Installing network printer in Ubuntu 16.04

Example network printer: Brother DCP-L2540DW (Static IP: 192.168.1.20)

Adding the printer: Settings > Printer > Add

Device shows printer twice. Selecting first options show's Host etc. Notice the odd "Host" name, this also becomes the "Device URI" later.

*Note: I can install successfully if I replace the Host name with IP address. Or change it after it's installed from the "BRN30055C829554" number shown.

Devices	Location	of the LPD network printe	r
Enter URI • Network Printer	Host: Queue:	BRN30055C829554 BINARY P1	Probe
Brother DCP-L2540DW (BRN3005 Brother DCP-L2540DW (BRN3005 Find Network Printer		DINART_FT	
Windows Printer via SAMBA AppSocket/HP JetDirect Internet Printing Protocol (https) Internet Printing Protocol (ipp) Internet Printing Protocol (ipp14 LPD/LPR Host or Printer Internet Printing Protocol (ipps)	* Connect	ion	
	Connecti		
	LPD/LPR	queue 'BINARY_P1'	

Second options looks like this:

Devices	Description	
Enter URI Network Printer Brother DCP-L2540DW (BRN3005 Brother DCP-L2540DW (BRN3005 Find Network Printer Windows Printer via SAMBA AppSocket/HP JetDirect Internet Printing Protocol (https) Internet Printing Protocol (ipp) Internet Printing Protocol (ipp14 LPD/LPR Host or Printer		
Internet Printing Protocol (ipps)	* Connection	
	Connections	
	LPD network printer via DNS-SD	
	IPP network printer via DNS-SD	

I choose the first printer option as it's the default, and click "Forward". This is my next screen.

😣 🖱 🗊 New Printer			
Choose Driver			
For the printer you have	e selected th	ere are drivers available for do	wnload.
		our operating system supplier the support and license terms	
Select Driver			
Downloadable Drivers	Supplier:	Gutenprint project	Manufacturer
gutenprint	License:	GPL 🗍 Patented algorithm	s 🗹 Free software
Local Driver			
	Descriptior	: Top Quality Printer Drivers f sublimation printers, and PC	
	Support:	- Gutenprint mailing list at S (https://lists.sourceforge.ne gimp-print-devel, voluntary)	et/lists/listinfo/
	• Output (Quality	
		Back	Cancel Forward

I click "Forward".

I select "Brother" and click "Forward".

😣 🖻 💷 New Printer
Choose Driver
O Select printer from database
O Provide PPD file
Search for a printer driver to download
The foomatic printer database contains various manufacturer provided PostScript Printer Description (PPD) files and also can generate PPD files for a large number of (non PostScript) printers. But in general manufacturer provided PPD files provide better access to the specific features of the printer.
Makes
Generic (recommended)
Alps
Anitech
Apollo
Apple
Brother
Canon
CIAAT
Citizen
Citoh
Compaq
Dai
Datamax-ONeil
Back Cancel Forward

My printer (Brother DCP-L2540DW) is not shown, so I pick any DCP type printer, pray the driver is compatible (which it usually is), and click "Forward".

Models	Drivers
DCP-1200	Brother DCP-7045N BR-Script3 [en] (re
DCP-7010	Brother DCP-7045N Foomatic/Postscr
DCP-7020	•
DCP-7025	
DCP-7030	
DCP-7045N	
DCP-7055	
DCP-7065DN	
DCP-8020	
DCP-8025D	
DCP-8040	
DCP-8045D	
DCP-8080DN	
DCP-8085DN	
DCP-9010CN	
DCP-9040CN	
DCP-9045CDN	
HJ-400	
HL-4Ve	
HL-8	
HL-10h	

I click "Apply"

🕽 🖨 🗊 New Printer
Describe Printer
Printer Name
Short name for this printer such as "laserjet"
Brother-DCP-7045N
Description (optional) Human-readable description such as "HP LaserJet with Duplexer"
Brother DCP-7045N
Location (optional) Human-readable location such as "Lab 1"
BRN30055C829554
Back Cancel Apply

The printer is installed but pages <u>do not</u> print.

Here is what the default printer properties look like.

Settings	Settings	
Policies Access Control	Description:	Brother DCP-7045N
Printer Options	Location:	BRN30055C829554
Job Options Ink/Toner Levels	Device URI:	[lpd://BRN30055C829554/BINAR] Change
	Make and Model:	Brother DCP-7045N BR-Script3 Change
	Printer State:	Processing - Unable to locate printer "BRN30
	Tests and Maintena	ance
	Print Test Page	Print Self-Test Page Clean Print Heads

The Device URI appears incorrect. If I click "Change" for the Device URI, and select the HOST field. I change it to the printer IP, and click "Apply".

Devices	Location of the LPD network printer
Current device (Current)	Host: BRN30055C829554
Enter URI Network Printer Brother DCP-L2540DW (BRN3005 Brother DCP-L2540DW (BRN3005 Find Network Printer	Queue: BINARY_P1
Windows Printer via SAMBA AppSocket/HP JetDirect Internet Printing Protocol (https) Internet Printing Protocol (ipp) Internet Printing Protocol (ipp14 LPD/LPR Host or Printer Internet Printing Protocol (ipps)	 Connection Connections LPD/LPR queue 'BINARY_P1'

Devices	Location of the LPD network printer	
Current device (Current) Enter URI • Network Printer	Host: 192.168.1.20	Probe
	Queue: BINARY_P1	
	* Connection	
	Connections	

Now printer properties changes to this for Device URI (lpd://192.168.0.20/BINARY_P1) which you could also enter manually.

Settings Policies	Settings	
Policies Access Control	Description:	Brother DCP-7045N
Printer Options	Location:	BRN30055C829554
N F	Device URI:	lpd://192.168.1.20/BINARY_P1 Change
	Make and Model:	Brother DCP-7045N BR-Script3 Change
	Printer State:	Idle - Data file sent successfully.
	Tests and Maintena	ince
	Print Test Page	Print Self-Test Page Clean Print Heads

After updating the Device URI to the IP address I can now print successfully!