **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)) |
| **Next Action(s) Conditions** | [Check\_if\_its\_Flight](#46E1535F03E91BD3303AC48876102D36) [Succeeded] |

### 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> |
| **Next Action(s) Conditions** | [Set\_CalendarEvents](#B08C5BB1EB0CE81334BEEE5A3797ACD8) [Succeeded] |

### Create\_HTML\_table

|  |  |
| --- | --- |
| **Name** | Create\_HTML\_table |
| **Type** | Table |
| **Inputs** | |
| **from** | @variables('BodyToSend') |
| **format** | HTML |
| **Next Action(s) Conditions** | [Compose\_BodyToSend](#E77E652CB8034238CB885FEEF64C6835) [Succeeded] |

### 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') |
| **Next Action(s) Conditions** | [Empty\_Flight\_variable](#B66B3A81B5FE35A6EE612F6B9CCA19A0) [Succeeded] |

### 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') |
| **Next Action(s) Conditions** | [Apply\_to\_each](#4D9A4C16C9053D5AB79E3BCE4DF83AA0) [Succeeded] |

### 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') |
| **Next Action(s) Conditions** | [Set\_CalendarEvents\_variable](#B8AD113F6D9D5E4492A068E47FC54A7F) [Failed]  [Compose\_Weather](#703F11DB896DCE3F7368D85CB2DFE09D) [Succeeded] |

### 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') |
| **Next Action(s) Conditions** | [Send\_an\_email](#64C22A6A71D64D5411782F5C90EBD398) [Succeeded] |

### Initialize\_BodyToSend\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_BodyToSend\_variable |
| **Type** | InitializeVariable |
| **Inputs** | |
| **variables** | |  |  | | --- | --- | | name | BodyToSend | | type | Array | |
| **Next Action(s) Conditions** | [Initialize\_CalendarEvents\_variable](#48A2DD5C0B43223A4A37338B5BA3E4A3) [Succeeded] |

### Initialize\_CalendarEvents\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_CalendarEvents\_variable |
| **Type** | InitializeVariable |
| **Inputs** | |
| **variables** | |  |  | | --- | --- | | name | CalendarEvents | | type | Object | | value | |  |  | | --- | --- | | CurrentWeather |  | | EndTime |  | | Flight |  | | Hotel |  | | Location |  | | StartTime |  | | Subject |  | | |
| **Next Action(s) Conditions** | [Get\_calendar\_view\_of\_events\_(V2)](#F4B6D703BB69F7A6E85A1444FE969774) [Succeeded] |

### Initialize\_Empty\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_Empty\_variable |
| **Type** | InitializeVariable |
| **Inputs** | |
| **variables** | |  |  | | --- | --- | | name | Empty | | type | String | |
| **Next Action(s) Conditions** | [Initialize\_BodyToSend\_variable](#1C7F2EE855EE230F374699F698AF0AD3) [Succeeded] |

### Initialize\_Flight\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_Flight\_variable |
| **Type** | InitializeVariable |
| **Inputs** | |
| **variables** | |  |  | | --- | --- | | name | Flight | | type | String | |
| **Next Action(s) Conditions** | [Initialize\_Hotel\_variable](#F301273AAB078B22149701BBACAF206D) [Succeeded] |

### Initialize\_Hotel\_variable

|  |  |
| --- | --- |
| **Name** | Initialize\_Hotel\_variable |
| **Type** | InitializeVariable |
| **Inputs** | |
| **variables** | |  |  | | --- | --- | | name | Hotel | | type | String | |
| **Next Action(s) Conditions** | [Initialize\_Empty\_variable](#F0FFB1780A4481322997994477398998) [Succeeded] |

### 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') |

### 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')} | |
| **Next Action(s) Conditions** | [Append\_to\_CalendarEvents\_array\_variable](#6D1C95D9797127927BB276803F990FD5) [Succeeded] |

### 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')} | |
| **Next Action(s) Conditions** | [Append\_to\_CalendarEvents\_array](#A6DD25A052C53C7C916695FA29D00BE2) [Succeeded] |

### 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')} | |
| **Next Action(s) Conditions** | [Append\_to\_array\_variable](#791785DAA3D53C149C5128D181E58831) [Succeeded] |

### Set\_Flight\_variable

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

### Set\_Hotel\_variable

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

## Detailed Flow Diagram

The following chart shows the detailed layout of the Flow

