

## AzureDevOps.WikiPDFExport

AzureDevOps.WikiPDFExport.md

### Quickstart

This tool exports a Azure DevOps wiki to 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 >  AzureDevOps.WikiPDFExport.wiki 

# AzureDevOps.WikiPDFExport



Max Melcher 10 minutes ago [Revisions](#)



Unfollow

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## 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.

To clone this wiki, use the following command: `git clone https://dev.azure.com/mmelcher/AzureDevOps.WikiPDFExport/_git/AzureDevOps.WikiPDFExport.wiki`

The result should look like this:

SDisk (C:) > git > AzureDevOps.WikiPDFExport.wiki

Name	Date modified	Type	Size
 .git	26.05.2019 00:05	File folder	
 images	26.05.2019 00:12	File folder	
 .gitignore	26.05.2019 00:05	Text Document	1 K
 .order	26.05.2019 00:03	ORDER File	1 K
 AzureDevOps.WikiPDFExport.md	26.05.2019 00:04	MD File	2 K
 License.md	26.05.2019 00:03	MD File	2 K

Once you have cloned the wiki, you must download the Azure DevOps WikiPDFExport tool. [azuredevops-export-wiki.exe](#)

You can drop it right into the cloned folder and execute it there. Launched without parameters, the tool will detect all wiki files next to it and convert it to a PDF called export.pdf right next to it. Similar to this [pdf](#).

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

### 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.
- It is fast. A PDF with 160 pages is created in less than a second.

### Requirements

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

### Download

The download is available [here](#)

### Configuration Options

`-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

**-v / --verbose**

Verbose mode. Logging will added to the console window

**-h / --help**

Help - outputs the parameters that can be used

## 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.
- The tool lacks proper testing because I only have two wikis available

## License

See [license](#)

## Thanks

In this tool uses three open source libraries are doing the work - I just combined them to get the export as PDF:

1. [CommandLineParser](#) to parse the command line
2. [CommonMark.NET](#) to parse markdown files to HTML.
3. [DinkToPdf](#) to export HTML to PDF

TEST-PAGE

TEST-PAGE.md

- tags:
- test
  - page
  - yaml title: Test Page

The following are tests for the export page

Copy & Paste Picture



Table of Contents

[[TOC]]

Video

... video

Formular

$$S_c = m c^2$$

Mention

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

##Malformed header (no space!)

Lists

- 1 Entry
- 2 Entry
- 3 Entry

Formats

**bold** *italic* [link](#) `code`

...

## Build-Task

### Build-Task.md

Using Azure DevOps WikiPDFExport as build task is straightforward.

1. Create a new build definition
2. Git Source is "Other Git"
3.
  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-646b32fdba0b/_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

TasksVariablesTriggersOptionsRetentionHistorySave & queueDiscardSummaryQueue...

PipelineBuild pipeline

Get sourcesrepositorywikiMaster

Agent job 1Run on agent

PowerShell ScriptPowerShell

Publish Artifact: dropPublish Build Artifacts

Agent job ⓘ

Display name \*Agent job 1

Agent selection ^

Agent pool ⓘ | Pool information | Manage ↗

Hosted VS2017

Demands ⓘ

### PowerShell Task

TasksVariablesTriggersOptionsRetentionHistorySave & queueDiscardSummaryQueue...

PipelineBuild pipeline

Get sourcesrepositorywikiMaster

Agent job 1Run on agent

PowerShell ScriptPowerShell

Publish Artifact: dropPublish Build Artifacts

PowerShell ⓘLink settings ↗

Task version2.\*

Display name \*PowerShell Script

Type ⓘ

File Path

Inline

Script \* ⓘ

\$url = "https://dev.azure.com/mmelcher/8036eca1-fd9e-4c0f-8bef-646b32fdba0b/\_apis/git/repositories/e08d1ada-7794-cb64a26683c3/Items?path=%2Fazuredevops-export-wiki.exe&versionDescriptor%5BversionOptions%5D=0&versionDescriptor%5BversionType%5D=0&versionDescriptor%5Bdownload=true&resolveLfs=true&%24format=octetStream&api-version=5.0-preview.1"

\$output = "azuredevops-export-wiki.exe"

Invoke-WebRequest -Uri \$url -OutFile \$output

./azuredevops-export-wiki.exe

ErrorActionPreference ⓘ

Stop

### Publish Task

TasksVariablesTriggersOptionsRetentionHistory

Save & queueDiscardSummaryQueue

Pipeline

Build pipeline

Get sources

repositorywikiMaster

Agent job 1

Run on agent

PowerShell Script

PowerShell

Publish Artifact: drop

Publish Build Artifacts

Publish Build Artifacts

Task version

1.\*

Display name \*

Publish Artifact: drop

Path to publish \*

\$(Build.ArtifactStagingDirectory)\export.pdf

Artifact name \*

drop

Artifact publish location \*

Azure Pipelines/TFS

Control Options

Output Variables

## License

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