AzureDevOps.WikiPDFExport

\AzureDevOps.WikiPDFExport.md

Quickstart

This tool exports a Azure DevOps wiki as PDF. Therefore, you need to git clone the target wiki to a computer. You can get the clone link of the wiki in the top right of the wiki homepage:

Wikis > P AzureDevOps.WikiPDFExport.wiki >

AzureDevOps.WikiPDFExport



Max Melcher 10 minutes ago Revisions

Unfollow

Quickstart

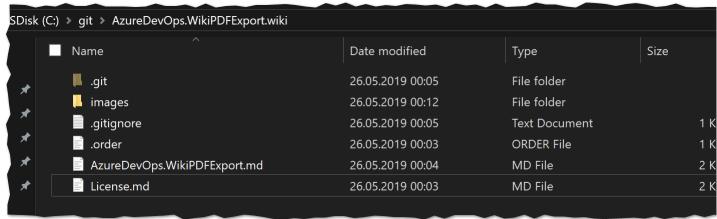
This tool exports a Azure DevOps wiki to PDF. Therefore, you need to git clone the target wiki to a computer.

For this wiki:

git clone https://dev.azure.com/mmelcher/AzureDevOps.WikiPDFExport/_git/AzureDevOps.WikiPDFExport.wiki

Once you have cloned the wiki, you must download a release of the WikiPDFExport tool.

The result should look like this:



If you need more control over the output, please see the Configuration Options below or by launching the tool with --help para

i Features

The tool currently supports the following:

- Export all wiki pages (and sub pages) in the correct order including styles and formatting.
- Includes pictures (remote and relative urls)
- Creates PDF bookmarks to all pages for easier navigation within the PDF If you link to other wiki pages, the link in the PDF will work, too. Everything self-contained. Download the .exe file, run it, done. Tool can be used as part of a build, see <u>Build Task</u>

∧ Requirements

The tool is developed as .NET Core 2.2 application, therefore you need to have the runtime installed. Download is available here.



The download is available here

Configuration Options

-h / --help

Help - outputs the parameters that can be used

-o / --output

The path to the export file including the filename, e.g. c:\export.pdf

-d / --date

The current date will be added to the footer

-b / --breakPage

For every wiki page a new page in the PDF will be created

-h / --heading

For every wiki page create a heading in the PDF. If the file is called Home.md a new #Home-heading is added to PDF

-s / --single

Path to a single markdown file to convert to PDF. If you want to write your changelog in the wiki, this is your parameter to only convert a single page. -p parameter is required, too.

Path to the wiki folder. If not provided, the current folder of the executable is used.

-v / --verbose

Verbose mode. Logging will added to the console window

-d / --debug

Debug mode. Logs tons of stuff and even exports the intermediate html file

--pathToHeading

Add path of the file to the header

--footer-left, --footer-center, --footer-right, --header-left, --header-center, --header-right,

Headers and footers can be added to the document by the --header-* and --footer* arguments respectfully. In header and footer text string supplied to e.g. --header-left, the following variables will be substituted.

- [page] Replaced by the number of the pages currently being printed
- [frompage] Replaced by the number of the first page to be printed [topage] Replaced by the number of the last page to be printed [webpage] Replaced by the URL of the page being printed
- [section] Replaced by the name of the current section
- [subsection] Replaced by the name of the current subsection [date] Replaced by the current date in system local format
- [isodate] Replaced by the current date in ISO 8601 extended format
- [time] Replaced by the current time in system local format [title] Replaced by the title of the of the current page object [doctitle] Replaced by the title of the output document
- [sitepage] Replaced by the number of the page in the current site being converted [sitepages] Replaced by the number of pages in the current site being converted

∧ Limitations

So far the following limitations are known:

- TOC (Table of Contents) tag is not supported and will exported as tag
 The tool, sometimes shows an error "Qt: Could not initialize OLE (error 80010106)" this can be ignored.
 If headers are not formatted properly (#Header instead of # Header), they are rendered incorrectly. I might fix that in the future.
- · The tool lacks proper testing because I only have two wikis available

⊗ License

See <u>license</u>

Telemetry

The tool uses Application Insights for basic telemetry:

- The duration of the export and the count of wiki pages is tracked and submitted to Azure.
- In the case of an error, the exception is submitted.
 No wiki data/content is submitted.

Thanks

In this tool uses open source libraries that do the actual work - I just combined them to get the export as PDF:

- CommandLineParser to parse the command line MarkDig to parse markdown files to HTML.
- 3. DinkToPdf to export HTML to PDF

TEST PAGE

\AzureDevOps.WikiPDFExport\TEST-PAGE.md

tags:

- test
- pageyaml title: Test Page

The following are tests for the export page

Copy & Paste Picture



Table of Contents

Video

Table Test

a b

Formular

\(e=mc^2\)

Mention

@<7C0C20F7-3AB6-6232-8E80-E35152712AF5>

##Malformed header (no space!)

Lists

Formats

bold italic link code

Scaled Images



Mermaid

graph LR; A[Wiki supports Mermaid] --> B[Visit https://mermaidjs.github.io/ for Mermaid syntax];

Build Task

\AzureDevOps.WikiPDFExport\Build-Task.md

Using Azure DevOps WikiPDFExport as build task is straightforward.

- 1. Create a new build definition
- 2. Git Source is "Other Git"
 - 1. Add the clone url to the wiki to the details and username / password if required
- 4. Ensure that the agent is a windows agent
- 5. Add a powershell task with the following code:

#Download url to the export tool

\$url = "https://dev.azure.com/mmelcher/8036eca1-fd9e-4c0f-8bef-646b32fbda0b/_apis/git/repositories/e08d1ada-7794-4b89-a3ea-cb64a26683c3/Items?path=%2Fazuredevops-export-wiki.exe&

#filename of the tool
\$output = "azuredevops-export-wiki.exe"

#download the file Invoke-WebRequest -Uri \$url -OutFile \$output

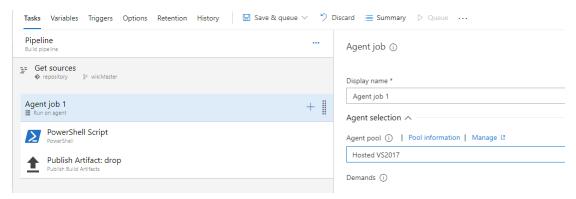
#launch the tool - adjust the parameters if required ./azuredevops-export-wiki.exe

5. Add a second task to publish the PDF as build artifact.

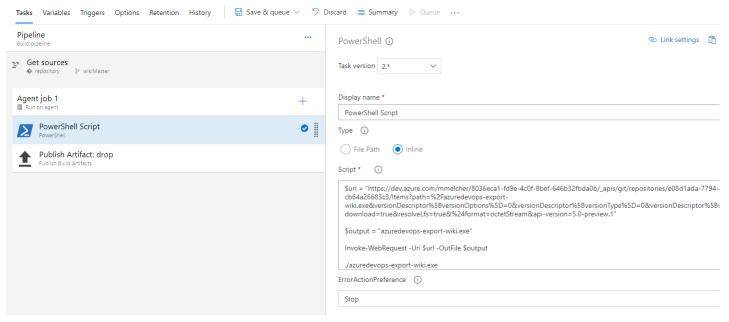
Once the build succeeds, you can download the PDF file from the build page or use it in a release.

Pictures

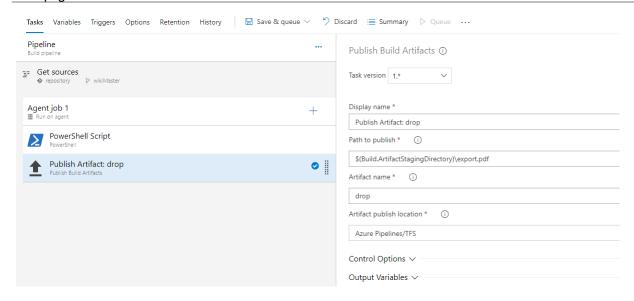
Windows Agent



PowerShell Task



Publish Task



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