

Wunderlist - Logic App

Objective & Audience

This lab gives you a hands-on experience for [Azure Logic Apps](#). You'll be adding a task in [Wunderlist](#) - a nice task manager - and your logic app will put a reminder in your calendar at the due date and will send you the details via email as well.

What you need

1. A modern web browser - all tasks can be performed there
2. Access to [Microsoft Azure](#) and the ability to provision resources there
3. [Google Account](#) - for email and calendar
4. A free account at [Wunderlist](#) - a great task manager for you and your team

1 - Create Accounts

Make sure you can access the Azure portal at <http://portal.azure.com>, then create a Gmail account if you don't have one or prefer not to use your personal one.

Head over to [Wunderlist](#) and create a free account, they also offer a mobile app for IOS and Android to make task management easy!

2 - Create Logic App

In the [Azure Portal](#) click on the + button and click 'Logic App' from the 'Web + Mobile' section.

+

Search the marketplace

MARKETPLACE

See all

Compute

>

Networking

>

Storage

>

Web + Mobile

>

Databases

>

Intelligence + analytics

>

Internet of Things

>

Enterprise Integration

>

FEATURED APPS

See all

Web App

Enjoy secure and flexible development, deployment, and scaling options for your web app.

Mobile App

A scalable and secure backend that can be used to power apps on any platform – iOS, Android, Windows or

Logic App

Automate the access and use of data across clouds without writing code

Name the logicapp `wunderlist` and put it in a new resource group with the same name `wunderlist` in a region of your choice.

Create logic app

Logic App

* Name

wunderlist

✓

* Subscription

Microsoft Azure Internal Consumption

▼

* Resource group ⓘ

☒ Create new

☐ Use existing

wunderlist

✓

Location

Southeast Asia

▼

i

You can add triggers and actions to your Logic App after creation.

☐ Pin to dashboard



Create

Automation options

Click 'Create' and wait until the deployment has succeeded.

Notifications

Dismiss: [Informational](#) [Completed](#) [All](#)

 **Deployments succeeded** 

Deployment to resource group 'wunderlist' was successful.


Locate your `wunderlist` logic app in the Azure resources or open it by clicking on the "deployment successful" message. The Logic App Editor opens, scroll down and select "Blank Logic App" to start with an empty canvas.


Logic Apps Designer


Templates

Choose a template below to create your Logic App.

Category : Sort by :

Blank Logic App



HTTP Request-Response


Peek-lock receive a Service Bus message and complete it

Explore the connectors and triggers in the list, we're looking for `Wunderlist->When a task is created` .

Logic Apps Designer

Save Discard Run Designer Code view Templates Available APIs Help

🔍 wunderlist

SERVICES

SEE MORE



Wunderlist

TRIGGERS (3)

ACTIONS (28)

SEE MORE



Wunderlist

When a new task is created



Wunderlist

When a reminder occurs



Wunderlist

When a task is due



When you click on that, you're prompted to create a connection to Wunderlist. A popup should open and - assuming you're already logged in into Wunderlist with your browser - it should be a very quick and easy task to complete.

Logic Apps Designer

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Wunderlist - When a new task is created



Sign in to create a connection to Wunderlist.

Sign in

Now you will set the parameters for the task, select `inbox` as the task list, and set the `How often do you want to check for items?` to 10 seconds. This will be the frequency of your workflow.

Logic Apps Designer

Save Discard Run Designer Code view Templates Available APIs Help

★ When a new task is created

*List ID

List ID

inbox

Work

Enter custom value

How often do you want to check for items?

*Frequency

Second

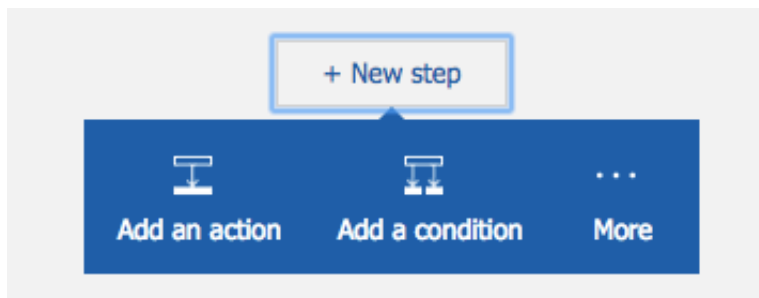
*Interval

10

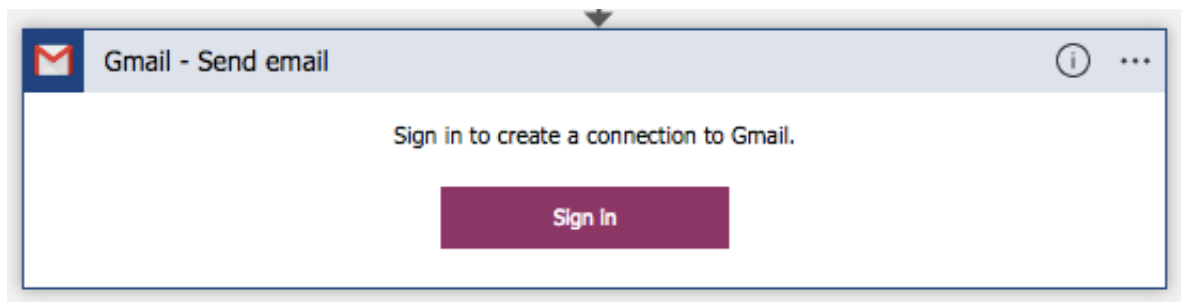
Connected to ulhitzel@microsoft.com. [Change connection.](#)

+ New step

That was good - let's add another action! Look for `Gmail - Send email`, we want to email the details from the Wunderlist task to you.



You'll have to create a connection to Google so your logic app can use to the service:



In the popup please `Allow` access so we can continue the exercise.



▼ Azure AppService Logic Apps would like to:



Have offline access



Deny

Allow

Now we can populate the fields for the `Send_email` action, you will see that there are many of them - at this time we only work with `To:` and `Subject:`. You will see that when you click inside one of the fields you are able to select data elements from the previous action. Fill out both fields so they look like the exmple here, and use an email address that you have access to.

Logic Apps Designer

Save Discard Run Designer Code view Templates Available APIs Help

The screenshot shows the 'Send email (Preview)' action in the Logic Apps Designer. The configuration fields are as follows:

- To:** demouser@gmail.com
- Subject:** Task [Task] Title [X] was created at [Created At] by [Created By] [X]
- Insert parameters from previous steps:**
 - When a new task is created
 - Assignable ID, Assigner ID, Created At, Created By, Due Date, List ID, Revision, Starred, Task ID, Title
 - See less
- Body:** Email body
- Attachments Name:** Attachment name
- Attachments ContentBytes:** Attachment content
- Attachments ContentType:** Attachment content type

As a last step we would like to add a calendar entry in Google Calendar exactly on the day of the due date of the task. Add a new action and look for `Google Calendar->Create an event`, you'll have to connect the service to your logic app:

The screenshot shows the 'Google Calendar - Create an event' action in the Logic Apps Designer. The configuration is as follows:

- Calendar ID:** (Empty field)
- start:** (Empty field)
- end:** (Empty field)
- summary:** (Empty field)
- Sign in to create a connection to Google Calendar.** (Text)
- Sign in** (Button)

Select the correct calendar from the drop-down list once you click inside the `Calendar ID` field, then populate the `start`, `end` and `summary` fields as shown below. `Due Date` from the `Wunderlist` action is just a calendar date like 2017-05-11, Google Calendar, however, expects a full timestamp so we're adding a time as well.

Save the flow, now let's go test it.

31

Create an event (Preview)

*Calendar ID

demouser@gmail.com

*start

Due Date

T11:00:00.2022

*end

Due Date

T12:00:00.2022

summary

Title

Insert parameters from previous steps

Send email

Body

When a new task is created

Assigner ID

Created At

Created By

Due Date

List ID

Revision

Starred

Task ID

Title

See more

description

Description of the event

location

Geographic location of the event as free-form text

3. Test your flow

Go to the main page of your `wunderlist` logic app, you should see that the flow is checking every 10 seconds if there's something to do. We have not created a task yet, so the run history should only show `skipped` runs.

The screenshot shows the 'wunderlist' Logic app in the Azure portal. The left sidebar contains navigation options: Overview (selected), Activity log, Access control (IAM), Tags, and a section for DEVELOPMENT TOOLS including Logic App Designer, Logic App Code View, Versions, API Connections, and Quick Start Guides. Below these are SETTINGS for Integration account and Access control configuration.

The main area is divided into two columns. The left column, under the 'Essentials' tab, displays metadata: Resource group (wunderlist), Location (Southeast Asia), Subscription (Microsoft Azure Internal Consumption), and Subscription ID (0eefb17d-0bea-4532-beca-421e86602391). The right column shows the Definition (0 triggers, 0 actions), Status (Enabled), and Plan (Consumption).

Below the Essentials section are two tables. The 'Runs history' table has columns for STATUS, START, IDENTIFIER, and DURATION, and currently shows 'No runs'. The 'Trigger History' table has columns for STATUS, START, and FIRED, and shows four entries, all with a status of 'Skipped' and a start time of '23/04...'.

Open a new tab and go to the `inbox` of [Wunderlist](#), type something into the field but **do not press ENTER yet**. Click on the calendar symbol and choose a due date, probably a day next week. Click inside the task field and hit ENTER, the task will now be saved.

The screenshot shows the 'Inbox' view of the Wunderlist application. At the top, there's a header with 'Inbox', a 'Share' button, a 'Sort' button, and a 'More' menu. Below the header, a task titled 'demo task 1' is visible. To the left of the task is a microphone icon and a 'SHOW COMPLETED TO-DOS' button. To the right of the task are icons for a calendar and a star. A calendar overlay is open, showing the month of April 2017. The calendar has columns for days of the week (SUN to SAT) and rows for dates. The date '26' is highlighted, indicating it has been selected as the due date.

Shortly after that you should find a new email in the [Gmail](#) inbox and a [calendar](#) entry that looks like the following:



Go to the main page of your `wunderlist` logic app, look at the run history, you should see a successful run:

Runs history

All	Start time..	Pick a date	Pick a time
Specify the run identifier to open monitor view directly			
STATUS	START TL...	IDENTIFIER	DURATION
✓ Succ...	23/04/2..	08587086503159455883154269608	1.39 Seconds

Trigger History

All

Start time...

Pick a date

Pick a time

When_a_new_task_is_created

STATUS	START TL...	FIRED
✓ Succeed...	23/04/2..	Fired
✓ Succeed...	23/04/2..	

Examine the Run Details of the flow to see what actions were performed and the responses from the respective services.

Logic app run

08587086503159455883154269608

Run Details

Resubmit

Cancel Run

When a new task is created

0s

Send email

1s

INPUTS

Show raw inputs >

To

demouser@gmail.com

Subject

Task demo task 1 was created at 2017-04-23T14:09:14.712Z by 56019690

OUTPUTS

Show raw outputs >

Headers

```
{
  "Pragma": "no-cache",
  "x-ms-request-id": "35007cae-d168-4aed-ab77-85e3421b1006",
  "Timing-Allow-Origin": "*",
  "Content-Type": "application/json"
}
```

Congratulations, you've completed the exercise!

4. Clean up

In the main flow window, disable the flow so it doesn't consume your resources. You might also choose to delete it.

wunderlist

Logic app

Search (Ctrl+J)

Overview

Activity log

Access control (IAM)

Tags

DEVELOPMENT TOOLS

Run Trigger

Refresh

Edit

Delete

Disable

Update Schema

Clone

Essentials

Resource group (change)

wunderlist

Location

Southeast Asia

Subscription (change)

Microsoft Azure Internal Consumption

Subscription ID

0eefb17d-0bea-4532-beca-421e86602391

Definition

1 trigger, 2 actions

Status

Enabled

Runs last 24 hours

1 successful, 0 failed

Integration Account

Plan

Consumption

Authors & History

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