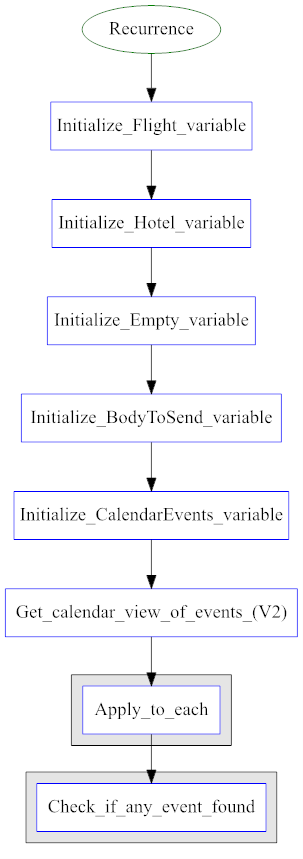
# Flow Documentation

|  |  |
| --- | --- |
| 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



## Connection References

The following connection references are used in this Flow:

### Office 365 Outlook

|  |  |
| --- | --- |
| Connector | [Office 365 Outlook](https://docs.microsoft.com/connectors/office365) |
| ID | b612ac9b883942f8bb974a9581ed70c1 |
| Source | Embedded |

### MSN Weather

|  |  |
| --- | --- |
| Connector | [MSN Weather](https://docs.microsoft.com/connectors/msnweather) |
| ID | shared-msnweather-0c1b1bed-03de-4ebb-9024-031e-c71a2cc1 |
| Source | Embedded |

### Office 365 Users

|  |  |
| --- | --- |
| Connector | [Office 365 Users](https://docs.microsoft.com/connectors/office365users) |
| ID | ecfeaa89c54a4d57b9e966f39c0b1bb8 |
| Source | Embedded |

## Trigger

|  |  |
| --- | --- |
| Name | Recurrence |
| Type | Recurrence |
| Description |  |

## Actions

The following actions are used in this Flow:

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

|  |  |
| --- | --- |
| Name | Get\_calendar\_view\_of\_events\_(V2) |
| Type | ApiConnection |
| Expression |  |
| **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 |
| Expression |  |
| **Inputs** |  |
| variables | [ { "name": "CalendarEvents", "type": "Object", "value": { "Subject": "", "StartTime": "", "EndTime": "", "Location": "", "Hotel": "", "Flight": "", "CurrentWeather": "" } } ] |

### Initialize\_BodyToSend\_variable

|  |  |
| --- | --- |
| Name | Initialize\_BodyToSend\_variable |
| Type | InitializeVariable |
| Expression |  |
| **Inputs** |  |
| variables | [ { "name": "BodyToSend", "type": "Array" } ] |

### Initialize\_Empty\_variable

|  |  |
| --- | --- |
| Name | Initialize\_Empty\_variable |
| Type | InitializeVariable |
| Expression |  |
| **Inputs** |  |
| variables | [ { "name": "Empty", "type": "String" } ] |

### Apply\_to\_each

|  |  |
| --- | --- |
| Name | Apply\_to\_each |
| Type | Foreach |
| Expression |  |

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

|  |  |
| --- | --- |
| Name | Check\_if\_location\_is\_empty |
| Type | If |
| Expression | @not(empty(items('Apply\_to\_each')?['Location'])) |

### Check\_if\_its\_Flight

|  |  |
| --- | --- |
| Name | Check\_if\_its\_Flight |
| Type | If |
| Expression | @contains(toLower(outputs('Compose\_Flight\_or\_Hotel')), 'flight') |

### Get\_current\_weather

|  |  |
| --- | --- |
| Name | Get\_current\_weather |
| Type | ApiConnection |
| Expression |  |
| **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 |
| Expression |  |
| **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 |
| Expression |  |

### Set\_CalendarEvents

|  |  |
| --- | --- |
| Name | Set\_CalendarEvents |
| Type | SetVariable |
| Expression |  |
| **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 |
| Expression |  |
| **Inputs** |  |
| name | BodyToSend |
| value | @variables('CalendarEvents') |

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

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

### Set\_CalendarEvents\_Values

|  |  |
| --- | --- |
| Name | Set\_CalendarEvents\_Values |
| Type | SetVariable |
| Expression |  |
| **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 |
| Expression |  |
| **Inputs** |  |
| name | BodyToSend |
| value | @variables('CalendarEvents') |

### Compose\_Flight\_or\_Hotel

|  |  |
| --- | --- |
| Name | Compose\_Flight\_or\_Hotel |
| Type | Compose |
| Expression |  |

### Set\_Flight\_variable

|  |  |
| --- | --- |
| Name | Set\_Flight\_variable |
| Type | SetVariable |
| Expression |  |
| **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') |

### Set\_Hotel\_variable

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

### Empty\_Flight\_variable

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

### Empty\_Hotel\_variable

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

### Initialize\_Flight\_variable

|  |  |
| --- | --- |
| Name | Initialize\_Flight\_variable |
| Type | InitializeVariable |
| Expression |  |
| **Inputs** |  |
| variables | [ { "name": "Flight", "type": "String" } ] |

### Initialize\_Hotel\_variable

|  |  |
| --- | --- |
| Name | Initialize\_Hotel\_variable |
| Type | InitializeVariable |
| Expression |  |
| **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) |

### Create\_HTML\_table

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

### Compose\_BodyToSend

|  |  |
| --- | --- |
| Name | Compose\_BodyToSend |
| Type | Compose |
| Expression |  |

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

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

## Detailed Flow Diagram

The following chart shows the detailed layout of the Flow

