Configuring the print server for mobile device printing

Print Director supports printing from Android, Apple and Chrome OS devices using Secure IPP (IPPS) printing. These devices can detect the print queues on the network using service discovery (multicast DNS - mDNS).

Apple devices (iPhones, iPads, Macs) refer to this as 'Airprint' printing and are supported without the need for any extra software. Android devices require the installation of the Mopria Print Service. Chrome OS devices do not support authentication, so the administrator of the Google Workspace / Gsuite must change a setting that will allow Chrome OS to send the local user's account name when printing.

Enable mobile device printing on the print server

Before the mobile devices can send jobs to the server, we need to install the Bonjour service, enable the IPP service and specify which queues we want to 'advertise' to the devices.

Install the Bonjour service on the print server

In the Print Director CD **bin** folder, there are two Bonjour msi installer files. If the server is running a 64-bit operating system, run the Bonjour64.msi. Otherwise run the Bonjour.msi.

Ensure the IPP service is enabled on the PDAgent

In Resource Manager, click **PDAgents** and double click on the print server on the right. On the **Print services** tab, ensure the **Enable IPP** checkbox is ticked. If you made a change, click the **OK + Refresh** button.

PDAgent - NICOLASVR2012R2 - C X					
General Print services Cli	ent app Devices PDServers	Print Queues			
IPP & LPD services					
Enable IPP	SSL port: 9633 📫 Non	n SSL: 631 🚖			
Enable LPD	Port: 515 🜩				
LPD Job owner:	queuename{usemame} in LPR of	queue 🗸			
then try:	LPR usemame	~			
then try:		~			
Jobs that cannot be assigned to a queue from IPP/LPD info:					
Use this queue:	AdvertiseMobile	×			
🔽 Use Windows defa	ault spool folder				
Custom folder:					
Print job user authentication					
Use:	Use: Require authentication from PDAgent Client ~				
	Extract job owner username from job				
Replace job properties for	waiting jobs visible in Windows q	ueues			
Document name:	Secured document ID=%JobID%	%			
Job status:	%WaitReason%				
Job owner:	%UserFullName%				
OK + Refresh	Ok	Cancel			





Specify queues to be advertised

Now we can choose which queues to make available to the mobile devices. On the PDAgent form, click the **Print Queues** tab and double click the queue you want to advertise.

PDAgent - NICOLASVR2012R2 - 🗆 🗙								×	
	Gene	eral	Print services	Client app	Devices	PDServers	Print C	dueues	
	Queue name		PDAgent alias		Status		Matched device		
			NICOLASVR2012R2 Local LPD to		racking xc2235				

If this queue will be used by Chrome OS devices, choose **Use supplied username** from the **IPP Authentication** dropdown. Otherwise choose **Require username and password.**

Tick the Advertise on mDNS checkbox and click OK + Refresh.

🗟 Adve	rtiseMobile]	×
General	Windows queue	Deployment		
Prir	nt queue name:	AdvertiseMobile		
PD/	Agent:	NICOLASVR2012R2		
Mate	ch to Device:	xc2235 ~		
		Matched to Fiery IP address		
		Do not track this queue (no tracking)		
		Do not auto-match this queue to a device		
Sec	ure release:	Use matched device setting	~	
Alter	r to greyscale:	Change all jobs to black and white		
Alter	to duplex:	Change all jobs to duplex		.
IPP	Authentication:	Require usemame and password	~	
		🗌 Force relogin after 🛛 🚊 seconds		
Broa	dcasting:	Advertise on mDNS		
OK+	Refresh	ОК	Cano	el

Document revision date: 2024/07/19 Software version: 2.4.12.4 © 2024 Blue Swift Software CC



