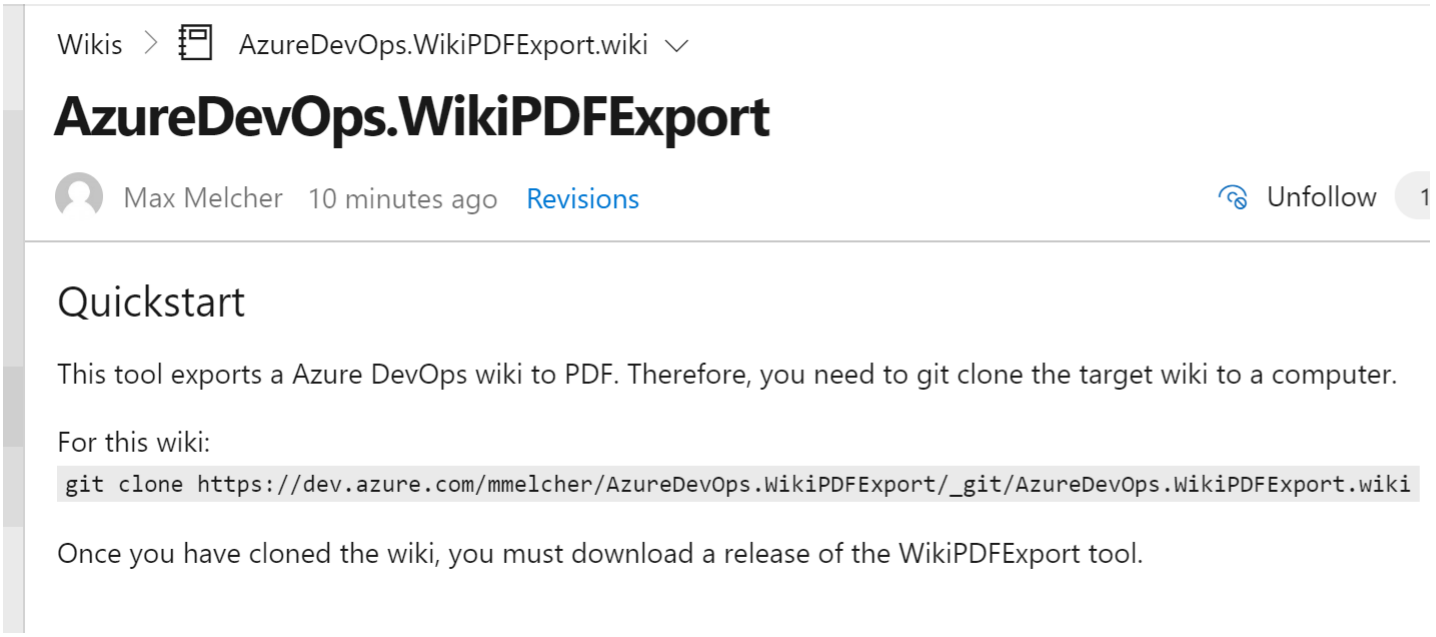
AzureDevOps.WikiPDFExport.md

AzureDevOps.WikiPDFExport

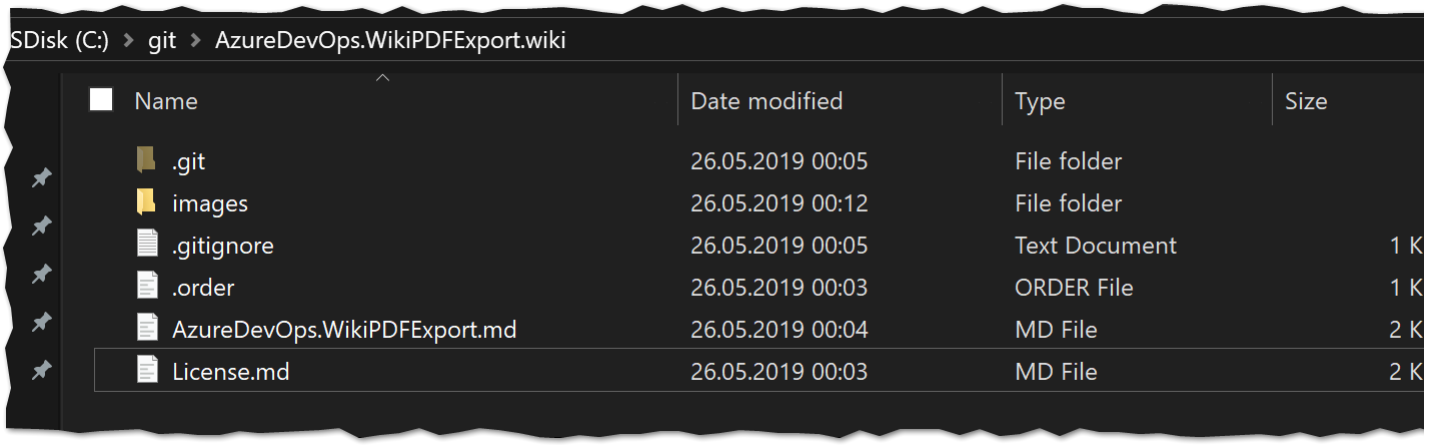
Quickstart

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:



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:



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.md

TEST-PAGE

---

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

$e=mc^2$

Mention

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

##Malformed header (no space!)

Lists

- 1 Entry
- 2 Entry
- 3 Entry

Formats

bold *italic* link `code`

Build-Task.md

Build-Task

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:

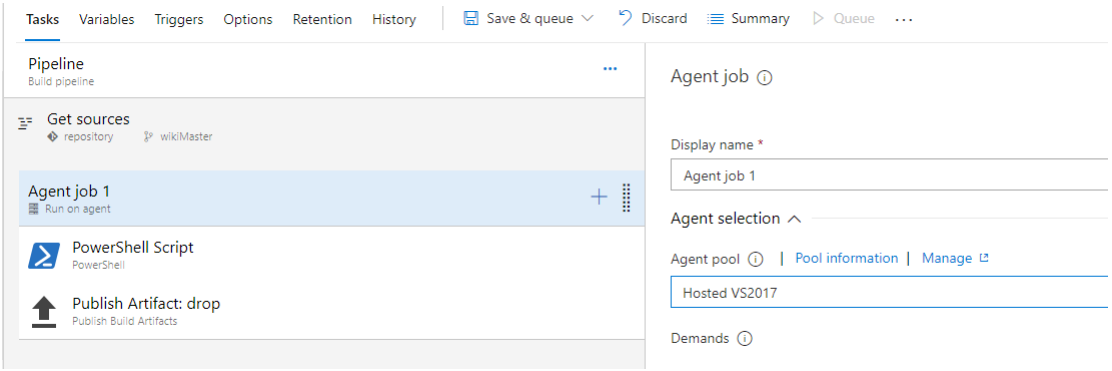
```
#Download url to the export tool
$url = "https://dev.azure.com/mmelcher/8036eca1-fd9e-4c0f-8bef-646b32fbda0b/_apis/git/repositories/e08d1ada-7794-4b89-a3ea-cb64a26683c3/Items?path=%2Fazuredevops-export-wiki.exe&

#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.

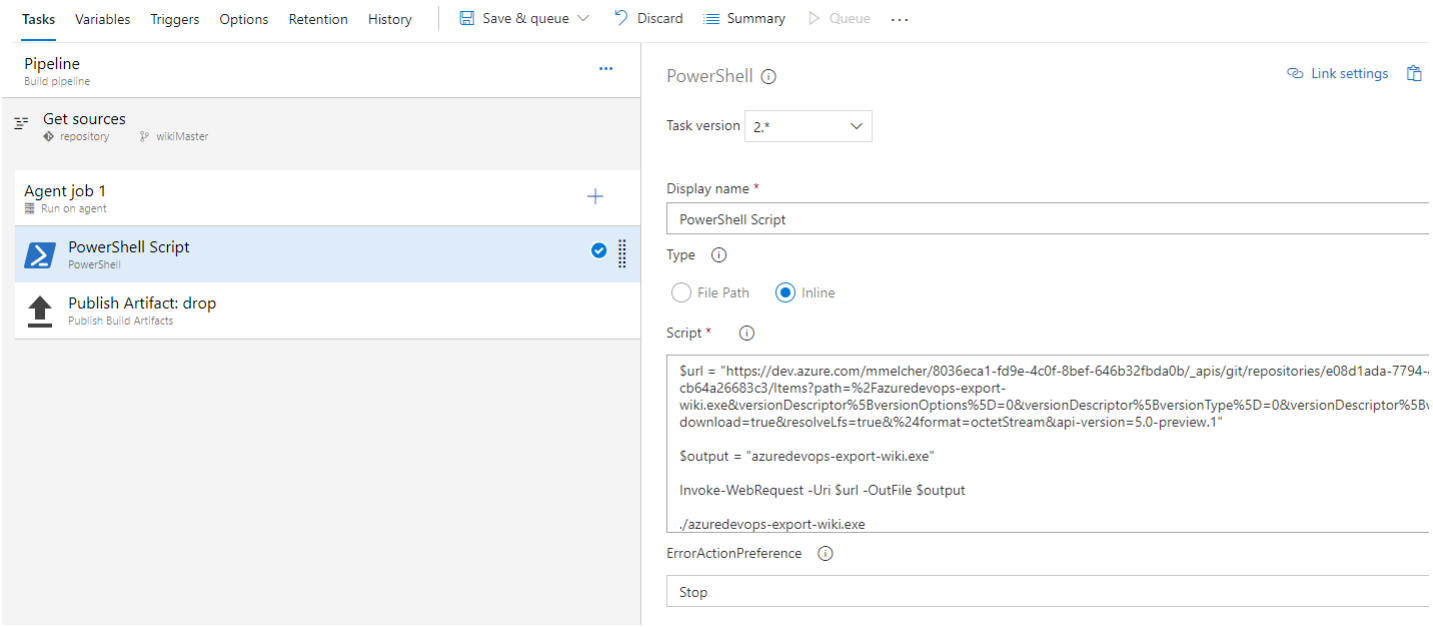
Once the build succeeds, you can download the PDF file from the build page or use it in a release.

Pictures

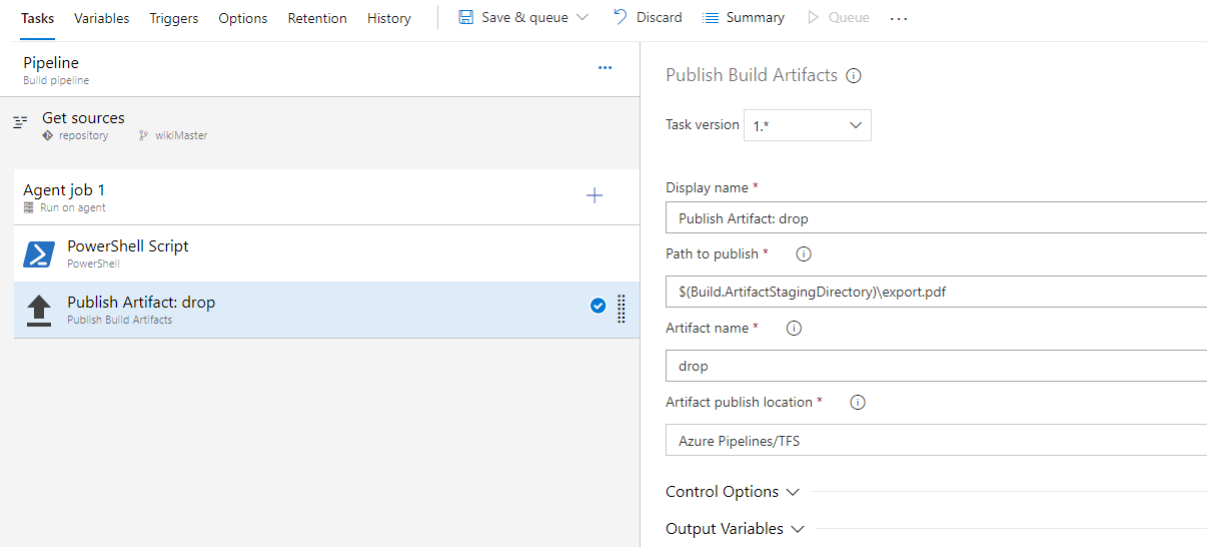
Windows Agent



PowerShell Task



Publish Task


Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
repository
wikiMaster
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.md

License