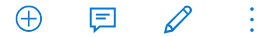


[Docs](#) / [Microsoft Graph](#) / [API beta reference](#) / [Files](#) / [Drive items](#) /

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Namespace: microsoft.graph

Important

APIs under the `/beta` version in Microsoft Graph are subject to change. Use of these APIs in production applications is not supported. To determine whether an API is available in v1.0, use the **Version** selector.

Warning

This endpoint requires TLS 1.2 to function normally. Microsoft announced the deprecation of TLS 1.0 and 1.1 for Office 365 and Azure AD services. Although Microsoft Graph still supports these two protocols, you might experience transport-level errors. For more information about the TLS 1.0 and 1.1 deprecation, see **[Enable support for TLS 1.2 in your environment](#)**.

Use this API to retrieve the contents of an item in a specific format. Not all files can be converted into all formats.

To download the item in its original format, see [download an item's contents](#).

Permissions

One of the following permissions is required to call this API. To learn more, including how to choose permissions, see [Permissions](#).

Permission type	Permissions (from least to most privileged)
Delegated (work or school account)	Files.Read, Files.ReadWrite, Files.Read.All, Files.ReadWrite.All, Sites.Read.All, Sites.ReadWrite.All
Delegated (personal Microsoft account)	Files.Read, Files.ReadWrite, Files.Read.All, Files.ReadWrite.All
Application	Files.Read.All, Files.ReadWrite.All, Sites.Read.All, Sites.ReadWrite.All

HTTP request

HTTP	 Copy
<pre>GET /drive/items/{item-id}/content?format={format} GET /drive/root:/{path and filename}:/content?format={format}</pre>	

Query parameters

Parameter	Type	Description
<i>format</i>	string	Specify the format the item's content should be downloaded as.

The following values are valid for the **format** parameter:

Value	Description	Supported source extensions
glb	Converts the item into GLB format	cool, fbx, obj, ply, stl, 3mf
html	Converts the item into HTML format	eml, md, msg

Value	Description	Supported source extensions
jpg	Converts the item into JPG format	3g2, 3gp, 3gp2, 3gpp, 3mf, ai, arw, asf, avi, bas, bash, bat, bmp, c, cbl, cmd, cool, cpp, cr2, crw, cs, css, csv, cur, dcm, dcm30, dic, dicm, dicom, dng, doc, docx, dwg, eml, epi, eps, epsf, epsi, epub, erf, fbx, fppx, gif, glb, h, hcp, heic, heif, htm, html, ico, icon, java, jfif, jpeg, jpg, js, json, key, log, m2ts, m4a, m4v, markdown, md, mef, mov, movie, mp3, mp4, mp4v, mrw, msg, mts, nef, nrw, numbers, obj, odp, odt, ogg, orf, pages, pano, pdf, pef, php, pict, pl, ply, png, pot, potm, potx, pps, ppsx, ppsxm, ppt, pptm, pptx, ps, ps1, psb, psd, py, raw, rb, rtf, rw1, rw2, sh, sketch, sql, sr2, stl, tif, tiff, ts, txt, vb, webm, wma, wmv, xaml, xbm, xcf, xd, xml, xpm, yaml, yml
pdf	Converts the item into PDF format	doc, docx, epub, eml, htm, html, md, msg, odp, ods, odt, pps, ppsx, ppt, pptx, rtf, tif, tiff, xls, xlsx, xlsm, xlsx

Optional request headers

Name	Value	Description
<i>if-none-match</i>	String	If this request header is included and the eTag (or cTag) provided matches the current tag on the file, an HTTP 304 Not Modified response is returned.

Example

HTTP

C#

JavaScript

Java

Go

PHP

HTTP

Copy

Try It


```
GET /drive/items/{item-id}/content?format={format}
```

Response

Returns a 302 Found response redirecting to a pre-authenticated download URL for the converted file.

To download the converted file, your app must follow the `Location` header in the response.

Pre-authenticated URLs are only valid for a short period of time (a few minutes) and do not require an `Authorization` header to access.

HTTP	 Copy
<pre>HTTP/1.1 302 Found Location: https://b0mpua-by3301.files.1drv.com/y23vmagahszhxz1cvhasdhasghasodfi</pre>	

Error responses

See [Error Responses](#) for more information about how errors are returned.