

CPS Click2Map Queue Administration Manual

Version: 5.0





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1. Introduction

The queue administration is a powerful optional feature.

On one hand, it allows you to create print queues directly on target print servers, and deploy specific print settings to the print queues. (Point&Print)

On the other hand, it also allows to create print queues directly on the client workstations. (Peer2Peer). In this mode, CPS also forces the print driver installation by referencing to a reference print server, where the drivers are already installed.

Of course, you can have both, point&print and peer2peer queues managed by CPS Click2Map.

1.1. Requirements

In order to create queues on other servers or workstations, a service account is needed.

Point&Print mode

If you only work in point&print mode, the service user must have full administrative rights on all target print servers and on the server where *CPS Click2Map* is installed.

Peer2Peer mode

If you work in peer2peer mode, where local queues on the client workstations are to be created, the service user must have full administrative rights on the workstations and on the server, where CPS Click2Map is installed.

Mixed Mode

If you work in mixed mode (both, point&print as well as peer2peer) the service user must have full administrative rights on all target print servers and on the workstations, and on the server, where CPS Click2Map is installed.

Other than that, WMI access must not be blocked from the CPS Click2Map server to the print server and/or workstations. All program calls initiated from the CPS Click2Map server to the print servers and/or workstations are using WMI and Microsoft's PSEXEC utility.



2. Theory of operation

CPS uses a MySQL Database called "appclientqueues" to store the data imported or manually entered by you. Data uploaded (such as printer images and floor plans) will be stored directly within the web server file structure. The table "printers" can be considered as the main table within CPS. The full share name (combined share name and server name, eg. \\servername\sharename) serves as database key within the printer tables. Each printer can be assigned to an address- floor- and optionally a space/office record. The capabilities of the printer models are stored in the "models" table.

Please refer to the CPS Administration manual for more details.

In this manual we will cover the print server, queue generation and configuration file management tasks. The following CPS tables are involved in this tasks:



3. Getting started

3.1. Login

To connect to the backend of CPS, just add /admin to the URL you normally use to connect to the frontend. Eg. http://servername/QueueAdmin . Alternatively you can access the queue administration over the normal administration menu as well.

3.2. Administrative Settings

The CPS QueueAdmin tasks need administrative credentials to be setup, otherwise CPS would not be able to perform those tasks. To enter the administrative credentials and setup program defaults, choose "Set application credentials / Queue creation defaults" from the administrative tools menu.

Print Queue M Administration Manage print	lanagement n/ Tools t queue configuration files on credentials / Queue creation	defaults										
Set application credential	s											
In order for CPS to be able to perfor	m all administrative functions it needs administra	alive rights on the target print server(s)										
Server 2003 Credentials	Value	Description										
Server Admin Userid	SYSPRINT\STEVE	Enter the Userid which has administration rights on the server where you want to create queues. The user has to be entered in the form domainname/userid										
Password												
Password		Re-type the passw ord										
Alternate logon Server		If you specify an alternate logon server CPS will execute the printUL command (used to store and retrieve settings) on an alternate server. This may be nessesary, if the destination printserver does not allow logon locally										
Server 2008 Credentials	Value	Description										
Server Admin Userid	SYSPRINTADMINISTRATOR	Enter the Userid which has administration rights on the server where you want to create queues. The user has to be entered in the form domainname luserid										
Password												
Password		Re-type the passw ord										
Alternate logon Server		If you specify an alternate logon server CPS will execute the printUL command (used to store and retrieve settings) on an alternate server. This may be nessesary, if the destination printserver does not allow logon locally										
Eave	Back											

Enter the administrative credentials for both, windows 2003 and 2008 servers (can be the same for both, or can be different, even on different domains). The passwords will be transmitted and stored encrypted, to make sure nobody can capture the passwords.

The credentials entered here need to have full administrative rights on the print servers (in point&print mode) and to all client workstations (in peer2peer mode).

Note:

"2003" also covers Windows XP Server 2012 and Windows 10

"2008" also covers "2012", Windows Vista, Windows 7, windows 8.



Once your credentials have been saved, you can setup the other defaults.

Queue creation defaults

Parameter	Value	Description
Delete / Recreate Port		If checked, the IP Port will be deleted and recreated (if possible and not used by any other queues), If it is not checked, then the port will be created if it does not exist, and configured using port 9100.
Use LPR		If checked, the Ports for the Queues will be generated with LPR instead of TCP Port 9100.
Default LPR queue name	RAW	If LPR has been checked above, the LPR Ports will be generated with the LPR Queue name specified here. If omited, the queue name will also be used as LPR queue name.
Use SNMP		If checked, the IP Port will be configured using the SNMP community name specified below
SNMP community name	public	SNMP V2 community name
Publish in ActiveDirectory		If checked, the created queues will be shared and published in the ActiveDirectory. If unchecked, the queues will only be shared and not published.
Check Duplex		If checked, CPS will do an additional check after the queue configuration, to check if duplex is enabled. This setting should only be enabled here, of most of your queues are configured in duplex.
Print Test Page		If checked, a test page will be sent to the printer after the queue has been created.
Point&Print Mode		If Point&Print mode is checked, CPS Click2Map will create the queues on the specified printserver
Peer2Peer Mode		If Peer2Peer mode is checked, CPS Click2Map will NOT create queues on any Server, but on the workstations instead. Peer2Peer Mode requires a reference server (below) to be setup. For each Printer Model you must select a Queue on that reference server. If the printer driver is not present on the client, a temporary point8print queue will be setup to that reference server, to force the driver to be downloaded to the client. The servername specified on the queue will be ignored.
Mixed Mode		If mixed mode is checked, all queues which have anything else than "localhost" in the servername field, will be generated on the servers specified (point&print). All queues which have "localhost" in the servername field will NOT create queues on any Server, but on the vorkstations instead. Mixed Mode requires a reference server (felow) to be setup. For each Printer Model you must select a Ouce on that reference server. If the printer driver is not present on the client, a temporary point&print queue will be setup to that reference server, to force the driver to be downloaded to the client.
Reference print server		If you want to work in peer2peer mode, you need to specify the reference printserver name. This is the server which holds all reference queues and printer drivers

The default parameters are set for a standard point&print environment. IP Ports will be created using standard TCP/IP Port 9100 with SNMP.

If you want to use point&print mode only, you will have to make sure, that each print server has the proper drivers and driver versions installed, for both 32- and 64 Bit.

If you want to use mixed- or peer2peer mode, a reference print server must be specified. The reference print server must have all necessary print drivers installed, for both 32- and 64 Bit. For each printer model (and configuration) you are planning to use, one queue needs to be specified. When peer2peer queues are generated by CPS Click2Map, the client workstation will connect to that reference queue, if the driver is not present on the client workstation. This will force the driver installation on the client.



3.3. Configuration file generation and management

Print Queue Management	
Administration/ Tools	
Manage print queue configuration files	
Set application credentials / Queue creation defaults	

The printer models and configuration file names are inherited from the CPS backend. Configuration files are stored in the \\cpsserver\cfg shared directory on the CPS server. If the configuration file already exists, it will be highlighted in green. Missing configuration files are displayed with a yellow background.

To generate a new configuration file, we recommend to create the queue on a tests server manually, and setup the printing parameters as needed. After it has been verified, that the queue/printer is working correctly, you can generate a configuration file from that queue by entering the server- and share name of your test queue. CPS will connect to the server, retrieves the configuration and stores it using the file name displayed.

	•					
Printer Model	Current Floor Map Color	Default config file to be applied	Status	Create from Server	Create from Share Name	
HP Color LaserJet 500 M551	0	m551mono.cfg	configuration template exists.			Create
HP Color LaserJet 500 M575	0	m575.cfg	configuration template exists.			Create
HP Color LaserJet CLJ 9500	0	lj9500.cfg	configuration template exists.			Create
HP Color LaserJet CLJ 9500 small	0	lj9500small.cfg	configuration template exists.			Create
HP Color LaserJet CLJCM6040F MFP	•	cm6040mono.cfg	configuration template exists.			Create
HP Color LaserJet CM1415 MFP	0	cm1415mono.cfg	configuration template exists.			Create
HP Color LaserJet CM4540 MFP	0	cm4540mono.cfg	configuration template exists.			Create
HP Color LaserJet CP3505	0	cp3505mono.cfg	configuration template exists.			Create
HP LaserJet 500 M525	0	m525.cfg	configuration template exists.			Create
HP LaserJet 600 M602	0	m602.cfg	configuration template exists.			Create
hp LaserJet 9040	•	lj9040.cfg	configuration template exists.			Create
HP LaserJet LJ2430	0	lj2430.cfg	configuration template exists.			Create
hp Laserjet LJ2430 ettiketten	\bigcirc	lj2430eti.cfg	Configuration template does not exist! You can create one by entering the server- and share name and click create	sysprint-srv08	PRT051	Create
HP LaserJet LJ4345x	0	li4345.cfg	configuration template exists.			Create

Once you click on "create" the process will be displayed:

Printer Model > Configuration File generator

Printer Model > Configuration File generator

starting.. please wait.

...setting up WMI environment for a target server running on Server: 2008 - 32 Bit version using credentials: SYSPRINTADMINISTRATOR Running PSExec: PsExec.exe -accepteula \\sysprint-srv08\PRT051 /a \\EPRINT\cfg\]2430eti.cfg

> The configuration file lj2430eti.cfg has been created successfully!

Return to the Configuration File Generator - here





4. Print Queue tasks (Print Servers)

4.1. Creating, deleting or updating single queues



To deal with single queues, you can search for locations, server or queue names.

The "Last generation results" explains the current status of the queue. A status of "OK" indicated, that the queue has been generated by CPS. If you want to get more details, just move the mouse pointer over the status field. If you want to create a queue, click on the printer icon for the queue want to create.

Filter by	er by Location												Filter by Servername / Queuename										
Country:	untry: City: Street: Floor: Cubicle: Action Search for Qevenname Search other fields Generation Status Action:																						
SWITZER	LAND 🗸	SCHLIEREN	· ~ /	Gaswerkstrasse	6	✓ F5	✓ n	va		Reset Filter	Ī			~		ALL		~	search				
INFORMA	INFORMATION: Mixed mode is active. Only Point&Print queues can be managed here, Peer2Peer queue generation is initiated directly by the client workstations																						
« <	> >> Ni	umber of line:	a per page: 15	 Displaying 1 - 1 	l (of 1 queues	matching	your filter) Total Queues	s in Database: 2															
Server Name:	Share Name:	Queue:	IP Portname:	IP Address:	Disable BIDI:	Disable SNMP:	Driver:	Config:	Asset number:	Printer model:		Location:	Comment:	Last generation result:	Delete	Save Settings	Create Queue	Update Config	Check duplex config				
14K-AP01	test2ops	test2cps	192.168.200.69	192.168.200.69			HP Universal Printing PCL 6 (v6.0.0)	m675.cfg	45	HP MS75		V Import Lokation	testK1	OK - 12-08-15 / 23.47	×		8	Ð					
	Back																						

The example below shows the information displayed while creating a queue. If you create an already existing queue, the queue will be deleted and re-created.



Note: If just want to update the configuration for a queue, you can click on the "update" icon. You should do this only, if the printer driver is exactly the same, otherwise unpredictable results may occur. If you are not sure, better re-create the queue !

Existing printers can be deleted as well here. You should delete only if you're 100% sure! If you delete a printer here, it will not only delete the queue from the server, but also remove the printer from the CPS database, including address assignment and floor mapping. If you just want to move the queue over to another server you should use "Move Queues / Change Queues" function instead!

4.2. Mass Queue Creation



Mass queue creation works the same way as single queue creation, but it allows you to generate or reconfigure several queues in one shot.

Select the queues by searching for location, or server name. Uncheck the queues, you don't want to generate and click "Generate" or "Reconfigure" when you're ready.

Note: The mass queue generation can take from minutes up to hours, depending on the amount of queues to be generated. The processing speed is dependent on the load and speed on the target server, and on the printer driver used. The maximum number of queues which can be created in one shot also depends on how high you have set the "Lines per page" value (1). The maximum is 1000. If you generate a lot of queues on one server - especially on one which has not been rebooted lately - we recommend to set the "restart spooler before generation" checkbox (2). Experiences have shown, that the generation runs faster, if the spooler is restarted first.

Filter by Loc	ilter by Location											Filter by Servername / Queuename								
Country:	City: Street: Floor: Cubicle: Action Search for Queuename Search for Servername Search for Servername Search for Servername												fields Generation Status	Generation Status Action:						
SWITZERLAND	V SCH	ILIEREN	~	Gaswerkstrasse 6	✓ F5	✓ ni	/a	Reset Filte	er			~		ALL	~	search				
INFORMATION:	FORMATION: Mixed mode is active. Only Point&Print queues can be managed here, Peer2Peer queue generation is initiated directly by the client workstations																			
			1					Back		G	Generate!	Reconfigu	ure							
«< >»	Lines pe	r page:	15 Y Display	ring 1 - 1 (of 1 queues	matching your filter)	Fotal Queues in Da	tabase: 2	Check duplex setti	ngs (duplex o	ueues only))? 🗌 r	estart spooler before generati	on? 🗲	_ 2						
Server Name:	Share Name:	Queue:	IP Portname:	IP Address:	Driver:	Config:	Asset number:	Printer model:	Location:		Comment:	Last generation result:	Include Queue							
14K-AP01	test2cps	test2cps	192.168.200.69	192.168.200.69	HP Universal Printing PCL 6 (v6.0.0)	m575.cfg	45	HP MS75	Import Lokati	2n	testK1	OK - 12-08-15 / 23.47	V							

The progress will be shown on the screen:



Note: If one or more queues cannot be generated because of missing drivers on the target servers or other reasons, the process will still continue. The overall result will be shown at the end of the process.

The List of queues will also show, if there was a problem. A yellow status means that there is some action needed. If you move the mouse over the status field, you will see more detailed information.

Server Name:	Share Name:	Queue:	IP Portname:	IP Address:	Driver:	Config:	Asset:	Model:	Location		Comment:	Last generation result:	Create Queue	1
HK-AP01	PRT052	PRT052	prt052.sysprint.local	prt052.sysprint.loc	HP Universal Printing PCL 6 (v 5.5.0)	m602.cfg	52	HP LaserJet 600 M602	 Administration 	•	Oliver Reguin	ок		
HK-AP01	PRT053	PRT053	prt053.sysprint.local	prt053.sysprint.loc	HP Universal Printing PCL 6 (v 5.5.0)	m9060.cfg	53	HP LaserJet M9050 MPP	 Administration 		Broschürendrucker / Algemei	n missing config file	1	
14K-AP01	PRT058	PRT058	prt056.sysprint.local	prt056.sysprint.loc	HP Universal Printing POL 6 (v.5.2)	(2430.cfg	58	HP LaserJet LJ2430	• Studio		Steve / Studio	Driver missing!	127	L
I4K-AP01	PRT058	PRT058	prt058.sysprint.local	prt058.sysprint.loc	HP Universal Printing PCL 6 (v5.5.0)	p2065.cfg	58	HP LaserJet P2055	 Technik 	Mod	lified by Workstation: \	NKS-045 2012-11-04		
										Mod	lify Time: (00:16:35		
										Log		ERROR: The needed dr	iver HP Univ	ersal Printing PC

4.3. Move / Change Queues

	Print Queue Management
	1 Create or delete single CPS managed print queues
	Mass Queue Creation by location and/or server name
	Move Queues / Change Queues 🛛 🚽
	Delete Queues marked for deletion
	Logs
E C	Administration/ Tools

This database-only function allows to rename existing queues or move them to another server while retaining existing address / floor mappings. Orphaned queues will be added to a table for later deletion.

Method 1: renaming a single queue

If you just want to rename an existing queue, you search for the queue by name, server and/or address. Under "Choose destination server from list" select "as indicated below". Overtype the queue you want to rename. If you're planning to remove the old queue name later on by CPS, then also select "Mark old queue for deletion". Warning: select "reset location assignment" only, if you really want to reset the address- and floor map assignments. Click on "execute" to start, once you're finished with your setup.

Global settings for	r the change opera	ation				/			
Choose destination service from list	ver Use a new destination server	Mark old queue for deletion	Reset location assignment		Action:				
-as indicated below -	-		Warning: This will reset the addr	ess- and floor map settings!	execute	back			1
	~								
Server Name:	Share Name:	Queue:	IP Portname:	IP Address:	Model:	Location:	Comment:	Last generation result:	Change Queue
HK-AP01	PRT051NEW	PRT051NEW	prt051.sysprint.local	prt051.sysprint.local	HP LaserJet P3015	Buchhaltung	Sladana Gligorevic	ок	
HK-AP01	PRT052	PRT052	prt052.sysprint.local	prt052.sysprint.local	HP LaserJet P3015	Administration	Oliver Reguin	ок	
HK-AP01	PRT053	PRT053	prt053.sysprint.local	prt053.sysprint.local	HP Color LaserJet CLJCM6040F	Administration	Broschürendrucker / Allgemei	ок	
4K-AP01	PRT056	PRT056	prt056.sysprint.local	prt056.sysprint.local	HP LaserJet P3015	Studio	Steve / Studio	ок	
4K-AP01	PRT058	PRT058	prt058.sysprint.local	prt058.sysprint.local	HP LaserJet M5035 MFP 👻	Technik	Technik / Rapporte	ок	

This usually only takes a second or so, since it is a database only operation. When finished, a confirmation will be shown:

MOV	E/CHANGE QUEUES
Existin PROC Queue Enors Total ((2) States: MacAPOTPRTIST 1 – Addin - Stove or share name changed - New share name. WACAPOTPRTIST 102: 102 share name. UACAPOTPRTIST mailed for devices a processed 1 (New State) - New State - New State - New State - New State - New State - New State - New State - New
Note: Oo ba	W least one genue (server/share) has been changed You should generate those genues areas

Note: This will NOT generate the new queue. The new queue will have the status "unknown" and you will need to generate it again over the single- or mass creation menu.

																/					
Server Name:	Share Name:	Queue:	IP Portname:	IP Address:	Driver:	Config:	Asset:	Model:		Location:	Comr	nent:	Last g result	eneratio	" _	Delete	Save Setting	Cre Is Que	ate ue	Update Config	
14K-AP01	PRT051NEW	PRT051	pr1051.sysprint.local	prt051.sysprint.loc	HP Universal Printing PCL 6 (v5.5.0)	p3015.cfg	61	HP LaserJet P3015	•	Buchhaltung	Sladan	a Oligorevic	unkno	wn	-	×	- 🔛	6	3	Ð	
14K-AP01	PRT052	PR7052	prt052.sysprint.local	prt052.sysprint.loc	HP Universal Printing PCL 6 (v5.5.0)	p3015.cfg	62	HP LaserJet P3015	•	Administration	Olver	Modified by Wo	orkstati	on: W	/KS-04	5					
14K-AP01	PRT053	PR7053	prt053.sysprint.local	prt053.sysprint.loc	HP Universal Printing PCL 6 (v5.5.0)	cm0040mono.ofg	63	HP Color LaserJet CLJCM6040F	•	Administration	Brosch	Modify Date:		2	012-11	-03					
14K-AP01	PRT058	PR7058	prt056.sysprint.local	prt056.sysprint.loc	HP Universal Printing PCL 8 (v5.5.0)	p3015.cfg	58	HP LaserJet P3015	•	Studio	Stere	Log:		ŝ	ervero	, rshare i	name ch	anged	New	share nar	me: I4K-AP01PRT051NEW - Old share name: I4K-AP01PRT051
HK-AP01	PRT058	PRT058	prt058.sysprint.local	prt058.sysprint.loc	HP Universal Printing PCL 6 (v5.5.0)	m5035.cfg	58	HP LaserJet M5035 MFP	•	Technik	Techni	/ Rapporte	ок			×			1	Ð	

Method 2: moving several queues to a new server

If you need to move several or all queues from an existing sever to a new server, the way to do it quite similar to method 1:

- 1. Select the old server and click on "search".
- 2. If the new server is already known to CPS, you can select it from "Choose destination server from list". Else type the new server name in the field "Use a new destination Server".
- 3. Click on "execute".

NOVE / CHANGE G	UEUES				inda ana di				
Filter by Location	are are calabase change	s only il you move of chai	ige queues, you will have to h	e-generate ment over me s	angre- or more queue manageme	m menu.	Filter by Serverna	ame / Queuenan	ne
Country: Cr SWITZERLAND •	y:	Street:	Floor:	Space •	e / Office: Acti	on Reset Filter	Search for Queuename	Bearch for Server	name Se
Global settings for	the change operat	ion ²			3				
Choose destination serve from list	r Use a new 📕	Mark old queue for deletion	leset location assignment		Action:				
-as indicated below -	TULAZ1	V	Warning: This will reset the address	s- and floor map settings!	execute	back			
Server Name:	Share Name:	Queue:	IP Portname:	IP Address:	Model:	Location:	Comment:	Last generation result:	Change Queue
HK-AP01	PRT051NEW	PRT051NEW	prt051.sysprint.local	prt051.sysprint.local	HP Laser Jet P3015	Buchhaitung	Sladana Gligorevic	ок	V
HK-AP01	PRT052	PRT052	prt052.sysprint.local	prt052.sysprint.local	HP LaserJet P3015	Administration	Oliver Reguin	ок	1
HK-AP01	PRT053	PRT053	prt053.sysprint.local	prt053.sysprint.local	HP Color LaserJet CLJCM6040F	Administration	Broschürendrucker / Algemein	ок	V
HK-AP01	PRT056	PRT056	prt056.sysprint.local	prt056.sysprint.local	HP LaserJet P3015	 Studio 	Steve / Studio	ок	V
HK-AP01	PRT058	PRT058	prt058.sysprint.local	prt058.sysprint.local	HP Laser Jet M5035 MFP	Teshnik	Technik / Rapporte	ок	V

As in method 1, the operation will be confirmed. Please note, that CPS would deny the operation, if the destination queue already exists.

MOVE / CHANGE QUEUES
Earling Dave 1864-6910 FPTS 1964 INFU - Advan - Sever or Shark name draged - Neu rhan name 1814-6470 FPTOS INFU - dol hark name 1846-6470 FPTOS INFO - dol hark name 1846-6470 FPTOS in basis for delete Earling Dave 1864-6910 FPTOS - Advan - Sever or shark name draged - Neu rhan name 1814-6470 FPTOS in Col hark name 1846-6470 FPTOS in basis for delete Earling Dave 1864-6910 FPTOS - Advan - Sever or shark name draged - Neu rhan name 1814-6470 FPTOS in Col hark name 1846-6470 FPTOS in Basis for delete Earling Dave 1846-6470 FPTOS - Advan - Sever or shark name draged - Neu shark name 1814-6470 FPTOS in Basis for delete Earling Dave 1846-6470 FPTOS - Advan - Sever or shark name draged - Neu shark name 1814-6470 FPTOS in Basis for delete Earling Dave 1846-6470 FPTOS - Advan - Sever or shark name draged - Neu shark name 18142 FPTOS - Od shark name 1846-6470 FPTOS in Basis for delete Earling Dave 1846-6470 FPTOS - Advan - Sever or shark name draged - Neu shark name 18142 FPTOS - Od shark name 1846-6470 FPTOS in Basis for delete Earling Dave 1846-6470 FPTOS - Advan - Sever or shark name draged - Neu shark name 18142 FPTOS - Od shark name 1846-6470 FPTOS in Basis for delete Daves processes 1 Earling Dave 1846-6470 FPTOS - Advan - Sever or shark name draged - Neu shark name 18142 FPTOS - Od shark name 1846-6470 FPTOS in Basis for delete Daves processes 1 Earling Dave 1846-6470 FPTOS - Advan - Sever Os the mark draged - Neu shark name 1814-6470 FPTOS - Marked for delete Daves processes 1 Earling Daves 1846-6470 FPTOS - Advance 1846-6470 FPTOS - Delete 1846-6470 FPTOS -
Note: Af least one queue (server/share) has been changed! You should generate those queues asap
Go back here

Please note: you will need to re-generate the "new" queues!

Gene	rate!	\mathbf{z}	Back									
Server Name:	Share Name:	Queue:	IP Portname:	IP Address:	Driver:	Config:	Asset:	Model:	Location:	Comment:	Last generation result:	Create Queue
TULAZ1	PRT051NEW	PRT051	prt051.sysprint.local	prt051.sysprint.loc	HP Universal Printing PCL 6 (v 5.5.0)	p3015.cfg	51	HP LaserJet P3015	Buchhaltung	Sladana Gligorevic	unknown	V
TULAZ1	PRT052	PRT052	prt052.sysprint.local	prt052.sysprint.loc	HP Universal Printing PCL 6 (v 5.5.0)	p3015.cfg	52	HP LaserJet P3015	Administration	Oliver Reguin	unknown	V
TULAZ1	PRT053	PRT053	prt053.sysprint.local	prt053.sysprint.loc	HP Universal Printing PCL 6 (v 5.5.0)	cm8040mono.cfg	53	HP Color LaserJet CLJCM6040F 🔻	Administration	Broschürendrucker / Allgemein	unknown	
TULAZ1	PRT056	PR T056	prt056.sysprint.local	prt056.sysprint.loc	HP Universal Printing PCL 6 (v 5.5.0)	p3015.cfg	58	HP LaserJet P3015 🔹	Studio	Steve / Studio	unknown	
TULAZ1	PRT058	PRT058	prt058.sysprint.local	prt058.sysprint.loc	HP Universal Printing PCL 6 (v 5.5.0)	m5035.cfg	58	HP LaserJet M5035 MFP 🔹	Technik	Technik / Rapporte	unknown	



4.4. Delete queues marked for deletion



If queues are marked for deletion, you can delete them safely. CPS checks if the queue really does no longer exists in the main CPS database.

DELETE QUEUES MAR	KED FOR DELETION		
Global settings for the d	elete operation	× 1	
Force delete from database?	entry will be deleted from the database also,	f server delete operation fails execute	back
Full Share Name	Location:	Comment:	Delete Queue
W4K-AP01VPRT051	Buchhaltung	Sladana Gligorevic	V
W4K-AP01VPRT051NEW	Buchhaltung	Sladana Gligorevic	V
W4K-AP01VPRT052	Administration	Oliver Reguin	
W4K-AP01VPRT053	Administration	Broschürendrucker / Allgemein	V
W4K-AP01VPRT056	Studio	Steve / Studio	V
W4K-AP01/PRT058	Technik	Technik / Rapporte	

Note: If the queues cannot be deleted anymore (for example because the server no longer exists), you can check the "Force" checkmark. This will force the entries out of the "deleted" database also if the delete operation fails.



5. Logs



CPS logs all queue manipulations. You can search by date, queue- or server name and you can filter the type of log information displayed.

Search for log entries												
Date >= (US	Format, eg.	2012-05-15)	Date <= (US F	Format, eg. 201	2-05-20)	Filter by Return Code		Filter by Server I	lame	Filter by Queue Name		
						System Informational Me	ssages 🔻		-		search	
Date	Time	Share Name		Queue Name	Asset Nr	Location	Status		Message			
2012-11-04	00:18:35	\\I4K-AP01\PR	058	PRT058	58	Technik	System Informat	ional Message	IP port changed	- New port: prt058.sysprint.local - Old	l port: prt058.sysprint.local1	
2012-11-04	00:18:26	W4K-AP01\PRT058		PRT058	58	Technik	System Informational Message		IP port changed - New port: prt058.sysprint.local1 - Old port: prt058.sysprint.local			
2012-11-03	23:45:38	\\I4K-AP01\PRT053		PRT053	53	Administration	System Informational Message		Started single Queue migration, setting up WMI			
2012-11-03	23:43:37	\\\4K-AP01\PRT058		PRT058	58	Technik	System Informational Message		Model changed - New model: HP LaserJet 600 M602 - Old model: HP LaserJet M5035 MFP			
2012-11-03	23:43:37	\\\4K-AP01\PRT056		PRT056	56	Studio	System Informat	System Informational Message		Model changed - New model: HP LaserJet 600 M602 - Old model: HP LaserJet P3015		
2012-11-03	23:43:37	\\4K-AP01\PR	053	PRT053	53	Administration	System Informat	ional Message	Model changed	New model: HP LaserJet 600 M602 -	Old model: HP Color LaserJe	at CLJCM6040F MFP
2012-11-03	23:43:37	W4K-AP01\PRT052		PRT052	52	Administration	System Informat	System Informational Message		Model changed - New model: HP LaserJet 600 M602 - Old model: HP LaserJet P3015		
2012-11-03	22:18:12	\\I4K-AP01\PRT058 PF		PRT058	58	Technik	System Informational Message		Server or share name changed - New share name: \I4K-AP01PRT058 - Old share name: \TULAZ1PRT			name: \TULAZ1PRT058
2012-11-03	22:18:12	\\I4K-AP01\PR	056	PRT056	56	Studio	System Informat	ional Message	Server or share	name changed - New share name: \\4	K-AP01PRT056 - Old share	name: \TULAZ1PRT056



6. Local Queues (Peer2Peer)

In order to use CPS Click2Map to create local queues, "mixed mode" or "peer2peer" mode must be active in the administrative settings of the Queue Administration Backend. (mixed mode is active by default).

The service user credentials must have administrative rights on the CPS Click2Map server and on all workstations! WMI must not be disabled or blocked by a firewall between the CPS Click2Map server and the client Workstations. All WMI calls will be initiated by the CPS Click2Map server.

The following steps will be executed, when the user connects a peer2peer printer:

- A WMI connection to the client workstation will be initiated from the CPS Click2Map server.
- A check for the needed printer driver will be made. If the printer driver is not present on the workstation, CPS Click2Map will do the following **:
 - A point&print connection to the specified reference queue on the reference server will be forced from the client workstation. This will automatically download the driver from the reference server to the client.
 - After the reference queue is connected, CPS will delete the point&print mapping again. (The driver will remain on the client workstation).
- If the queue already exists on the client workstation, it will be deleted
- The queue will be created on the client workstation •
- The configuration file will be applied on the newly created queue on the client workstation •
- The user will be asked, if he wants to have the new queue as default. If yes, a Vbscript will be • downloaded to the clients workstation, which has the code to set the new queue as default.

** We recommend to have the driver deployed to the client workstations through your usual software distribution tools. This is faster and more reliable.

The following is an example of a generation process. This is how the client PC sees it:



The user can also delete local queues created over CPS Click2Map. Example:





6.1. Administrator Options for local Queues



Introduced in version 5.0, CPS Click2Map now contains a database table with all gueues created by the users on their workstations. (Upgrading to version 5 will create this table from the log files.)

The filtering options will help you to find what you need. You can still use the location filters to see all local printers and the workstations that have created one or more local queues. If you want to know, which workstations have created a specific queue, just enter the queue name. If you want to know all the printers that have been created on a specific workstation, select the workstation from the dropdown menu.



If anything has changed on the "Master" configuration (The entry called \\localhost\printername), differences compared to what it was, when the client has created the queue on he's workstation, will be highlighted in yellow. An example could be a different config file, printer model or even driver.

You can force a reconfiguration of the queue on the client workstation (assumed that it is powered on and connected to the network). Note: A driver change will only work, if the new driver is present on the client workstation in this case.

You can also delete queues created over Click2Map on the client workstations (also assuming that the workstation is powered on and connected to the network).

