Microsoft Office Add-ins

Community call

- Community engagement update
- Word update
- Outlook (REST decommission, Shared Folders support, Item multiselect)
- SSO samples update

July 13, 2022

Agenda

- Community engagement update
- Word update
- Outlook Add-ins Update (REST decommission, Shared Folders support, Item multiselect)
- SSO samples update

Linda Cannon
Senior Content Product Manager

Yun Wang
Principal Product Manager

Juan Balmori
Principal Product Manager

Victoria Iannotti
Software Engineer

David Chesnut
Senior Technical Writer

Community engagement update

Linda Cannon: Senior Content Product Manager

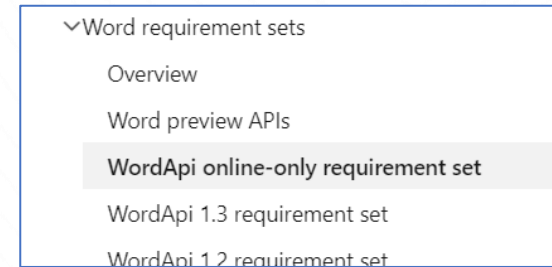# Word update

Yun Wang: Principal Product Manager

Word JavaScript API online-only requirement set

Online-only is a special requirement set
- Includes features that are only available for Word on the web
- Considered to be production APIs for the Word on the web application
- Delivered faster for APIs
  - Your Add-in can firstly support Word online, too!
- Considered to be "preview" APIs for other platforms (Windows, Mac, etc.)
  - The goal is to keep all the platforms with the same APIs
  - Exceptions can happen

Online-only: Three feature areas are available
- Newly added: Footnotes and endnotes support
- Go to Office Add-ins community call – February 9, 2022 (pnp.github.io) for additional information about Comments and Track changes

```
˅ Word requirement sets
    Overview
    Word preview APIs
    WordApi online-only requirement set
    WordApi 1.3 requirement set
    WordApi 1.2 requirement set
```

```JavaScript
if (Office.context.requirements.isSetSupported("WordApiOnline", "1.1")) {
    // Any API exclusive to the WordApiOnline requirement set.
}
```

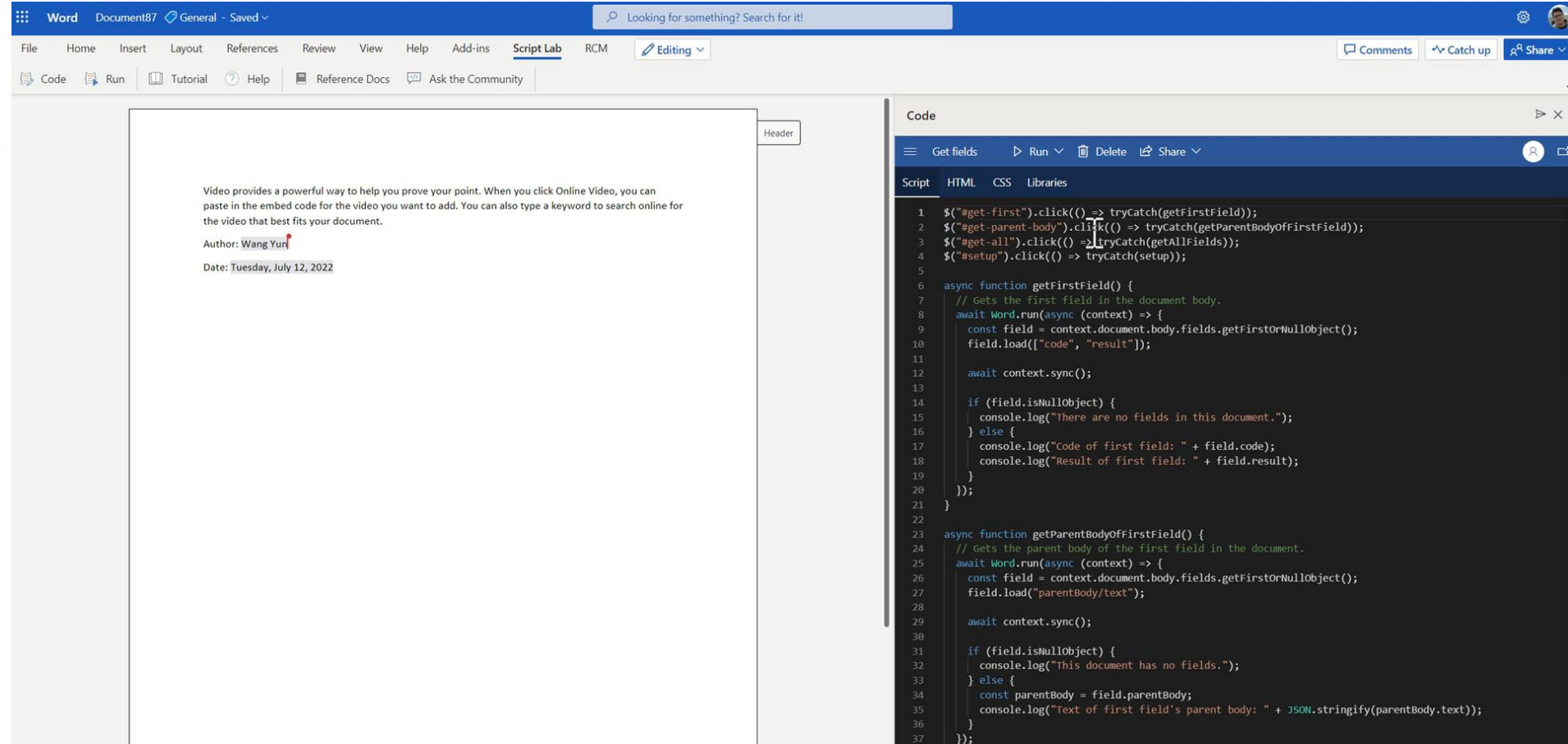| Feature area	Description	Relevant objects
Comments	Manage comments and replies.	Comment, CommentCollection, CommentContentRange, CommentReply, CommentReplyCollection
Footnotes and endnotes	Manage footnotes and endnotes.	NoteItem, NoteItemCollection
Track changes	Manage settings for reviewing changes.	Document.ChangeTrackingMode

In Online-only: Footnotes and Endnotes APIs

- Insert footnotes/endnotes via Range object

- Get collections of footnotes/endnotes via Body, ContentControl, Paragraph, Range, Table and TableRow objects

- Navigate and operate footnotes/endnotes via NoteItemCollection and NoteItem objects
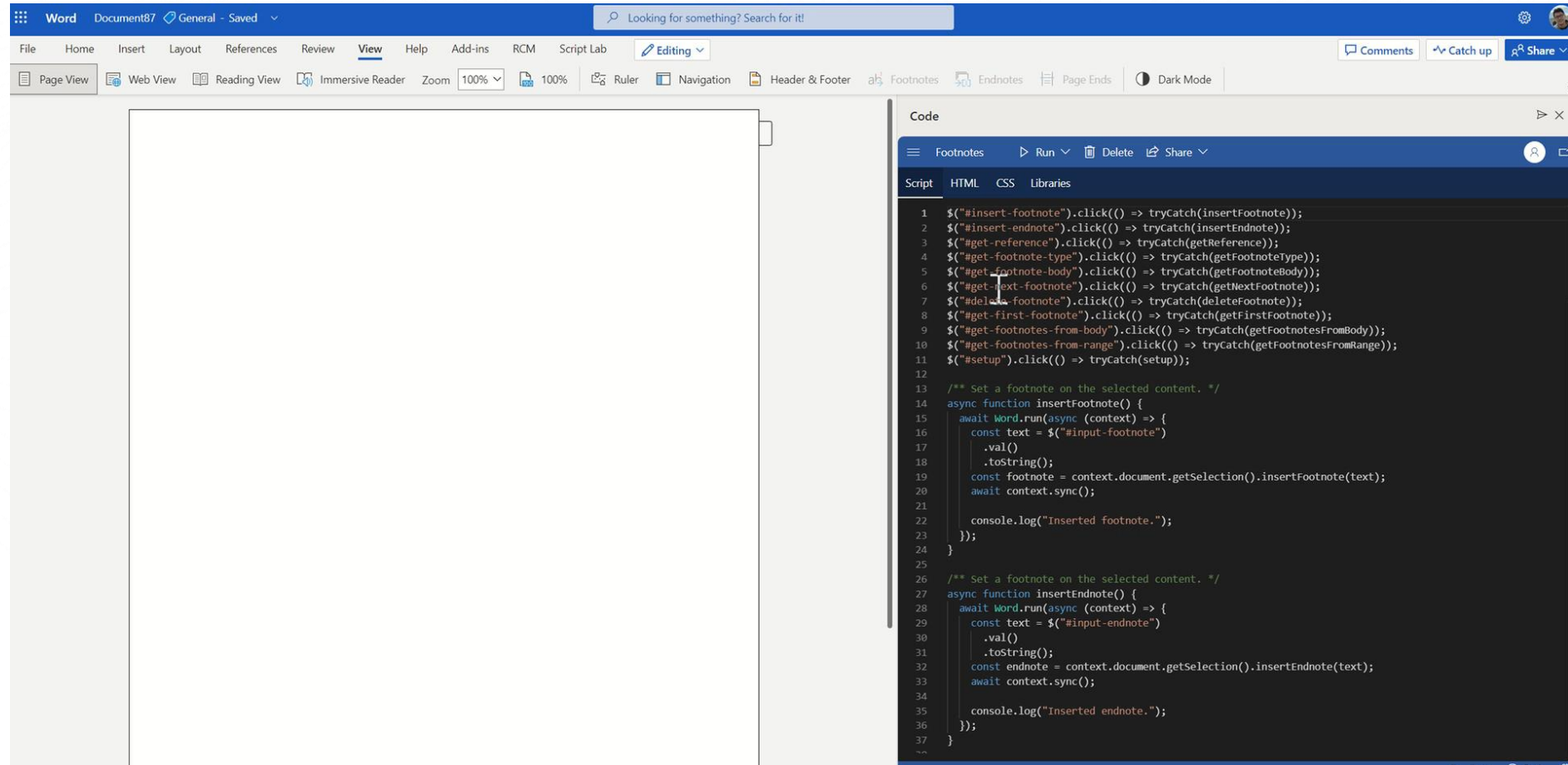
In Web-only Preview: Fields APIs

- Get collections of fields via Body, Paragraph, Range, Table and TableRow objects

- Navigate fields via FieldCollection and Field objects

Coming next

Candidates for next GA release (all platforms support)

- Track changes
- Comments
- Fields (only get APIs)
- Bookmarks
- CustomXmlPart
- Setting

Tell us what do you expect.

Outlook Add-ins Update!

Juan Balmori: Principal Product Manager
Victoria Iannotti: Software Engineer

Outlook Add-ins news

- REST Decommission Update
- Support for Shared Folders, Delegates and Shared Mailbox in Exchange OnPrem!
- Support for Item Multiselect!

Some Context: Back in February we shared:

- **On Nov 30th, 2022, the Outlook REST V2 Endpoint will be decommissioned.**
  - Impacts Exchange Online, and Exchange OnPrem on Hybrid.
- **Scenarios impacted**
  - Using the REST APIs
  - Delegate Scenarios using REST

```javascript
function createAppointment() {
  Office.context.mailbox.getCallbackTokenAsync({ isRest: true }, function(result) {
    var token = result.value;
    var getMessageUrl = Office.context.mailbox.restUrl + "/v2.0/me/events";

    var xhr = new XMLHttpRequest();
    xhr.open("POST", getMessageUrl);
    xhr.setRequestHeader("Authorization", "Bearer " + token);
    xhr.setRequestHeader("Content-Type", "application/json");

    xhr.onload = function(e) {
      var ewsID = JSON.parse(this.response).Id;
      console.log(ewsID);
      Office.context.mailbox.displayAppointmentForm(ewsID);
    };
    xhr.send(
      '{"Subject":"THis is a Test32!","Start":{"DateTime":"2021-04-
03T18:30","TimeZone":"UTC"},"End":{"DateTime":"2020-08-12T19:30","TimeZone":"UTC"}}'
    );
  });
}
```

Summary of APIs Impacted

API [Requirement Set]	Scenario	Impact for New Add-ins after decommission date
Mailbox.getCallBackTokenAsync with isRest option. [1.5]	Gets a REST compatible token	Call will fail • Use Graph as alternative. (SSO and get Graph compatible token) • Use EWS if Graph fails.
Mailbox.restUrl [1.5]	Property used to create the url portion of the REST expression.	
Office.MailboxEnums.RestVersion [1.3]	Enum used on the convert id methods.	Will become deprecated.
mailbox.convertToRestId() [1.3]	Converts an EWS formatted Id into the proper [for the rest version] REST id.	Might still be useful for Graph
Mailbox.convertToEwsId() [1.3]	Converts an REST formatted id [for a specific REST version] into EWS	Might still be useful for Graph
SharedProperties.targetRestUrl [1.8]	Used to perform operations as delegate.	Use Graph as alternative Use EWS if Graph fails.

Where we are?

1. Good news: all active Add-ins using REST will be granted exceptions to keep using the service until Office 2019 goes out of support (October 14,2025)

2. Add-ins created after the decommissioned date will not be able to use the REST service after November 2022.(*)

3. They need to use the graph instead.

4. We will automatically ID traffic coming from Add-ins but we are also enabling an allow list:
https://aka.ms/RESTCheck

(*) This might change

Issues

- **Performance Issues (REST faster than Graph in some cases)**

- **Authentication issues.**
  - Latency of using a Middle tier for route Graph Calls.
  - Mobile not Supporting SSO (Identify 1.3) -> Requires MSAL AuthRedirect flow.

- **Graph API Gaps? Not detected so far.**

- **If you are experiencing ANY of this (or other issues) please contact me ASAP: juanbl@microsoft.com**

Shared Folders in On Exchange OnPrem: in beta! (win32 16.0.15505.20000)

- Context: Shared Folders (delegates), Shared Mailbox shipped back in Mailbox 1.8 supported only in Exchange Online
- Available in Beta NOW!
  - Commands should be visible
  - SharedProperties APIs should work (except REST in non hybrid)
- Call to Action: Help us validate it works as you expect. Send an issue to https://github.com/OfficeDev/office-js/issues/

```xml
<Host xsi:type="MailHost">
  <DesktopFormFactor>
    <SupportsSharedFolders>true</SupportsSharedFolders>
    <FunctionFile resid="residDesktopFuncUrl" />
    <ExtensionPoint xsi:type="MessageReadCommandSurface">
      <!-- configure selected extension point -->
    </ExtensionPoint>

    <!-- You can define more than one ExtensionPoint element as needed -->

  </DesktopFormFactor>
</Host>
```

Item Multiselect: <mark>This</mark> is coming soon....

```xml
<ExtensionPoint xsi:type="MessageComposeCommandSurface">
    <OfficeTab id="TabDefaultCompose">
        <Group id="msgcomposeTabMessage.grp1">
            <Label resid="ss_app_name" />
                <Control xsi:type="Button" id="tp_mc_btn0">
                    <Label resid="ss_tp_btn0" />
                    <Supertip>
                        <Title resid="ss_tp_btn0" />
                        <Description resid="ls_tp_btn0" />
                    </Supertip>
                    <Icon>
                        <bt:Image size="16" resid="img_tp0" />
                        <bt:Image size="32" resid="img_tp0" />
                        <bt:Image size="80" resid="img_tp0" />
                    </Icon>
                    <Action xsi:type="ShowTaskpane">
                        <SourceLocation resid="url_src_loc" />
                        <SupportsPinning>true</SupportsPinning>
                        <SupportsMultiSelect>true</SupportsMultiSelect>
                    </Action>
                </Control>


        </Group>
    </OfficeTab>
</ExtensionPoint>
```

Microsoft

Demo Item Multi-Select

Victoria Iannotti - Software Engineer

SSO samples update

David Chesnut: Senior Technical Writer

Demo: Hello World in SSO

SSO with OBO (successful flow)
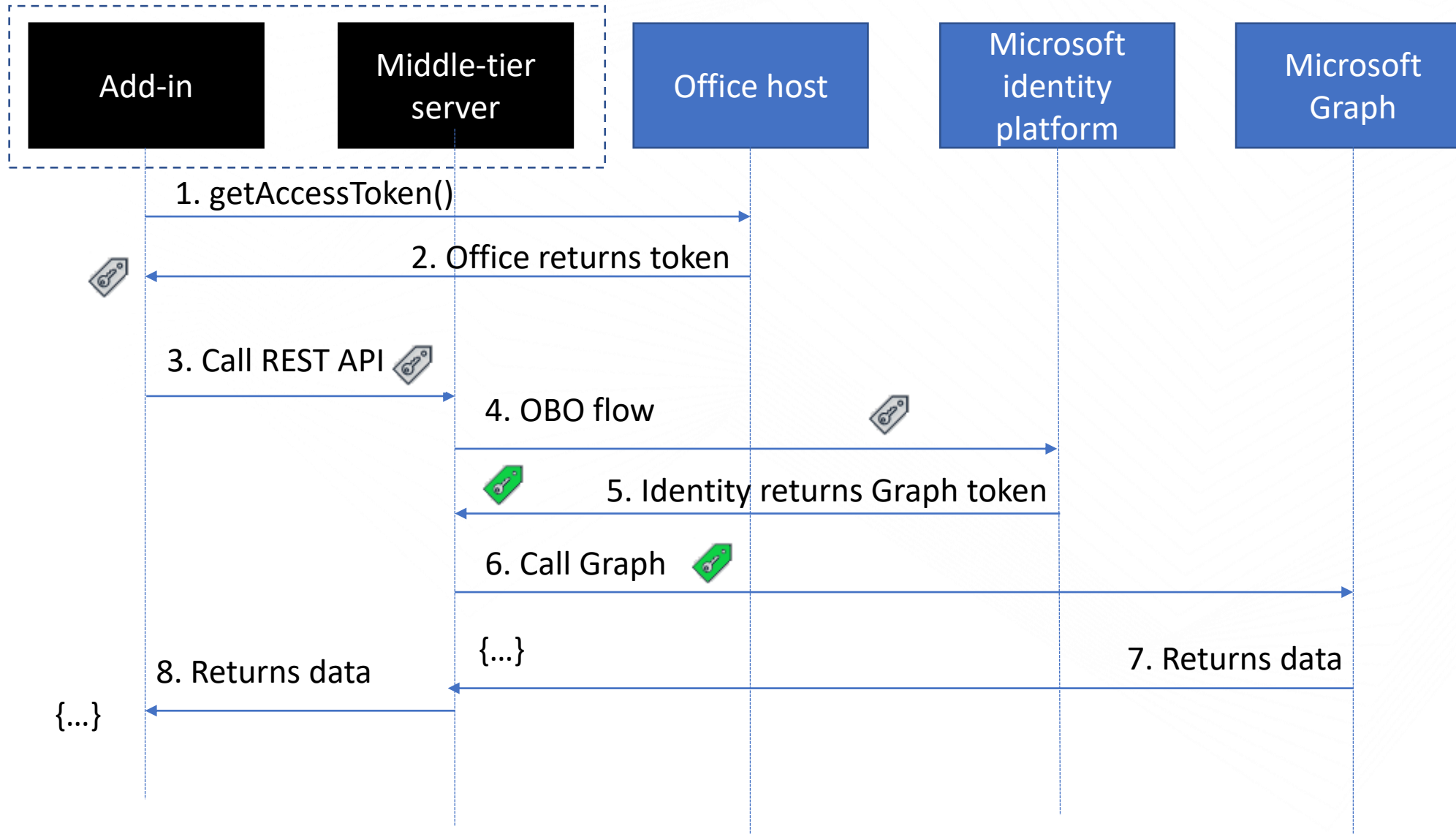
SSO fails and must use MSAL (fallback flow)
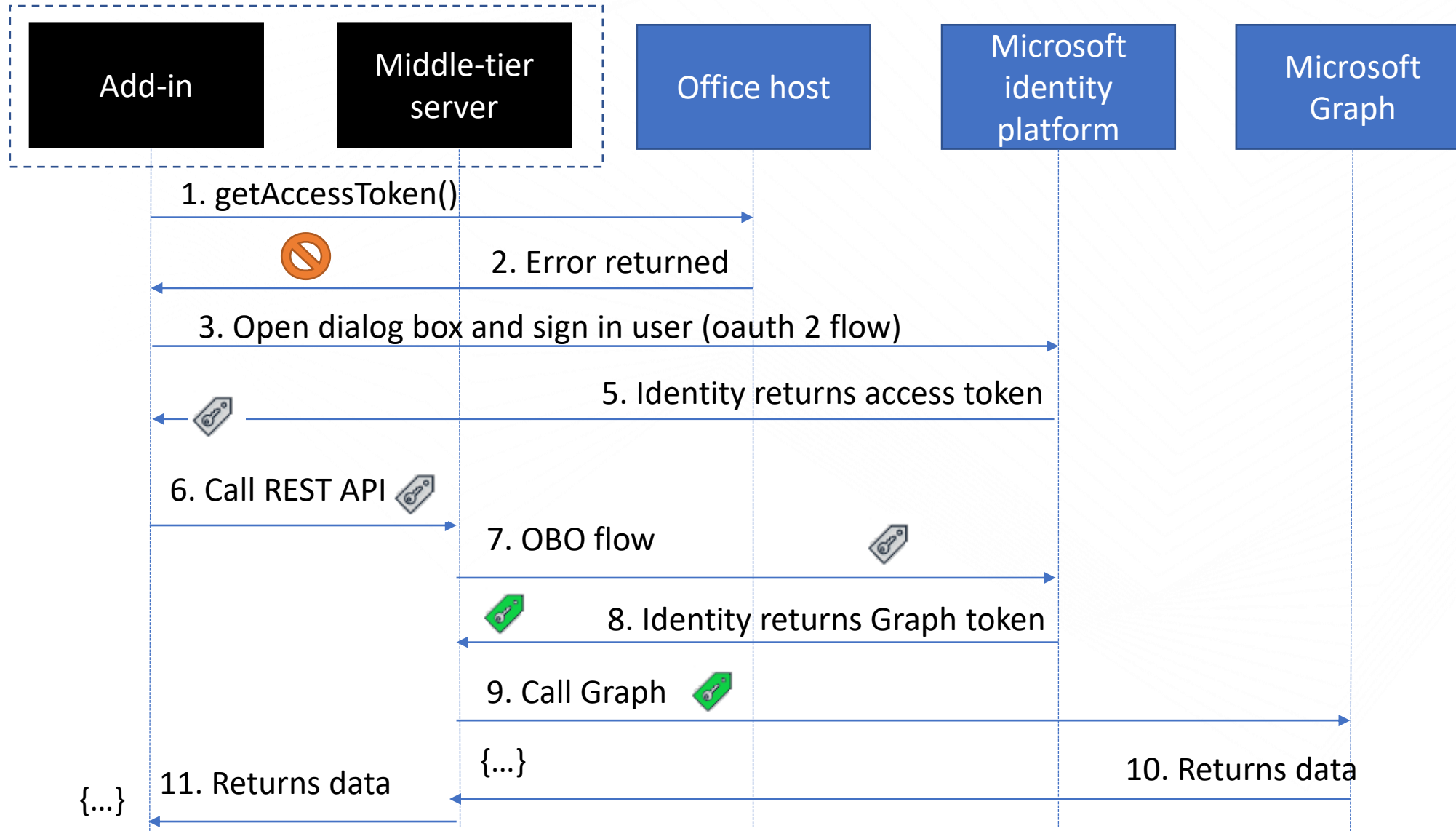
SSO token expired flow)
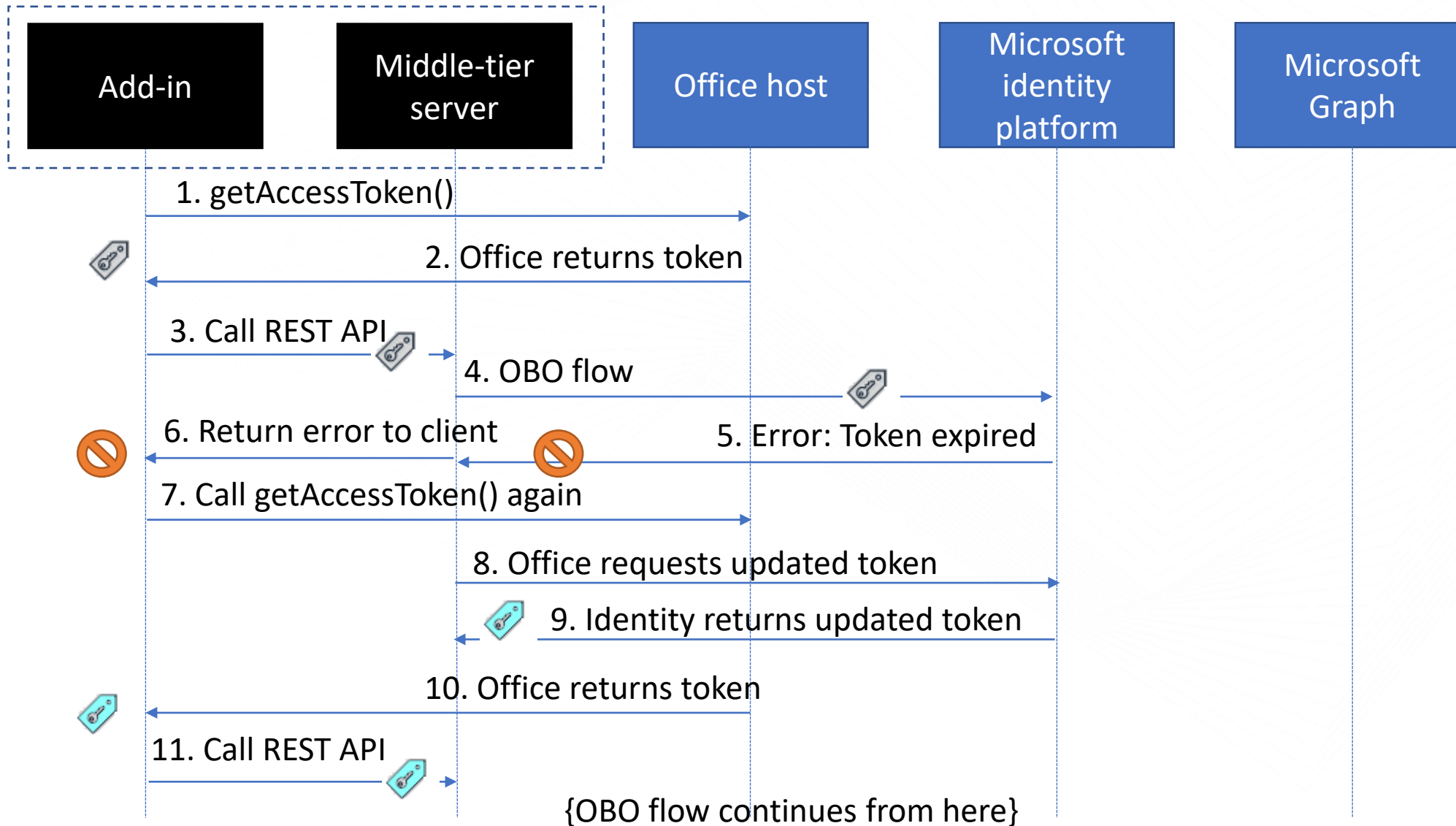
Demo: Key parts of the code

Important security notes

- Never cache tokens yourself. Always call getAccessToken() or use MSAL caching.

- Never return tokens from the middle-tier back to the client.

- Always validate the access token passed to your REST APIs. Consider a well known client list.

- Client secret should be stored securely (such as in Azure key vault).

Community spotlight

Thank you!
Maarten van Stam

https://github.com/OfficeDev/Office-Add-in-samples

https://pnp.github.io/recognitionprogram/

Community panels

Panel	Link
Outlook add-ins	https://ux.microsoft.com/Panel/OutlookAddinDeveloper
Excel add-ins	https://ux.microsoft.com/Panel/ExcelAddinDeveloper
Word add-ins	https://ux.microsoft.com/Panel/WordAddinDeveloper
PowerPoint add-ins	https://ux.microsoft.com/Panel/PowerPointAddinDeveloper
Samples and docs	https://ux.microsoft.com/Panel/OfficeAddinImproveSamplesDocs

Samples and docs panel

July 27th 8am PT (2 weeks from today)

Please join us and let us know what you need most from samples for Office Add-ins.

Get the calendar invite:
https://aka.ms/officeaddinsamples-call

Join the teams meeting:
https://aka.ms/officeaddinsamples-join

Q&A

What can you tell us about the approach and timing of the upcoming integration of Loop components with Excel?

Answer:
There isn't anything on the roadmap to share at this time. If you have ideas or requests please create a feature request with more information at https://aka.ms/m365dev-suggestions.

Q&A

Is there a way we can create desktop shortcuts for MS Office Add-ins (specifically for Word)?

Answer:

If you are referring to keyboard shortcuts, yes, but this is only available in Excel today. You can find more information in https://docs.microsoft.com/office/dev/add-ins/design/keyboard-shortcuts. If you are looking for keyboard shortcut support in Word, please let us know more about your scenario in a feature request at https://aka.ms/m365dev-suggestions.

Q&A

I have two questions both relating to getAccessToken:

1. Can you clarify which namespace we should be using to access the getAccessToken method please ? Is it **OfficeRuntime.Auth.getAccessToken** or **Office.auth.getAccessToken**

2. Why does the documentation refer to **Office.auth** when the full namespace is **Office.context.auth**? Can you confirm the full namespace?

Answer:
1. You can use either namespace. They call the same code as one just maps to the other. However, for consistency throughout the docs and samples, we are updating to always use Office.auth.getAccesstoken. It is possible that if a change were made in the future (like adding a new method) it may not appear on the original OfficeRuntime namespace. However any code using OfficeRuntime will not break. So if you are already using OfficeRuntime, you do not need to rewrite your code.
2. The correct namespace is Office.auth.getAccessToken.

Q&A

Is there a way for admin to install Excel add-in for the user or group that will show only for some Excel files generated by our application and not when user creates new Excel file or some other Excel files opened by the user?

Answer:
- It isn't possible to conditionally install an add-in based on various conditions about the opened file. You can however enable functionality in your add-in based on the conditions you want to detect. See https://docs.microsoft.com/office/dev/add-ins/develop/run-code-on-document-open.
- You can also show the task pane or hide the task pane based on conditions you define. See https://docs.microsoft.com/office/dev/add-ins/develop/show-hide-add-in.
- You can also embed your add-in into an Excel spreadsheet if opening the file from your service. See https://docs.microsoft.com/en-us/office/dev/add-ins/excel/pnp-open-in-excel

If you need more capabilities, please create an idea request with more details about your scenario at https://aka.ms/m365dev-suggestions.

Q&A

I have registered a request with https://aka.ms/RESTCheck but have not received any response. If there is no response via email, does this mean that the add-in that registered the information is not eligible for the REST extension?

Answer:

…

New to Office Add-ins?

	Documentation	https://aka.ms/office-add-ins-docs
	Quick starts	Outlook, Excel, Word, PowerPoint
	Script Lab	https://aka.ms/getscriptlab
	Samples	https://aka.ms/officeaddinsamples
	Microsoft 365 Developer Program	https://aka.ms/M365devprogram
	Office Scripts	aka.ms/office-scripts-docs

Engage with the team

Engagement	Where to go
Technical questions about Office Add-ins	https://aka.ms/office-addins-dev-questions **[office-js-dev] [office-addins-dev]** https://stackoverflow.com **[office-js] [outlook-web-addins] [office-scripts]**
Product bugs	https://github.com/OfficeDev/**office-js**
Feature requests and ideas	https://aka.ms/m365dev-suggestions
Send a Smile or Frown	Inside Office

Microsoft 365 developer community calls

Microsoft 365 platform call (weekly)   https://aka.ms/m365-dev-call

(Notice. This call is on a summer break between July 1st and 31st of August 2022)

Adaptive Cards (monthly)   https://aka.ms/adaptivecardscommunitycall
Microsoft identity platform (monthly)   https://aka.ms/IDDevCommunityCalendar
Office Add-ins (monthly)   https://aka.ms/officeaddinscommunitycall
Power Platform (monthly)   https://aka.ms/PowerPlatformMonthlyCall

Microsoft 365 & Power Platform
Development (bi-weekly)   https://aka.ms/m365-dev-sig
Viva Connections &
SharePoint Framework (bi-weekly)   https://aka.ms/spdev-spfx-call

All calls and assets: **https://aka.ms/m365pnp**

Thank you

Recording will be available in 24 hours on
Microsoft 365 Community (PnP) YouTube channel
https://aka.ms/M365PnP/videos
(subscribe today)

Follow us on Twitter
@Microsoft365Dev | @M365PnP

Next call: **August 10th at 8:00 AM Pacific Time**
https://aka.ms/officeaddinscommunitycall
Agenda: https://aka.ms/officeaddinsagenda
Submit your questions: https://aka.ms/officeaddinsform