

Revision History

Date	Version	Description	Author
01/2025	1.0	English Version	KDA Engineering (Mark DeSarno)

Overview

What is Microsoft Protected Print

Windows Protected Print Mode (WPP) is a secure method to print documents for Windows. WPP utilizes the Internet Printing Protocol (IPP). It's designed to reduce the risk of data breaches by utilizing Windows OS driver technology, eliminating the need for outside third-party drivers and less secure communication ports. Other benefits include:

- All manufacturers utilize the same driver
- Greatly Reduced support and management resources for printer output workflow.
- Printer Drivers updates for functionality and security are automatically applied.

Architecture:

If an enterprise decides to move all their printer fleet to WPP printing, all existing printer devices currently installed utilizing 3rd Party drivers that are not Windows Modern Print Stack compliant (WPP, MS Universal Print, Embedded OS) will be automatically removed after the device is set by an administrator to WPP and the PC is restarted.

Listed are some of the Kyocera drivers that will be removed:

KX Driver

Kyocera Universal Driver (Full and Type 4)

PCL Mini Drivers

KPDL Mini Driver

Kyocera Network Fax Driver

PDF Print Drivers (Except Microsoft PDF printer)

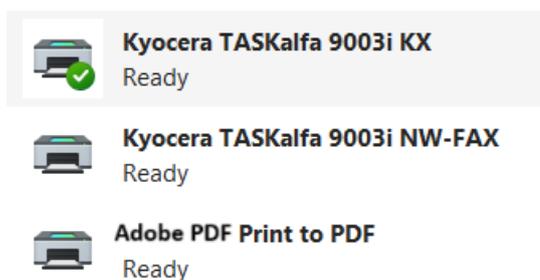
Note: Kyocera TWAIN Driver is still operational for scanning.

Windows 11 accessible printer impact

Before enabling WPP

*Kyocera KX & Fax Driver are selectable

*Adobe PDF Print

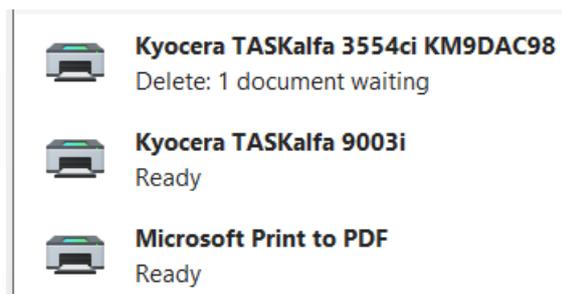


After enabling WPP and restarting the PC

*Added Devices: WPP TA-9003i

*Added MS Universal Print TA-3554ci

*MS Print to PDF



Enable WPP On PC and Setup Printer MFP

This section explains how to set up the WPP environment and how to use its functionality.

Administrator Checks:

- The Windows 11 OS requires version 24H2 or later installed for the feature.
- Access to the Local Group Policy Editor feature.
- Ensure the print devices can directly communicate to the Windows 11 PC on the network.

Note: Windows 11 22H2 level update will not operate WPP correctly and recovery out of WPP may not be possible. Do not activate WPP if the device at 22H2

Prepare the User Windows 11 PC

In order to use WPP you need to prepare following environment.

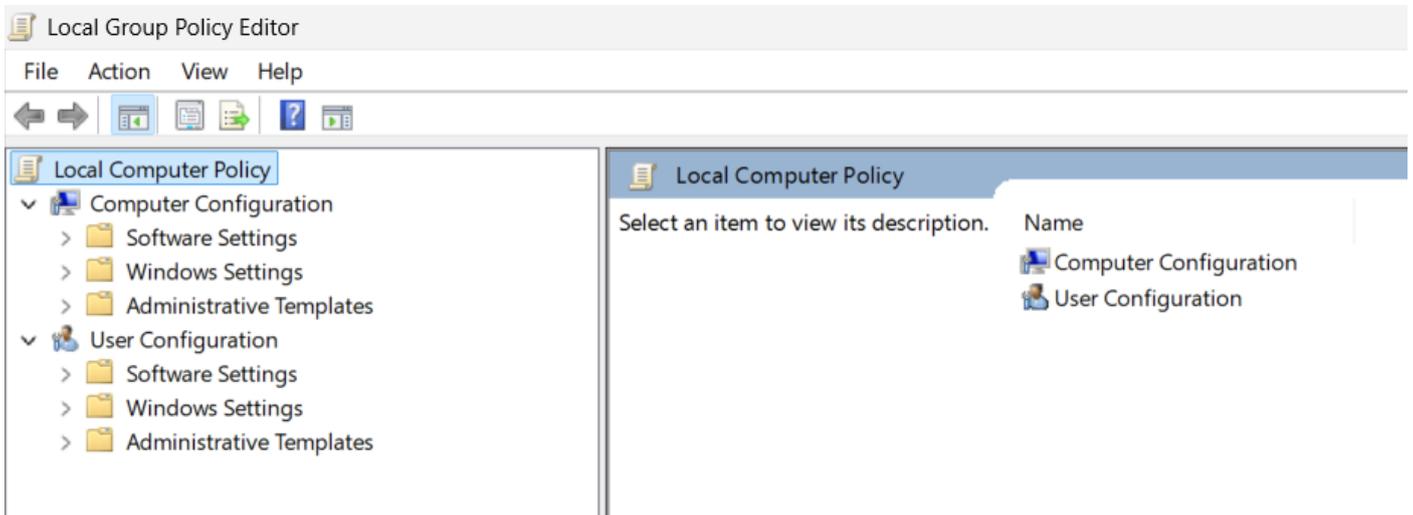
Item	Name	Description
1	PC	PC's Windows11 version must be 24H2 or later
2	Communication	Ensure the print devices are online can directly communicate to the Windows 11 PC in the network.
3	Administration	Requires access to the Local Group Policy Editor feature

Enabling WPP

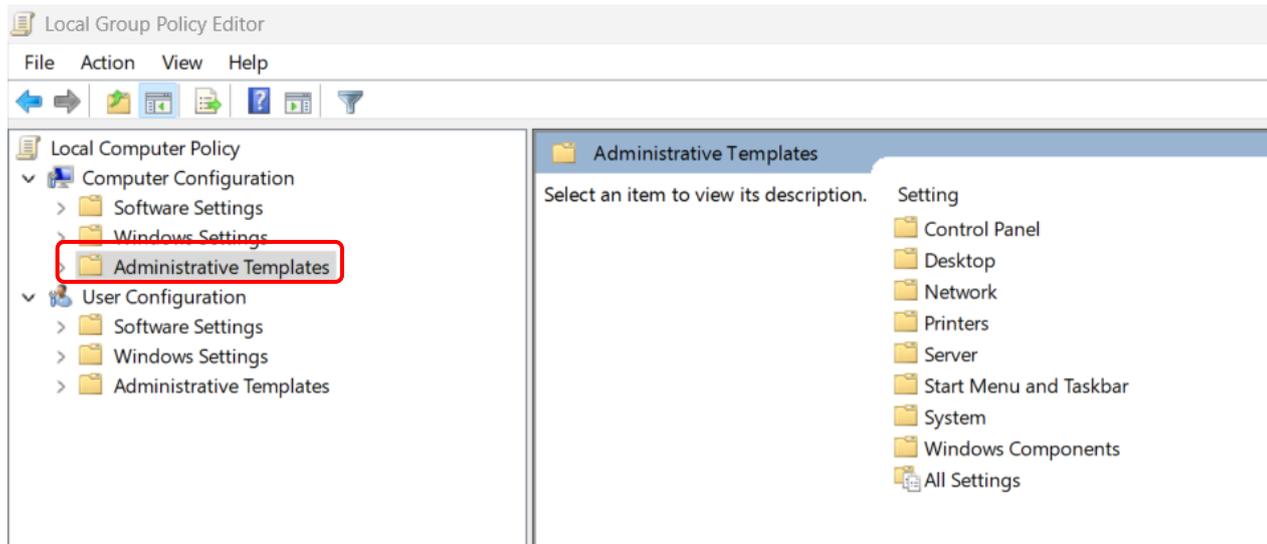
It is recommend the activation is performed by an administrator from the Local Group Policy Editor so end users are not able to accidentally disable from setting screen.

To enable WPP by following the next set of steps.

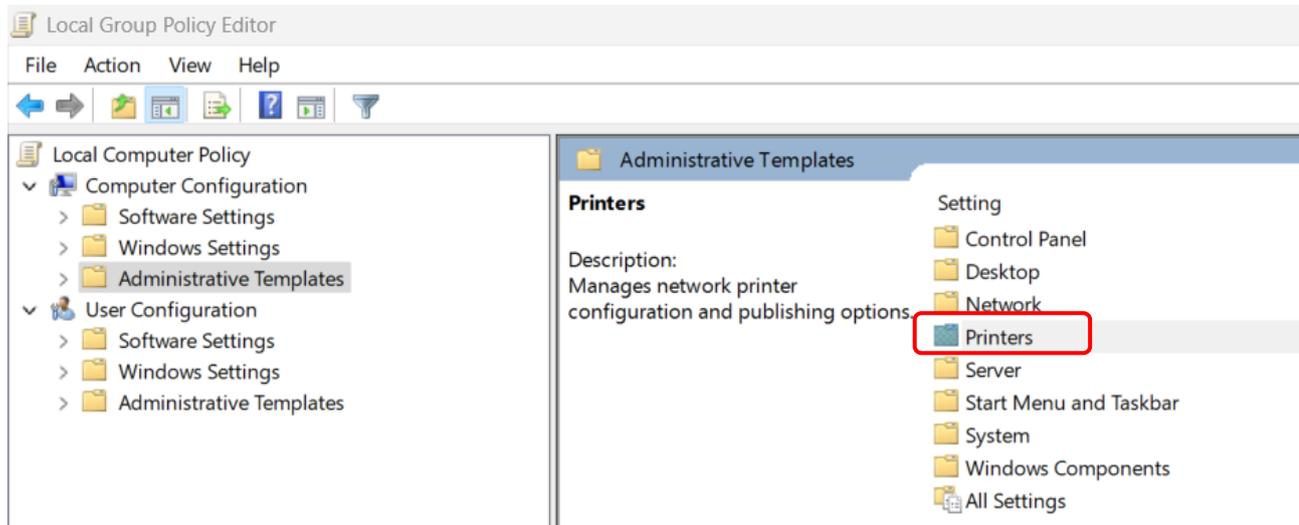
Open Local Group Policy Editor



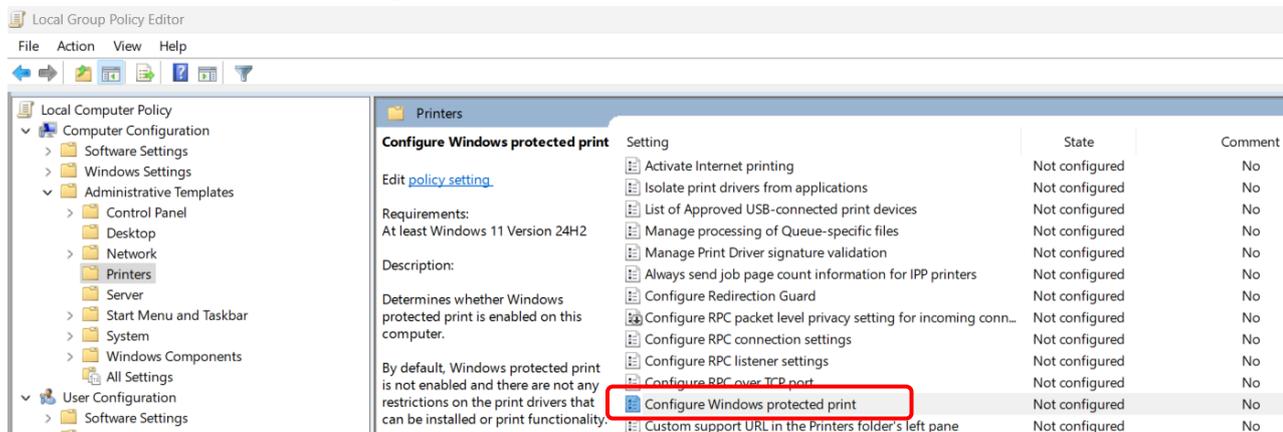
Select Administrative Templates



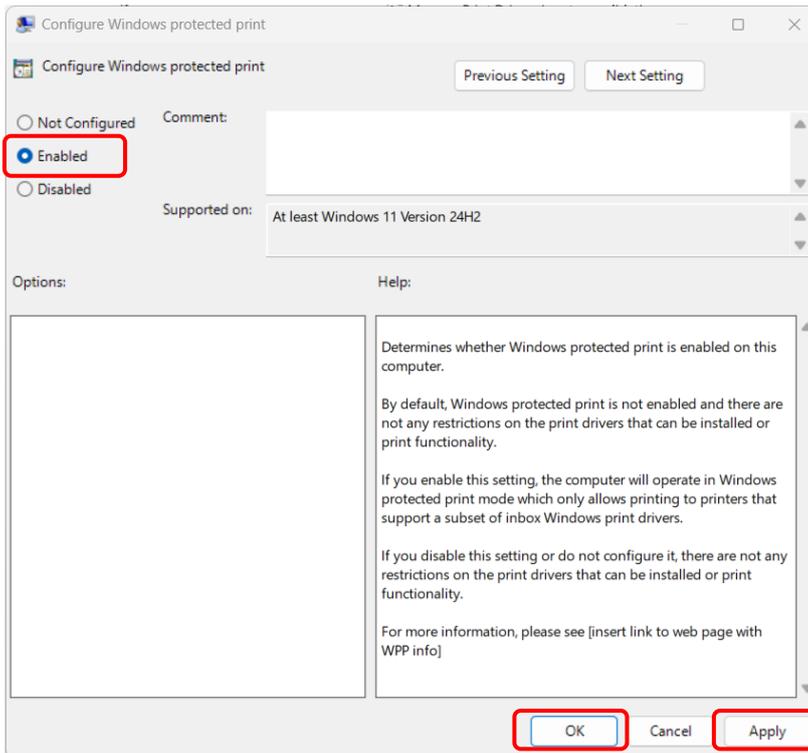
Select Printers



Inside of Printers Setting Tab down and select Windows Protected Print

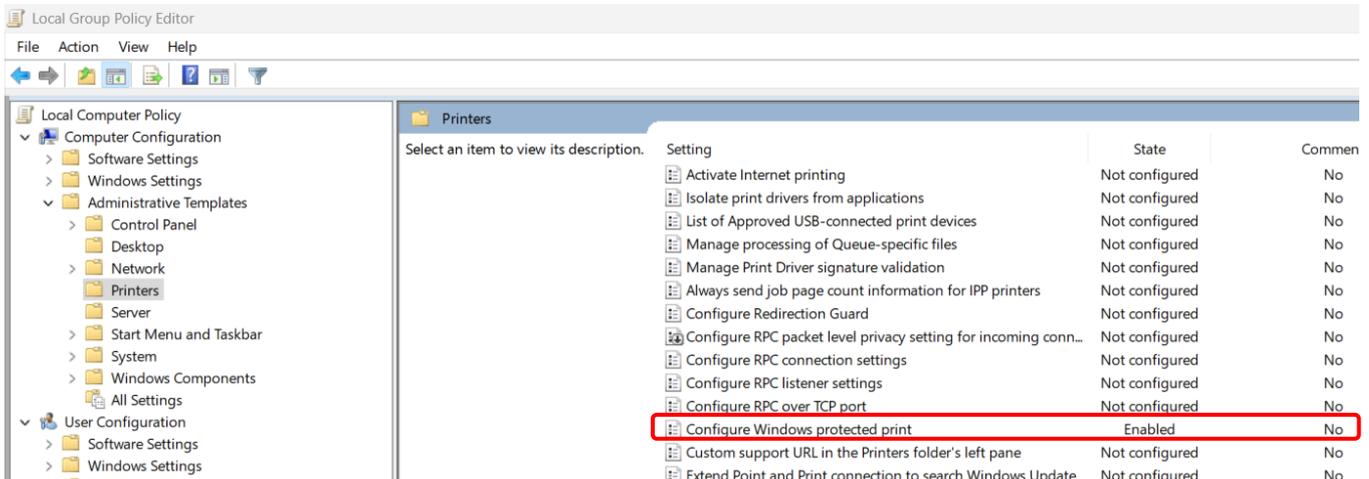


Select Enable then Apply and OK to Register the change.



After selecting OK you will see the status change to Enabled

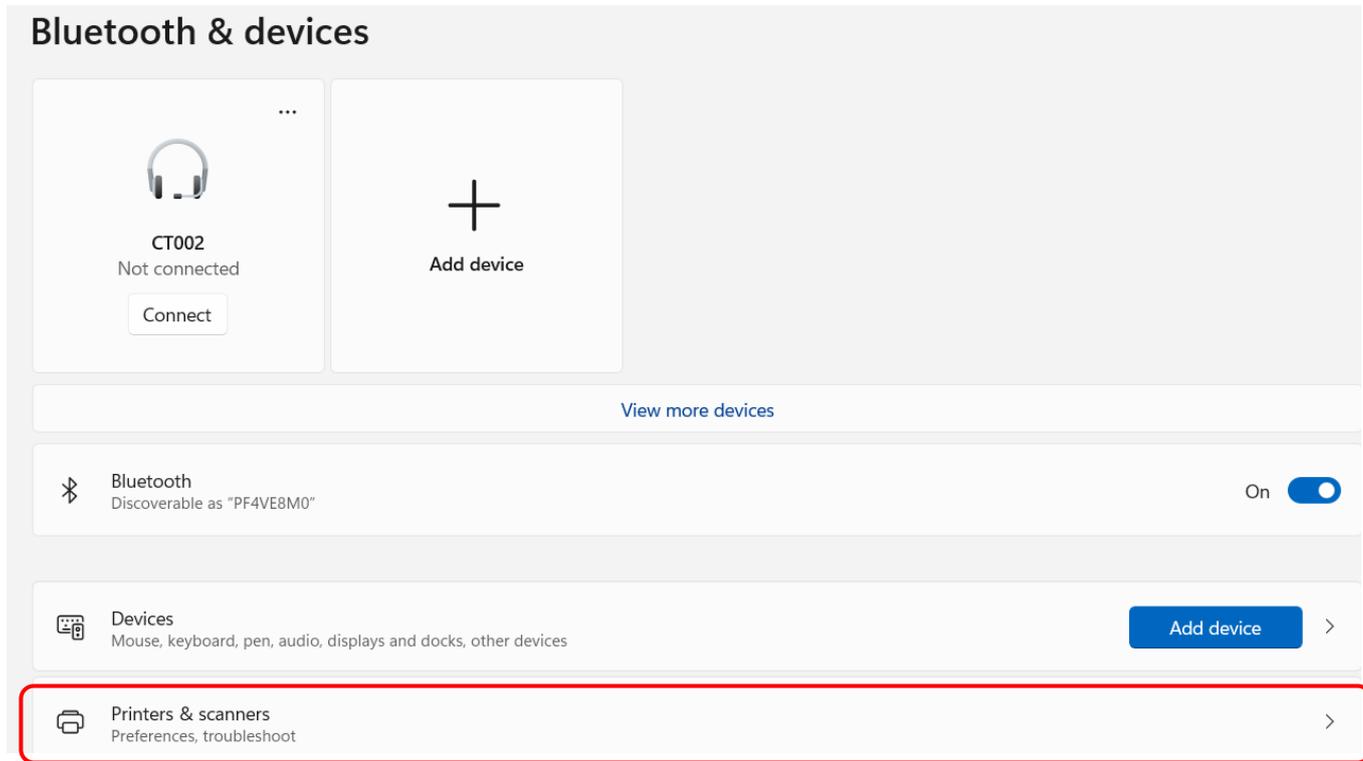
The Windows 11 PC requires a restart before adding print devices or errors will occur!



The Windows 11 PC requires a restart before adding print devices or errors will occur!

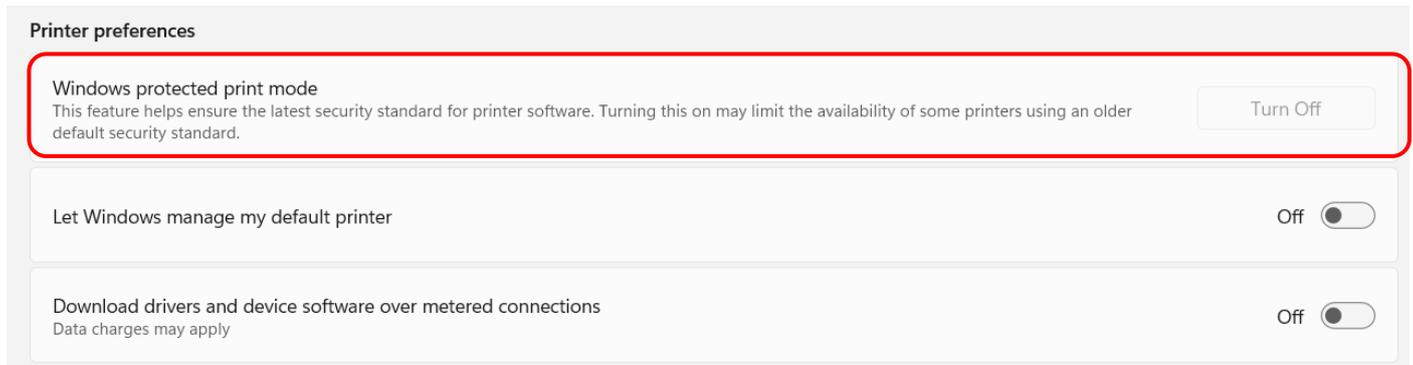
Confirming Windows Protected Print Mode is enabled

After you have restarted your Windows 11 PC , to ensure WPP was activated unders settings go to Bluetooth and Devices the select Printers and Scanners



You will see Windows Protected Print Mode

(Since we had WPP setup through Logical Group Policies, user will not be able to disable the mode from this screen to ensure they are WPP compliant)

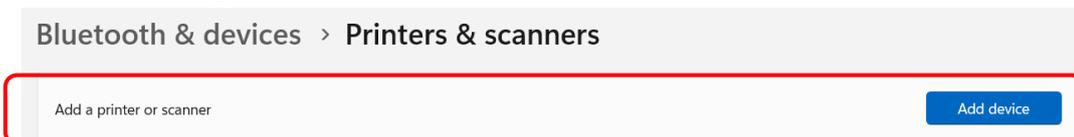


Setup the Printer/MFP

Ensure at this time that print devices being configured for WPP are active on the network with an on-line status and can communicate with the PC's being configured.

(Can be accomplished from the Command Prompt, Ping the printers that will be set-up)

Under "Setting" select Bluetooth & Devices then Printers and Scanners next add devices.



WPP will scan the network for Print and scan device to add to the Windows 11 PC.

Bluetooth & devices > Printers & scanners

 Kyocera ECOSYS PA2600cwx Printer	Add device
 Kyocera TASKalfa 3252ci Printer	Add device
 Kyocera ECOSYS M3860idnf Printer	Add device
 Kyocera ECOSYS M6635cidn Printer	Add device
 Kyocera ECOSYS M8130cidn Printer	Add device
 Kyocera TASKalfa 358ci Printer	Add device
 Kyocera TASKalfa 6053ci Printer	Add device
 Kyocera TASKalfa 3554ci Printer	Add device
 Kyocera TASKalfa 9003i Printer	Add device
 Kyocera ECOSYS MA2600cwfz Printer	Add device
 Kyocera TASKalfa 8001i Printer	Add device

Windows will automatically create the Printer, build the driver and configure the hardware options for the device. The Print Device will appear as the model and host name

Bluetooth & devices > Printers & scanners

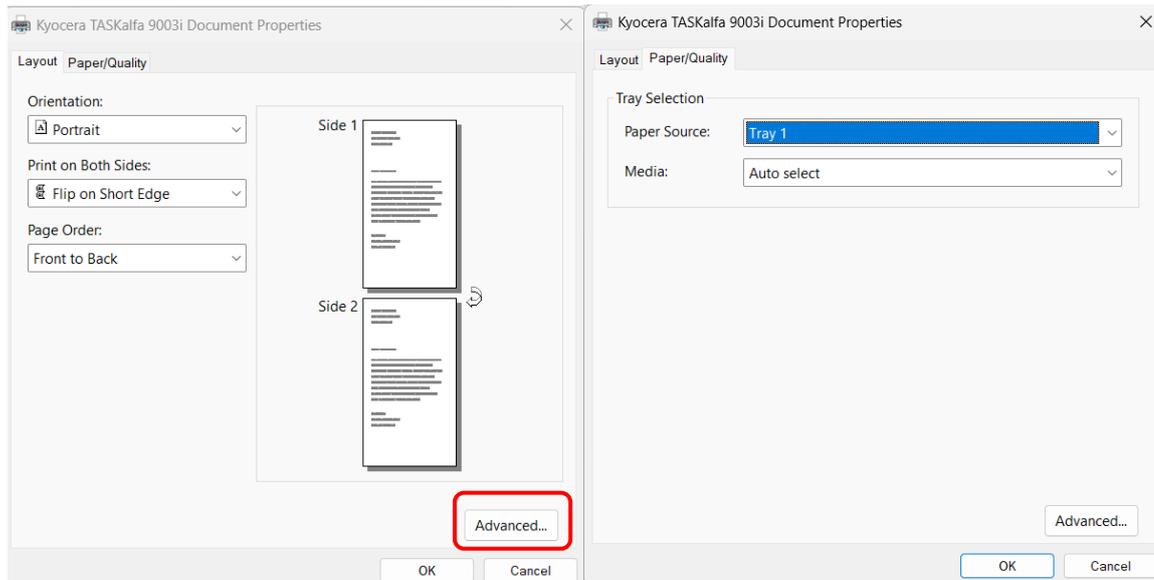
Add a printer or scanner Add device ^

 Kyocera:TASKalfa 9003i:KM891107

 Kyocera TASKalfa 3554ci KM9DAC98 Delete: 1 document waiting	Universal Print Driver (Not required showing it is supported)
 Kyocera TASKalfa 9003i Ready	WPP Printer
 Microsoft Print to PDF Ready	MS PDF Print

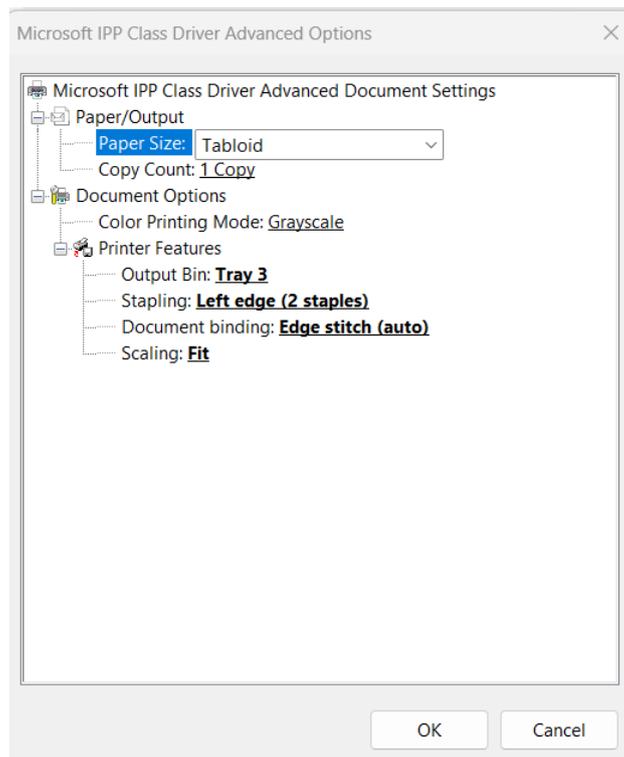
WPP Windows 11 User Graphics interface for Printer.

Default initial screen offerings with Advanced Key output options.



Advanced features offers:

- 29 different paper sizes
- All Cassette options
- Copy Counts to 9999
- Color and B&W Print Modes
- Finishing Features
 - Stapling/Hole Punch
 - Binding (Booklet)
 - Output Trays
 - Scaling



Clients utilizing WPP will require less management of the print system workflow management because of the integration of the printer profiles inside Windows 11.



About KYOCERA Document Solutions America, Inc.

Kyocera Document Solutions America, Inc. (<https://usa.kyoceradocumentsolutions.com>) is a group company of Kyocera Document Solutions Inc., a global leading provider of total document solutions based in Osaka, Japan. The company's portfolio includes reliable and eco-friendly MFPs and printers, as well as business applications and consultative services which enable customers to optimize and manage their document workflow, reaching new heights of efficiency. With professional expertise and a culture of empathetic partnership, the objective of the company is to help organisations put knowledge to work to drive change.

Kyocera Document Solutions Inc. is a group company of Kyocera Corporation (Kyocera), a leading supplier of semiconductor packages, industrial and automotive components, semiconductor packages, electronic devices, smart energy systems, printers, copiers, and mobile phones. During the year ended March 31, 2023, the Kyocera Group's consolidated sales revenue totalled 2 trillion yen (approx. US\$15.1 billion). Kyocera is ranked #672 on Forbes magazine's 2023 "Global 2000" list of the world's largest publicly traded companies, and has been named by The Wall Street Journal among "The World's 100 Most Sustainably Managed Companies."

[For MF communications, please consult with your internal risk or legal teams as to what additional language is appropriate.]