Limitations of controls in canvas apps

In this article, learn about the general limitations of the controls used in canvas apps. In addition, limitations of controls in Teams lists the control limitations applicable to apps played inside Microsoft Teams. For more information about environments, look into Types of environments.

- ATTACHMENTS CONTROL -The attachment control has these limitations:
  The attachment control only supports lists and Dataverse tables as the data sources. Expressions that transform these data sources into Tables, for example, with the **ForAll** function, are not supported.
  Upload and delete functionality work only inside a form. The Attachment control appears disabled when in Edit mode and not inside a form. To save file additions and deletions, the app user must save the form. Because of this limitation, the Attachment control isn't available from the **Insert** tab but appears in the form when the Attachment form field is enabled in a SharePoint or Dataverse form. Attachments control on a web browser lets you select multiple files, and allows use of drag and drop functionality. However, when using attachments control on Power Apps Mobile, you can only add files one at a time.

- AUDIO, AND VIDEO CONTROLS - ShowControls must be true so that users can listen or watch multimedia at their own pace. This also allows users to toggle closed captions and full-screen mode on video players.

  - Closed captions must be provided for videos.

    - For YouTube videos, use authoring tools provided by YouTube to add captions.

    - For other videos, create captions in WebVTT format, upload them, and set **ClosedCaptionsUrl** to the url location. There are several limitations. Server(s) hosting video and captions needs to be CORS-enabled and serve them using HTTPS protocol.

  - Consider providing an audio or video transcript using one of these methods:

1. Put the text in a **Label** and position it adjacent to the multimedia player. Optionally, create a **Button** to toggle the display of the text.

2. Put the text in a different screen. Create a **Button** that navigates to the screen and position the button adjacent to the multimedia player.

3. If the description is short, it can be put it in the **AccessibleLabel**.

- BARCODE CONTROL, CAMERA CONTROL

  o On iOS, the camera control is supported in the Power Apps for mobile app. It's not supported within the browser or Teams Mobile.

  o On Android, the camera control isn't supported in Teams Mobile.

  o When using desktop browsers, the barcode reader isn't supported. Use the Power Apps for mobile app.

- CONTAINER CONTROL - Containers don't work within forms. The following controls are not supported within a container:

  o Data table

  o PDF viewer

  o Web barcode scanner

- EXPORT AND IMPORT CONTROLS - Enabling this functionality in your app may expose it to security vulnerabilities and data leakage. It is recommended to advise users to import only recognized and trusted files and only export data that is not confidential or sensitive.

  o The export functionality isn't supported in web browsers.

- GALLERY CONTROL - The gallery control has these limitations:

  1. If a user scrolls the **Flexible height** gallery control before all items are loaded, the item that's currently in view may be pushed down and out of view when the data loading is finished. To avoid this issue, use a standard **Gallery** control instead of the **Flexible height** variant.
  2. The following controls are not supported within a gallery:

Contents from https://learn.microsoft.com

- o Display form
- o Edit form
- o PDF viewer
- o Power BI tile
- o Rich text editor
- o Scrollable screen (Fluid grid)
- o Web barcode scanner

3. You can only add one gallery inside another gallery.

4. The minimum **TemplateSize** is one. This can cause controls in the **Gallery** to drift from their expected **X** or **Y** values, when you don't account for the template size.

5. If you generate an app automatically from data, save the app, and then reopen it, the browse gallery might not immediately show any data. To resolve this issue, type at least one character in the search box, and then delete the text that you typed. The gallery will then show the data as expected.

6. If a gallery includes a ComboBox, DatePicker, Slider, or Toggle control with an OnChange rule that patches the same data source or collection as the gallery, it may lead to unexpected or reduced performance. This is because an OnChange rule that patches the data source of the gallery can create a never-ending cycle of patching and reloading. To avoid this issue, it is advisable not to use OnChange rules when these controls are placed within a gallery.

- IMAGE CONTROL - only supports external media URLs using HTTPS.

- POWER BI TILE CONTROL - When **AllowNewAPI** property is set to "True", you're using new API to call Power BI service.
When **AllowNewAPI** property is set to "False", you're using the original API to call Power BI service. In this case, by passing a single parameter from the app, you can filter the results that appear in a Power BI tile. However, only string values and the equals operator are supported, and the filter might not work if the table name or the column name contains spaces.

- <u>PDF VIEWER CONTROL (EXPERIMENTAL)</u> - The PDF viewer control only supports PDF files that conform to the PDF32000 specification.
    1. The security architecture of Power Apps requires the PDF Viewer to support only HTTPS links, not HTTP.
    2. The **Document** property must link directly to the PDF file. Server redirects or HTML views of the document aren't supported.
    3. The file must be accessible anonymously without any authentication.
    4. You can't view a PDF document in your app if the document resides on a server that has restrictive cross-origin resource sharing (CORS) settings. To resolve this issue, the server that hosts PDF documents must permit cross-origin requests from powerapps.com.
    5. Embedded objects like scripts and buttons don't run.
    6. Printing the document isn't supported.
    7. App users can work around these limitations by opening PDF documents in an external browser, as prompted if the control can't open a document. This option is also available in the control menu for all external documents.

- **Limitations of controls in Teams**

This section lists limitations of canvas apps controls for apps within Microsoft Teams.

General limitations

Apps made with Power Apps in a Dataverse for Teams environment can't be opened outside of Teams. To use controls like *Camera*, upgrade your Power Apps license so that the app can be opened outside of Teams—for example—in the Power Apps mobile app.

Limitations of specific controls

- Barcode control - the barcode reader control isn't supported in Teams Mobile.

- Camera control - the Camera control isn't supported in Teams Mobile. If you're creating a Power Apps app for use inside Teams, use the Add picture control instead.

Contents from https://learn.microsoft.com

- Microphone control - the following conditions apply when using the Microphone control in apps created using Power Apps on Teams Mobile:

  - The audio format for microphone recordings in Teams will always be *AAC* with a file extension of .MP4.

  - Teams has its own recording experience. The microphone control inside apps created using Power Apps will be disabled during the recording period.

  - Microphone recordings are limited to a maximum duration of 10 minutes.

Unsupported controls

The following controls aren't supported by apps embedded in Teams:

- Address Input

- Camera (in Teams Mobile)

- Map

- Mixed reality (View in MR, View shape in MR, Measuring Camera)

- Power BI tile control

- Web barcode scanner control