Sending emails using FLOW in Classic DFFS

Microsoft has deprecated the SendEmail API and if you send emails from classic DFFS, this change means you'll need to ensure that the checkbox "Use custom list with workflow to send E-Mails" option found in the E-Mail and Print tab is checked, and that you have set up the necessary FLOW to send the email.

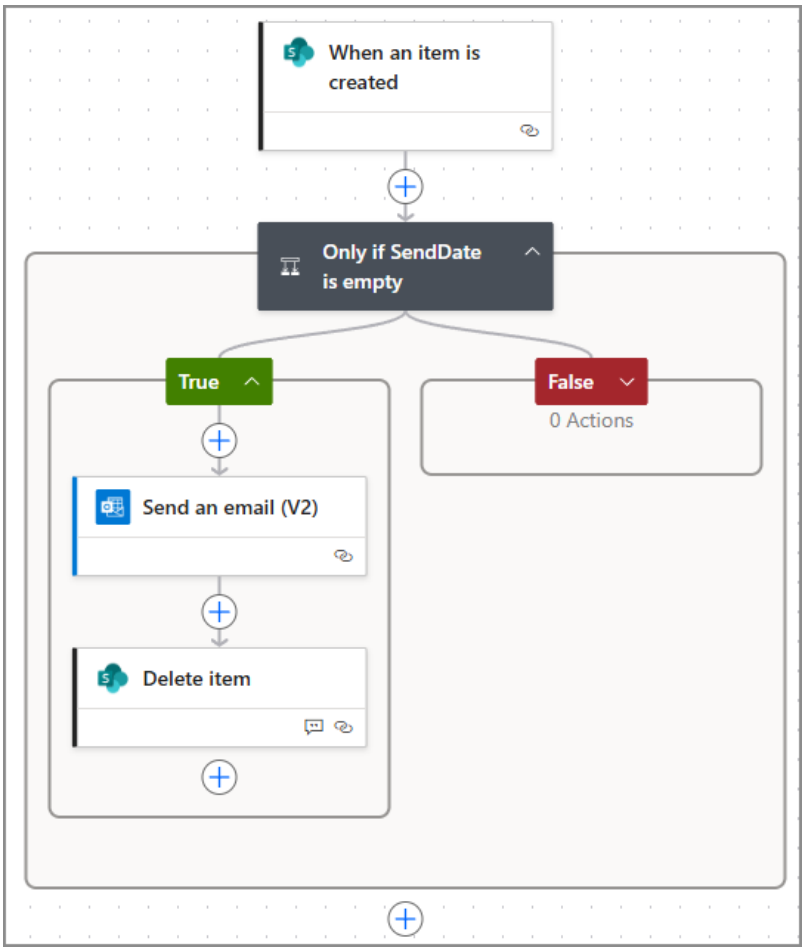
When you first select this option in a site, a new custom list named ***DFFS_Email*** will appear in ***Site contents***. All emails will be added to this list and need to be picked up by the FLOW and sent.

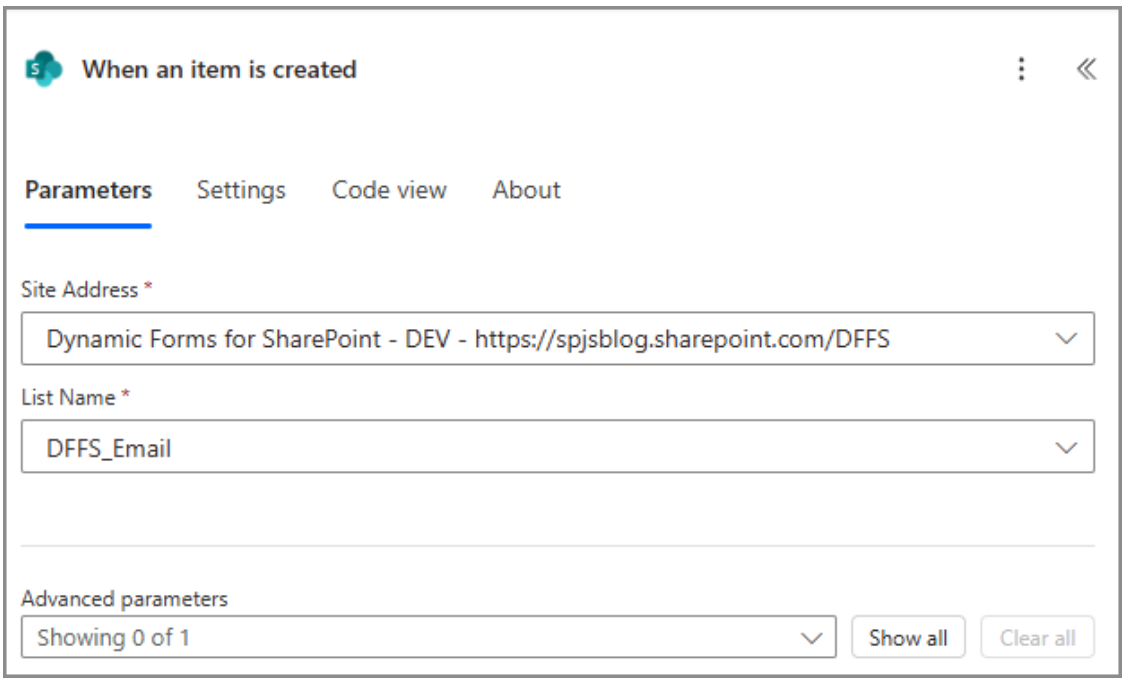
The example will show two examples, one for ***Send now*** (when SendDate is empty) and one for ***Send later*** (when SendDate contains a date).

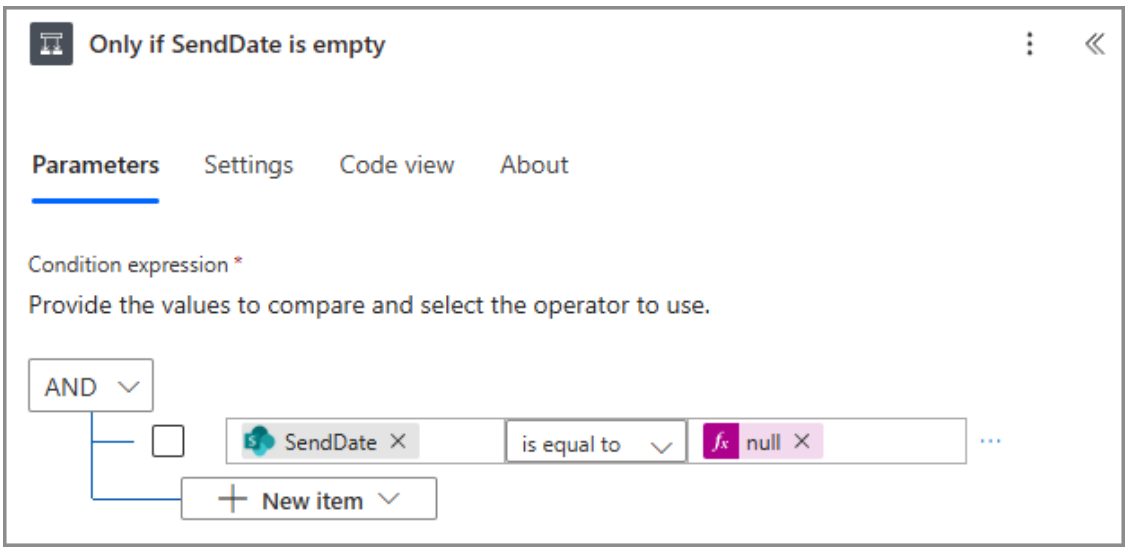
FLOW configuration for Send now

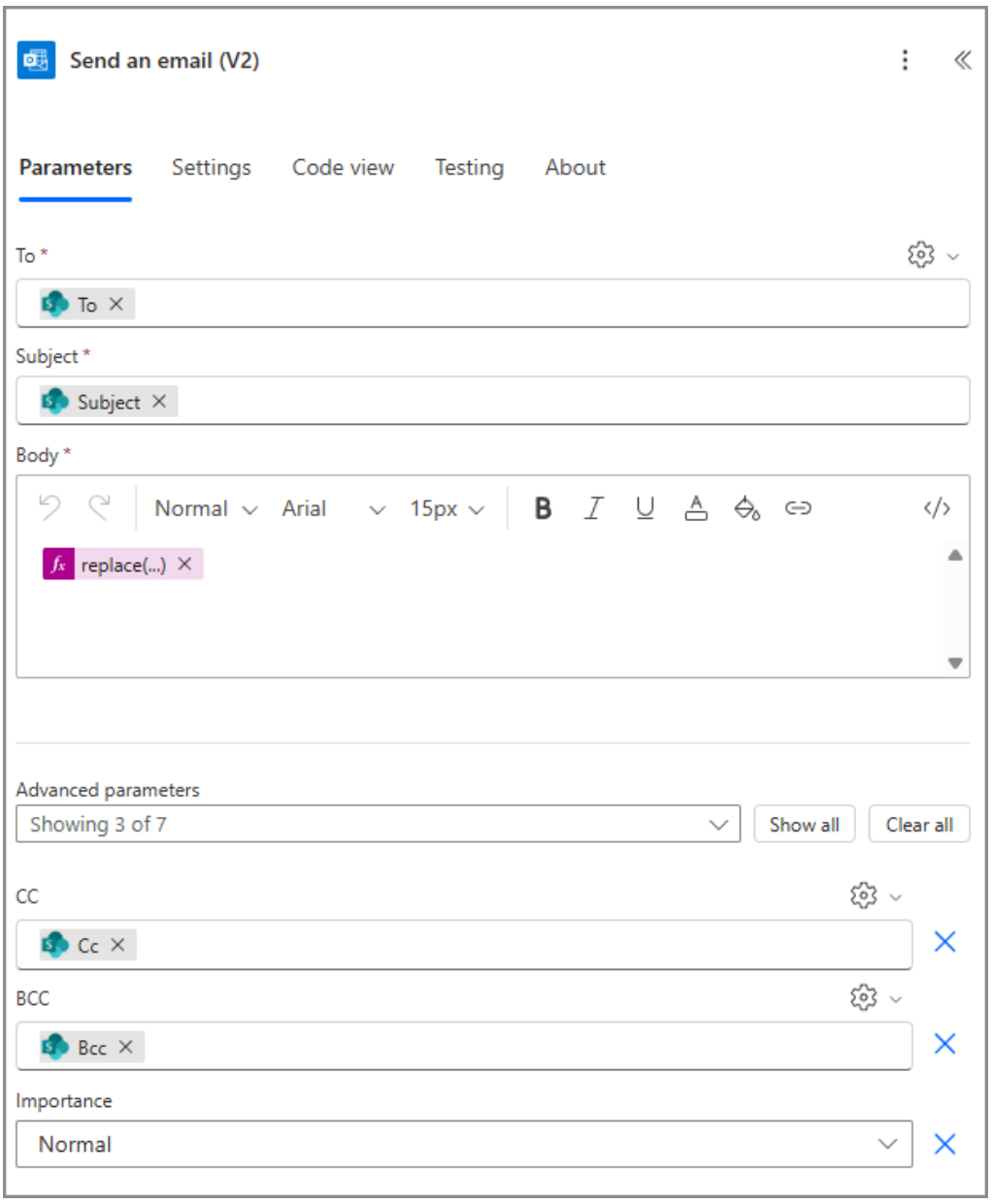
This FLOW is an ***Automated cloud flow*** that is set to trigger when a new item is added to the ***DFFS_Email*** list.

Here are screenshots of all the steps in this FLOW.



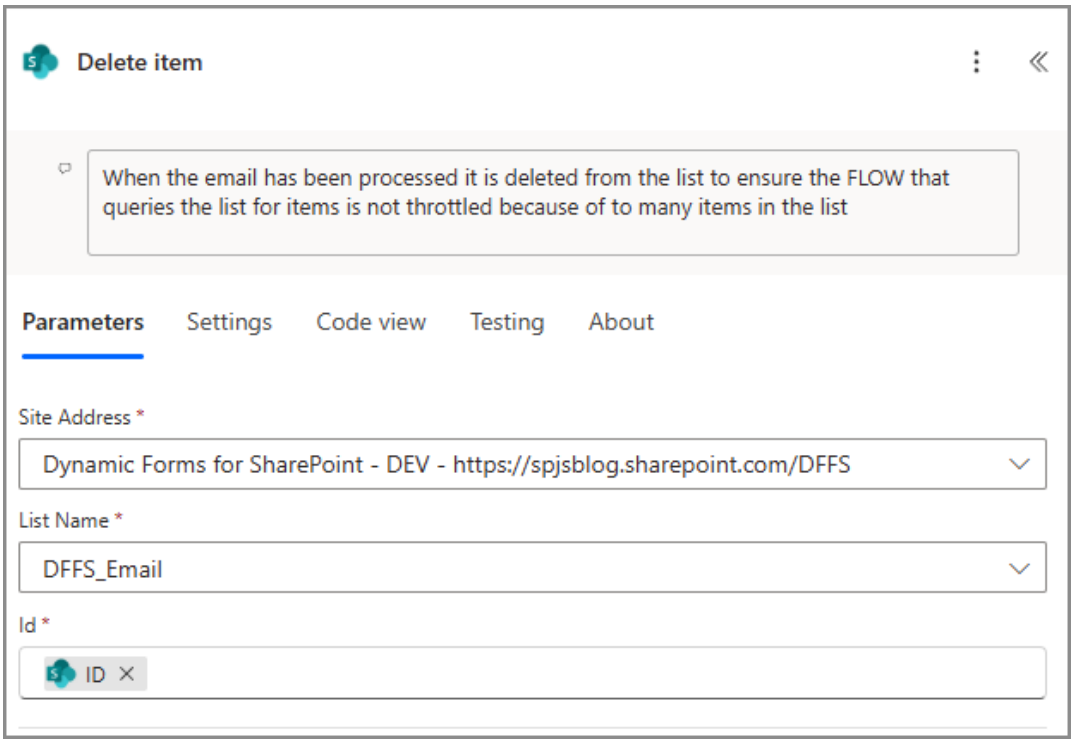

When an item is created
Parameters
Settings
Code view
About
Site Address *
Dynamic Forms for SharePoint - DEV - https://spjsblog.sharepoint.com/DFFS
List Name *
DFFS_Email
Advanced parameters
Showing 0 of 1
Show all
Clear all


Only if SendDate is empty
Parameters
Settings
Code view
About
Condition expression *
Provide the values to compare and select the operator to use.
AND
SendDate
is equal to
null
New item



To replace linefeed in Body with <br> you must insert this snippet by clicking the fx button:

```
replace(triggerBody()?['Body'],decodeUriComponent('%0A'), '<br>')
```

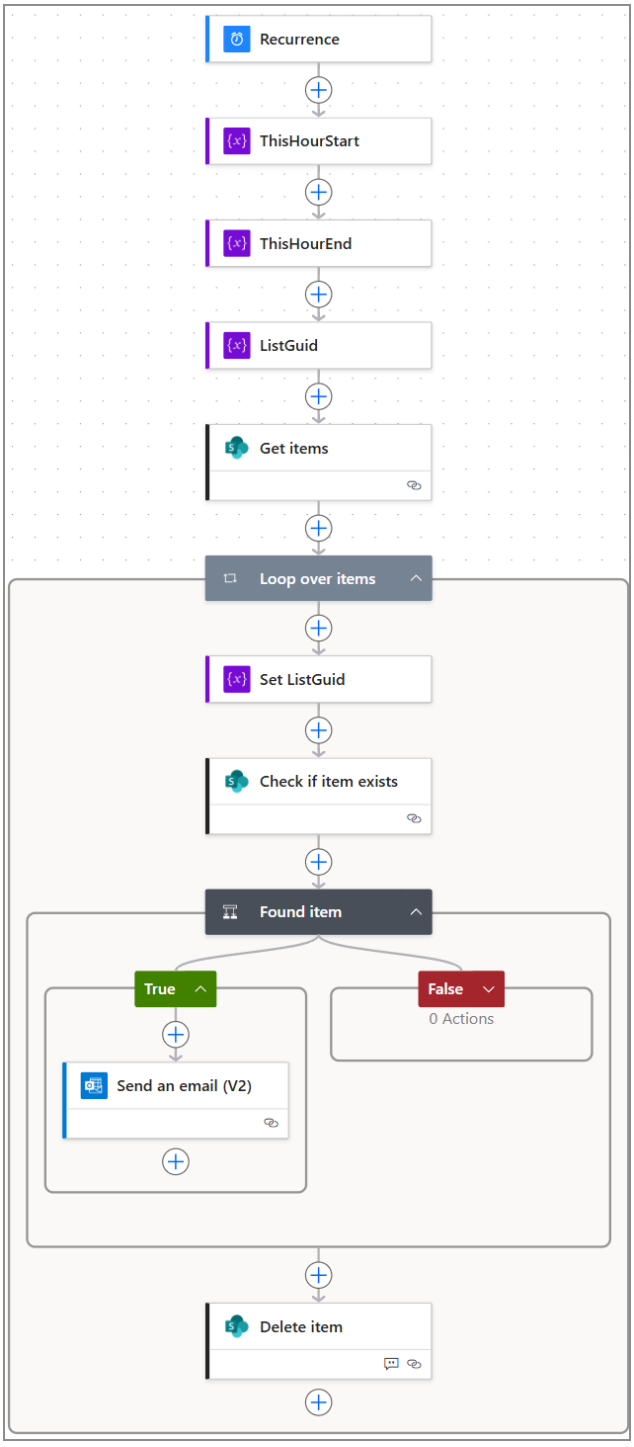

Delete item
When the email has been processed it is deleted from the list to ensure the FLOW that queries the list for items is not throttled because of to many items in the list
Parameters
Settings
Code view
Testing
About
Site Address *
Dynamic Forms for SharePoint - DEV - https://spjsblog.sharepoint.com/DFFS
List Name *
DFFS_Email
Id *
ID

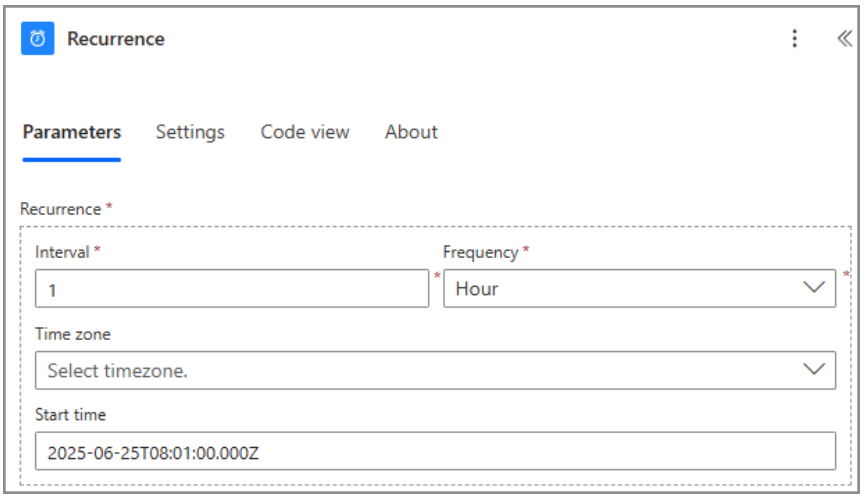
FLOW configuration for Send later

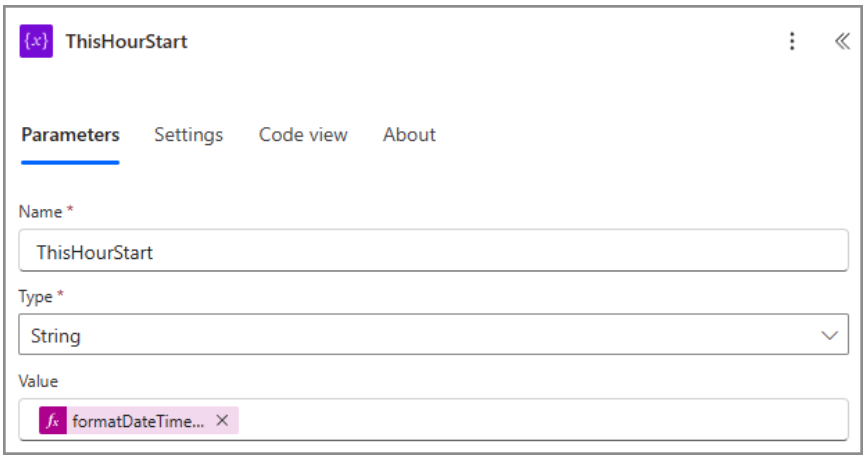
This FLOW is a ***Scheduled cloud flow*** that is set to run every hour, looking for items in the ***DFFS_Email*** list where the SendDate and time (hour) match the current time.

Please note that it uses UTC time so the email Send date field must use UTC time.

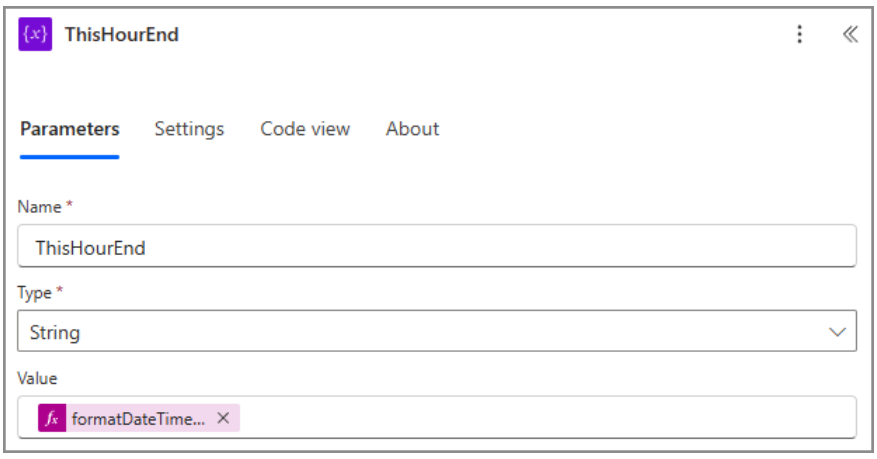
Here are screenshots of all the steps in this FLOW.





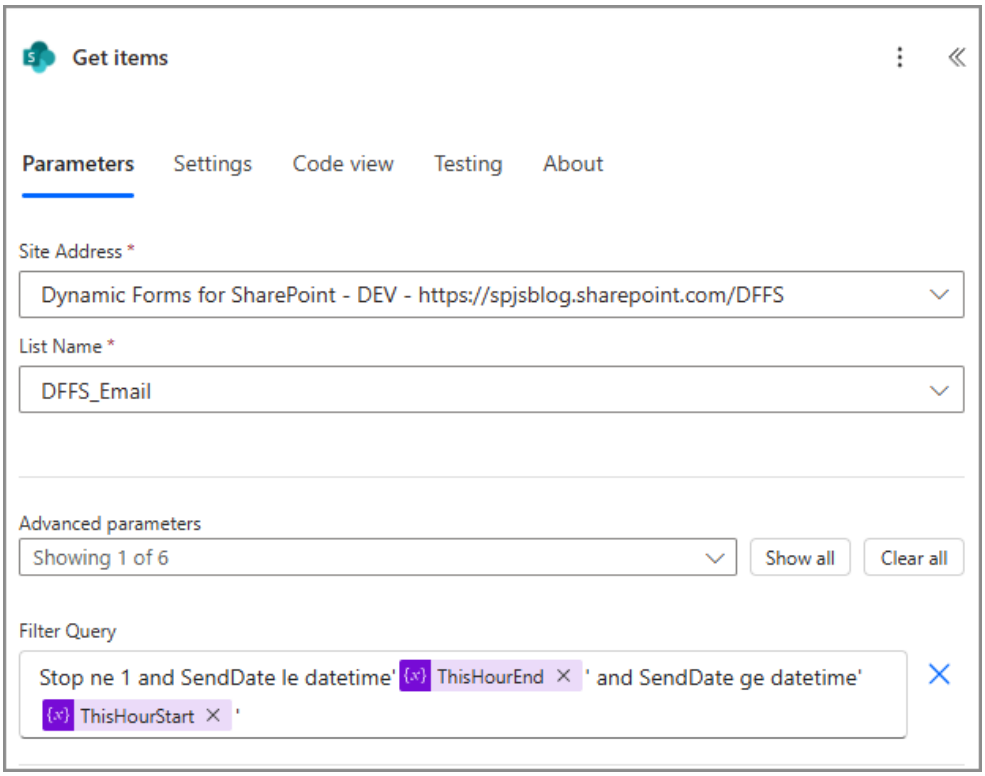


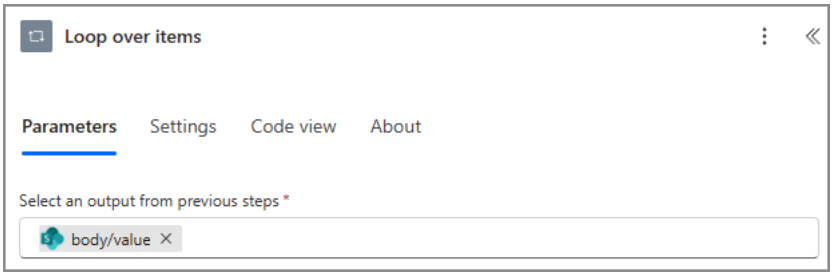
fx: formatDateTime(utcNow(),'yyyy-MM-ddTHH:00:00')



fx: formatDateTime(utcNow(),'yyyy-MM-ddTHH:59:59')


ListGuid
Parameters
Settings
Code view
About
Name *
ListGuid
Type *
String
Value


Get items
Parameters
Settings
Code view
Testing
About
Site Address *
Dynamic Forms for SharePoint - DEV - https://spjsblog.sharepoint.com/DFFS
List Name *
DFFS_Email
Advanced parameters
Showing 1 of 6
Show all
Clear all
Filter Query
Stop ne 1 and SendDate le datetime'
ThisHourEnd
' and SendDate ge datetime'
ThisHourStart
'


Loop over items
Parameters
Settings
Code view
About
Select an output from previous steps *
body/value



fx: split(items('Loop_over_items')?['Title'],'|')[2]

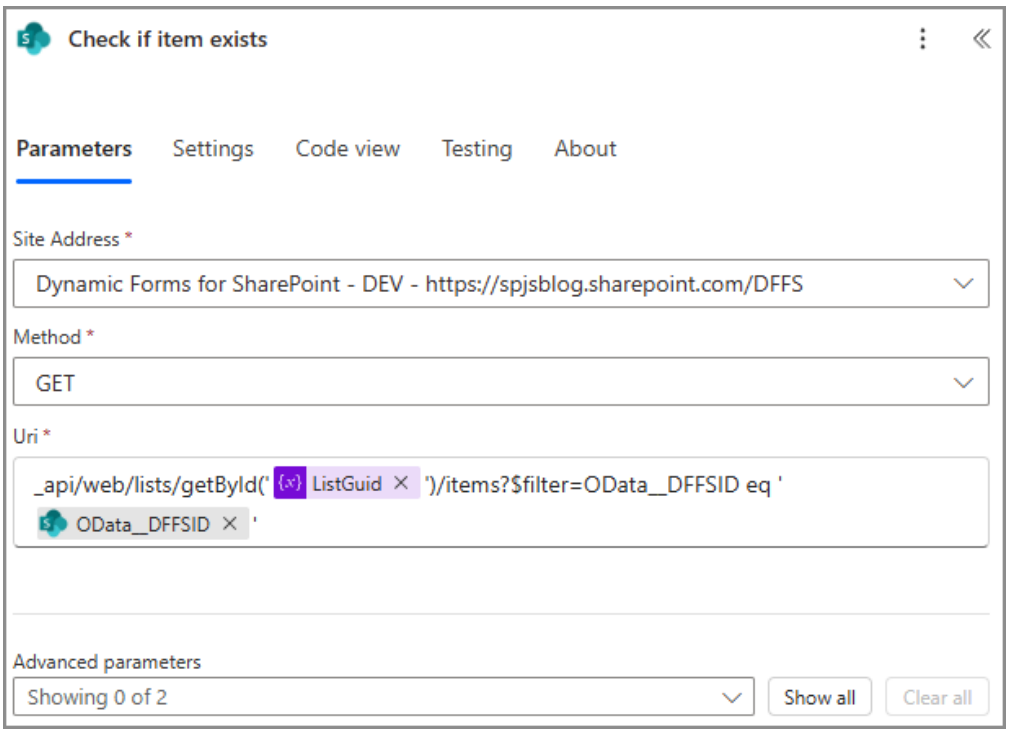
The ***Check if item exists*** is used to ensure that the parent item has not been deleted after this email was scheduled. It uses the action ***Send an HTTP request to SharePoint***.

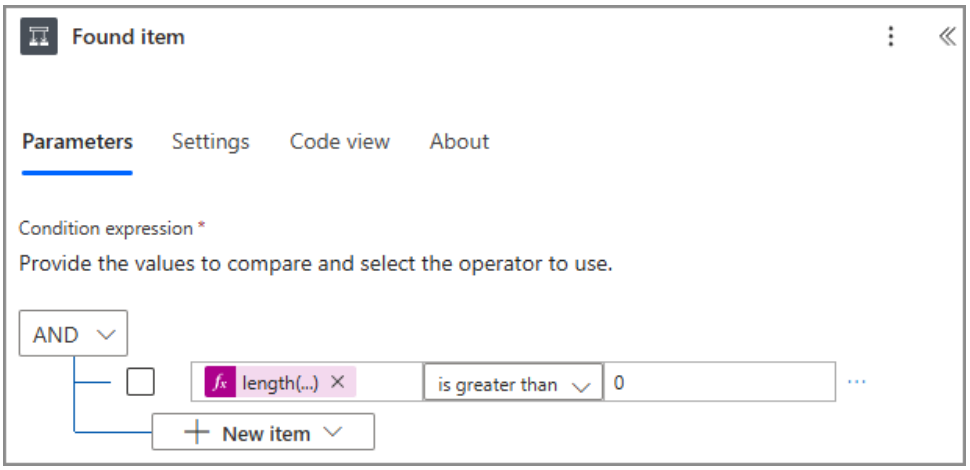
The parameter ListGuid must be inserted using fx like this:

```
variables('ListGuid')
```

The parameter OData__DFFSID must be inserted using fx like this:

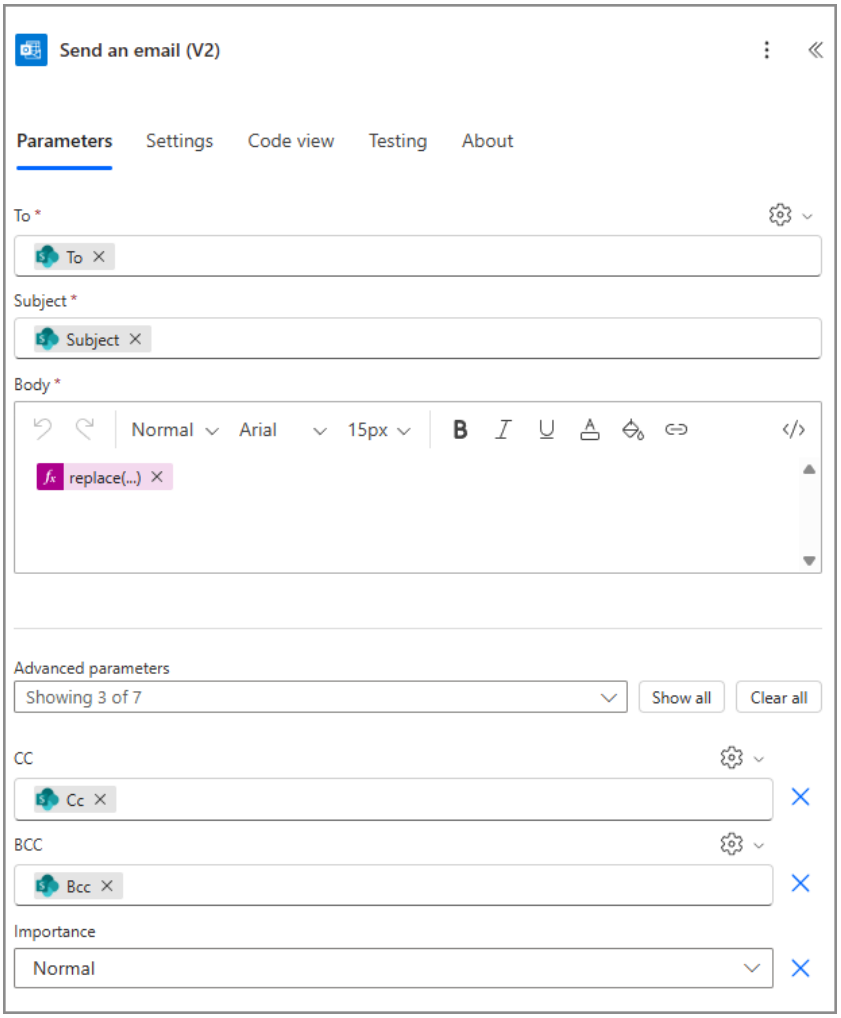
```
items('Loop_over_items')?['OData__DFFSID']
```





The condition must be written using fx like this:

```
length(body('Check_if_item_exists').d.results)
```



To replace linefeed in Body with <br> you must insert this snippet by clicking the fx button:
replace(item()?['Body'],decodeUriComponent('%0A'), '<br>')

