Picture Project

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Embedding images onto PowerBi query Via Dropbox

I had over 2000 images so these were my methods to help me with this bulk amount.

You may have to skip some steps if its few images.

This was my process into importing images into POWERBI with a connected Excel sheet.

Install a local version of Dropbox onto your computer.

From the file explorer you can open Dropbox and create a folder and place images needed.

I found it easier to do this locally as appose to on the browser because of the transferring of images going in and out.

once the images have been synced onto you dropbox a little green checkmark appears.

If its blue let it finish sync.

Right click the dropbox folder with photos inside and click 'Copy Dropbox Link'

A screenshot of a cell phone

Description automatically generated

Now open a Chrome Browser window in INCOGNITO mode and Paste the copied Dropbox Link.

Change the view of the images to Details instead of Tile.

Select All the images and paste the onto a clean Worksheet in EXCEL.

Depending on the size this may take a while, be patient.

You must have two macro's created on your Worksheet.

One to delete all the pics that are on the sheet, and another to Extract the URL's from the paste links.

Sub DeleteAllPics()

Dim Pic As Object

For Each Pic In ActiveSheet.Pictures

Pic.Delete

Next Pic

End Sub

Sub ExtractHL()

Dim HL As Hyperlink

For Each HL In ActiveSheet.Hyperlinks

HL.Range.Offset(0, 1).Value = HL.Address

Next

End Sub

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Paste the Macro's on a Module in VBA. (alt-F11) open New Module. Copy/Paste and save as .xlsm (macro Enabled)

Now on the worksheet that you were on hit ALT-F8 and Run the DELETE PICS and EXTRACT Macro's

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Clean up your sheet from Spaces and other miscellaneous junk that might’ve pasted.

Create a header for the column named "URL" <-- important

Now you can import this data onto powerBI.

PowerBI --> Get Data --> Find the .xlsm file and Open.

In Edit Query open up the Table with your images.

Next step is optional if you want the name of the image in a new column.

-Change the column type to: Text

-add custom column and paste the following INSIDE the quotes (do not include quotes)

"Text.Upper(Text.Trim(Text.Middle([URL], Text.PositionOf([URL], "/", Occurrence.Last)+1, Text.PositionOf([URL], ".", Occurrence.Last)-Text.PositionOf([URL], "/", Occurrence.Last)-1)))"

-Right Click the columns and: Remove Duplicates

-Right Click the columns and: Replace Value

From: www.dropbox

to: dl.dropboxusercontent

-Right Click the columns and: Replace Value

From:?dl=0

To: <-- Leave Blank

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Apply Query and save and close

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On the left-hand side Click Data Tab --> Select the table of Url's --> Click Modeling tab --> Data Category --> Image URL

Now Images will show up in the Report Tab in PowerBI.

When adding images to your Dropbox you may have to update the excel sheet. but after that just hit Refresh ALL and update POWERBI

Goodluck