**Project walkthrough**

1. **Certificate folder**

A screenshot of a computer

AI-generated content may be incorrect.

Contains the certificate to sign the PSA App when it will be published.

“generate certificate pfx.ps1” contains powershell script to generate the certificate

1. **Logs Folder**

Added permissions full control to everyone. (so in theory any user or process should have permission to write here)

A screenshot of a computer

AI-generated content may be incorrect.

1. **Current Machine setup:**

Visual Studio Version:

A close-up of a computer screen

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

1. **Create the Blank UWP App (for PSA)**

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

1. **Publish the app:**

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a application

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

Pass: MySecurePassword123! -> It can be found on powershell that generates the pfx

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a software application

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

The app was published with success!

1. **Install the printer**

Install the msix package:

Add-AppxPackage "C:\Work\DocuWare\docuware-v3\Publish\VirtualPdfPrinterPSA\_1.0.0.0\_Test\VirtualPdfPrinterPSA\_1.0.0.0\_x86.msixbundle"

Run the app:

#Find the AppUserModelId

Get-StartApps | Where-Object { $\_.Name -like "\*VirtualPdfPrinterPSA\*" }

Then execute the corresponding path e.g.:

Start-Process "shell:appsFolder\VirtualPdfPrinterPSA\_xbjkmx0xqdwrt!App"

Execute “InstallPrinter.ps1”

# ------------------ CONFIG ------------------

$printerName = "VirtualPDFPrinterQueueName"

$driverName = "Microsoft XPS Document Writer v4"

$portName = "VirtualPDFPrinterQueueNamePort:"

# -------------------------------------------

Write-Host "[INFO] Removing existing printer (if it exists)..."

if (Get-Printer -Name $printerName -ErrorAction SilentlyContinue) {

Remove-Printer -Name $printerName

Write-Host "[INFO] Removed existing printer: $printerName"

}

# Create the custom port (if not already created)

if (-not (Get-PrinterPort -Name $portName -ErrorAction SilentlyContinue)) {

Write-Host "[INFO] Creating custom port: $portName"

Add-PrinterPort -Name $portName

}

# Add the printer using the built-in MXDW driver and custom port

Write-Host "[INFO] Adding printer using built-in driver and custom port..."

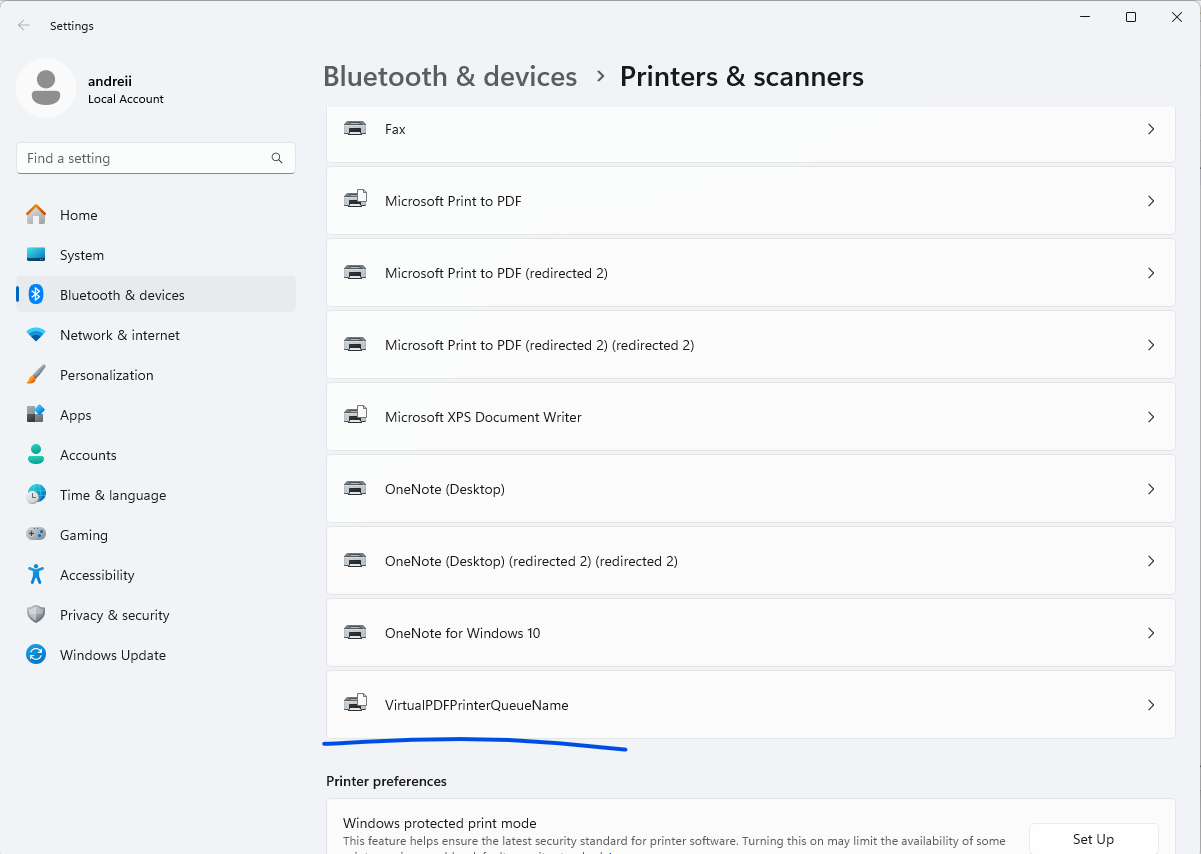
Add-Printer -Name $printerName -DriverName $driverName -PortName $portName

Write-Host "[OK] Printer '$printerName' created successfully on port '$portName'."

Write-Host "[INFO] PSA should now trigger when this printer is used."

1. **Execution Sumary**

The printer appears in printers and scanner



When we do a test page nothing is happening. Also when I run the UWP App nothing is happening. (NO LOGS ARE ADDED)

1. **Workaround for the logs**

After doing some investigation it seems like there is a restriction on writing data outside of local storage of the UWP App.. so I tried this approach:

In Main Page I added this textbox to be able to fetch the local path

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

Then I swapped the logging code with the new path e.g.:

A screenshot of a computer

AI-generated content may be incorrect.

A close-up of a computer screen

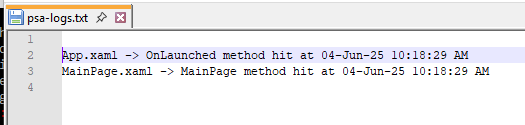
AI-generated content may be incorrect.



And when I deployed and run the UWP I could see this:

A screenshot of a computer

AI-generated content may be incorrect.



Which means the logging part works but when I try to do a test page the **VirtualPrinterBackgroundTask** is not launched.. so the connection between the Virtual Printer and the PSA is not made or something is missing.