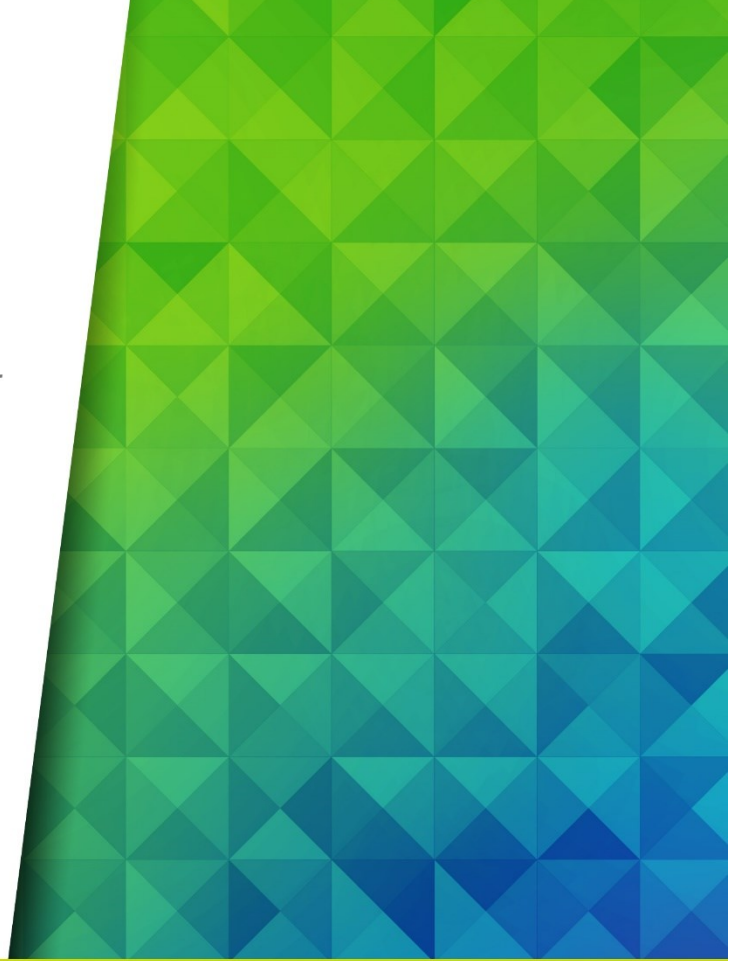




**LRS**<sup>®</sup>  
OUTPUT MANAGEMENT



## INSTALLATION GUIDE

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# Google Chromebook



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## INTRODUCTION

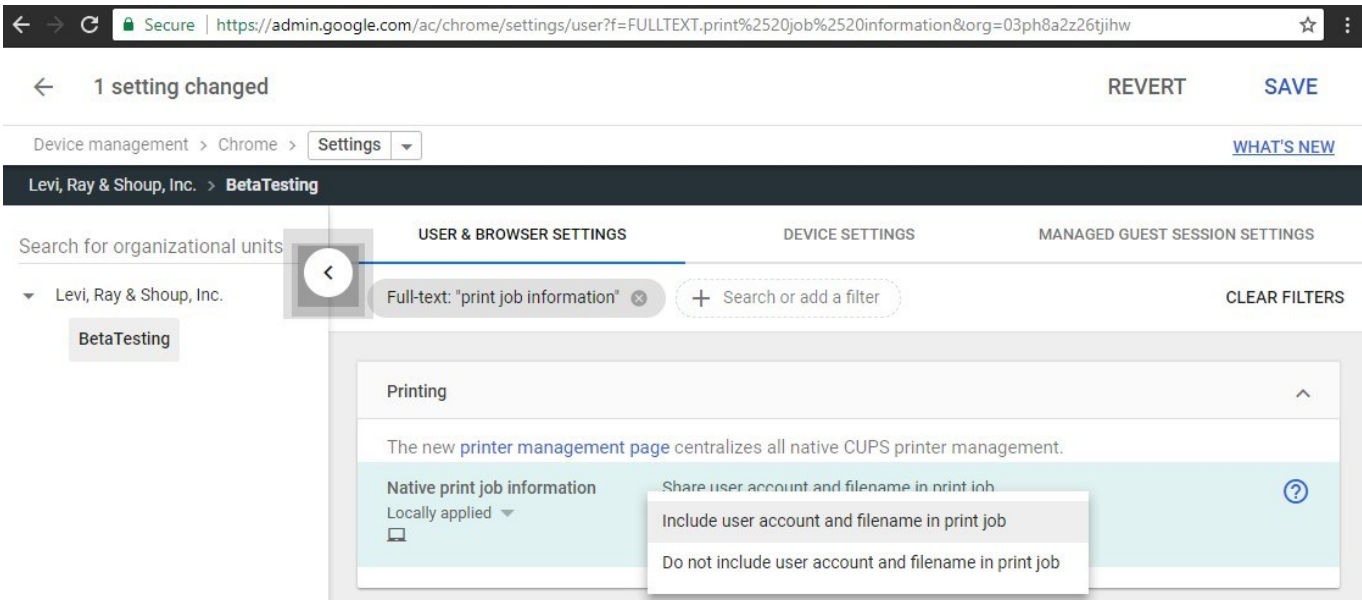
The LRS Software can be used to print in two different modes (push print and pull print). For information on configuring Chromebooks for each mode of printing, refer to the relevant section.

- Push Print – Prints a document immediately. The print file is sent to a specific queue for each physical printer on the VPSX Server. The VPSX server will deliver the print files to the physical printer as soon as it is available.
- Pull Print – Prints a document to a logical queue. The user then authenticates at any enabled printers and has the options to select which files to print. LRS offer several options for authentication and print release, including an embedded LRS software client on the MFP with card and/or code authentication and authentication from a mobile phone App or Web App)

## SETTING UP PUSH PRINTING

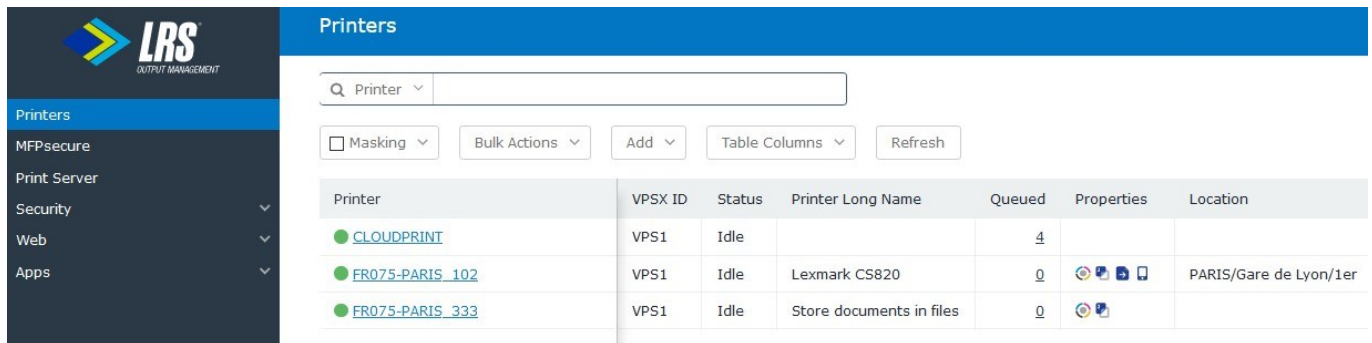
### ACTIVATE USERNAME AND JOB NAME INFORMATION (REQUIRED TO SEND ACCURATE USER AND DOCUMENT NAME)

- Login to Google Enterprise Administration Console
- Activate policy
- Go to: [Print Job information section](#)
- Select "Include user account and filename in print job"



### CHECK/CONFIGURE PRINTER

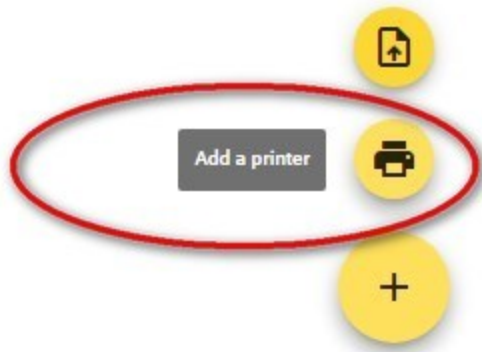
- Login to the LRS VPSX Web console
- Open printer list



- Check printer name & VPSX/Workplace license

### CREATE ENTERPRISE SPOOLED PRINTER

- Login in Google Enterprise Administration Console
- go to: [Printers list](#)
- Click yellow "+" to add printer



- Create printer using server name & queue name

A screenshot of the Google Admin console interface. The top navigation bar shows 'Google Admin' and a search bar. Below it, the breadcrumb trail reads 'Device management > Chrome > All printers > Levi, Ray & Shoup, Inc.'. A modal dialog box titled 'Add Printers' is open. It contains the following fields: 'Printer name \*' with the value 'Lexmark CS820 Sales Office'; 'Description' with the value 'Laser Color printer in Paris Gare de Lyon Office via VPSX'; an unchecked checkbox for 'Use driverless configuration'; two dropdown menus for 'Lexmark' and 'Lexmark CS820 Series'; and a 'Host \*' field with the value 'ipps://hw07123.provost.tf:9443/FR075-PARIS\_102'. The 'Host' field is split into 'port' (9443) and 'path' (FR075-PARIS\_102). At the bottom right of the dialog are 'CANCEL' and 'ADD PRINTER' buttons. A note at the bottom left of the dialog states '\* indicates a required field'.

- Printer name: the common name visible to users
- Description: adds complementary information
- Select the most suitable driver for your printer or system
- Select Protocol, IPPS is required to set the correct user and document name and activate encryption
- Enter port: 9443 is default IPPS port for LRS servers, 631 is usual IPP port.
- Path: is the matching queue name in VPSX

- Select created printer and activate availability options for users

← 1 setting changed REVERT SAVE

Device management > Chrome > Printers

All printers > Levi, Ray & Shoup, Inc. > BetaTesting

Include all organizational units

Search for organizational units

Levi, Ray & Shoup, Inc.

BetaTesting

2 printers

Search printers

<input type="checkbox"/>	Display Name ↓	Model	De
<input type="checkbox"/>	test	hp hp 2500c	tes
<input type="checkbox"/>	Lexmark CS820 Sales Office	lexmark cs820 series	La

**Lexmark CS820 Sales Office** ✕

Printer Settings

Allow for users in this organization   
Locally applied ▾

Allow for devices in this organization   
Locally applied ▾

Allow for managed guest sessions in this organization   
Locally applied ▾

---

Printer Details

Name \* Lexmark CS820 Sales Office

Description Laser Color printer in Paris Gare de Lyon Offi

Uri \* <https://hw07123.provost.tf:9443/FR075-PARI>

- Click "Save"

## USER TEST

- Print a document from a Chromebook
  - Login on a managed Chromebook
  - Open a document and click on the "Print" button on top left

Test Print ☆

File Edit View Insert Format Tools Add-ons Help All changes saved in Drive

100% Normal text Arial 11 B I U A

**Print (Ctrl+P)**

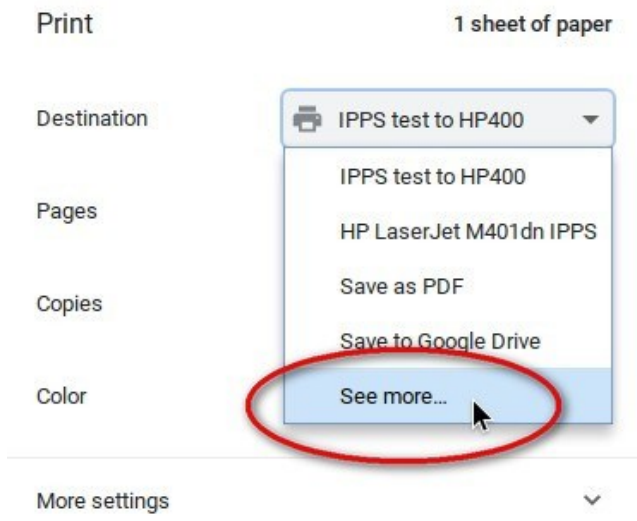
Test print IPPS

Google

LRS OUTPUT MANAGEMENT

Server: hw07123.provost.tf running VPSX V1P3.001

- In destination, select "See More..."



- Select the newly defined printer then click "Print"

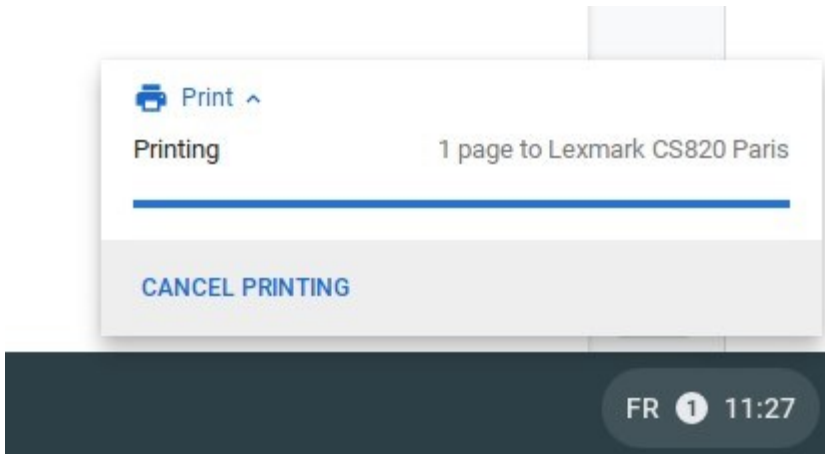
### Select a destination

Showing destinations for **sebastien.provost@lrseomtest.org** ▼

🔍 Search destinations

- 📄 Save as PDF
- 🖨️ IPPS test to HP400
- 🖨️ Lexmark CS820 Paris** Laser color printer in Sales Office Paris
- 📁 Save to Google Drive Save your document as a PDF in Google Drive

- The system then shows "Printing" message as below, and when finished a "Printing complete" message to the user



## VIEW PRINTED JOBS LIST

- Login in LRS admin
- Printed job can be viewed in "Retained Queue"
  - (if retention has been configured for that printer)

Printer Retain Queue

VSV1 admin Logoff

FR075-PARIS\_102 vps1 - Lexmark CS820  
Idle

1 → 2 (2)

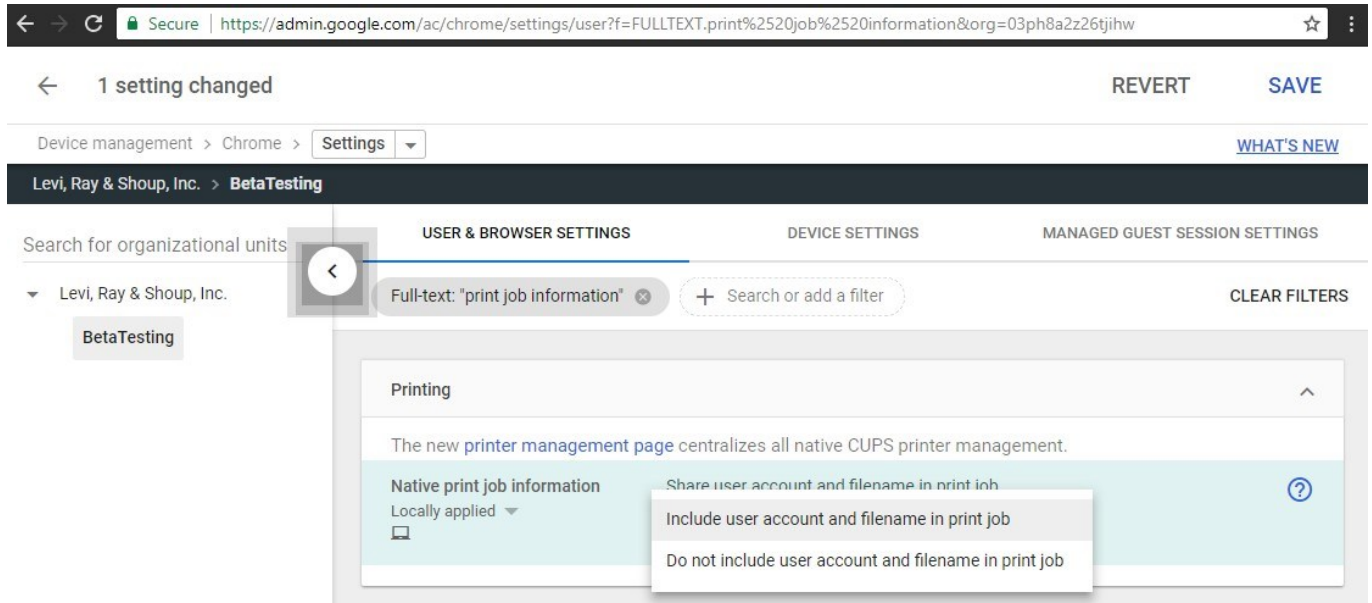
Spool ID	Copies	Creation Time	Filename	Data Type	Owner	Job Status
<a href="#">00000072</a>	1	28/05/2020 23:39:06	1 - Test Print - Google Docs	PS	sebastien.provost@lrseomtest.org	Printed
<a href="#">00000069</a>	1	28/05/2020 18:41:46	2 - Raul print test - 2020-05-28 - Google Docs	PS	admin@chromeo.ml	Printed



## SETTING UP PULL PRINTING

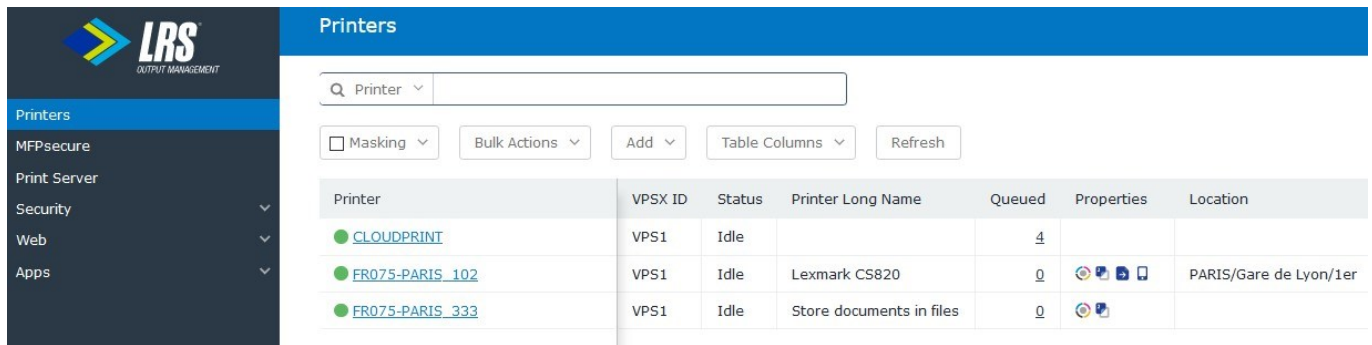
### ACTIVATE USERNAME AND JOB NAME INFORMATION (REQUIRED)

- Login to Google Enterprise Administration Console
- Activate Policy
- go to: [Print Job information section](#)
- Select "include user account and filename in print job"



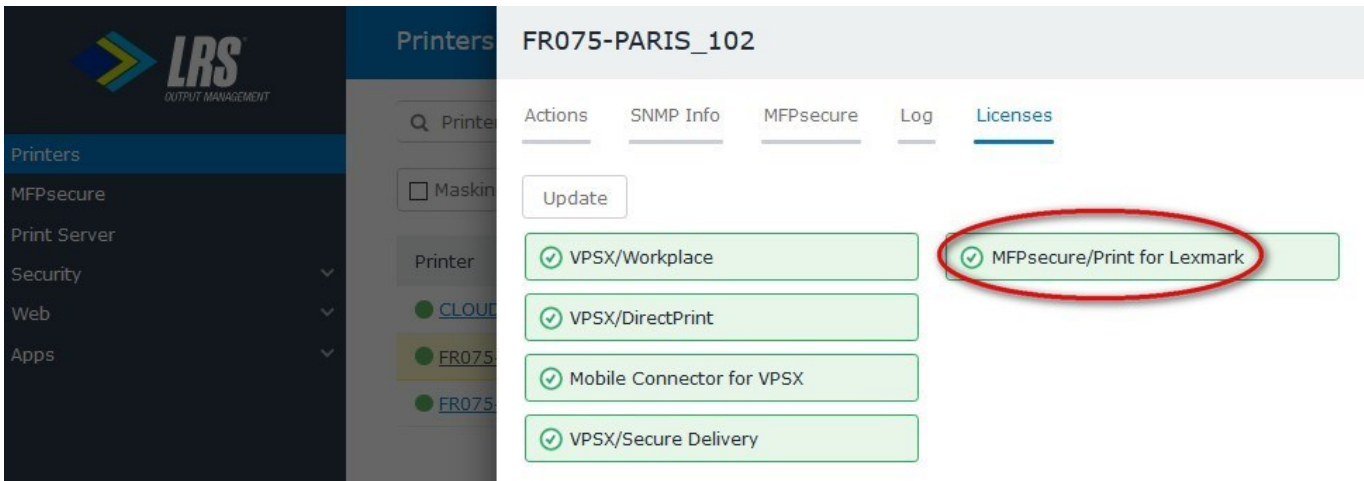
### CHECK/CONFIGURE PRINTER

- Login to LRS VPSX Web Console
- Open the printer list

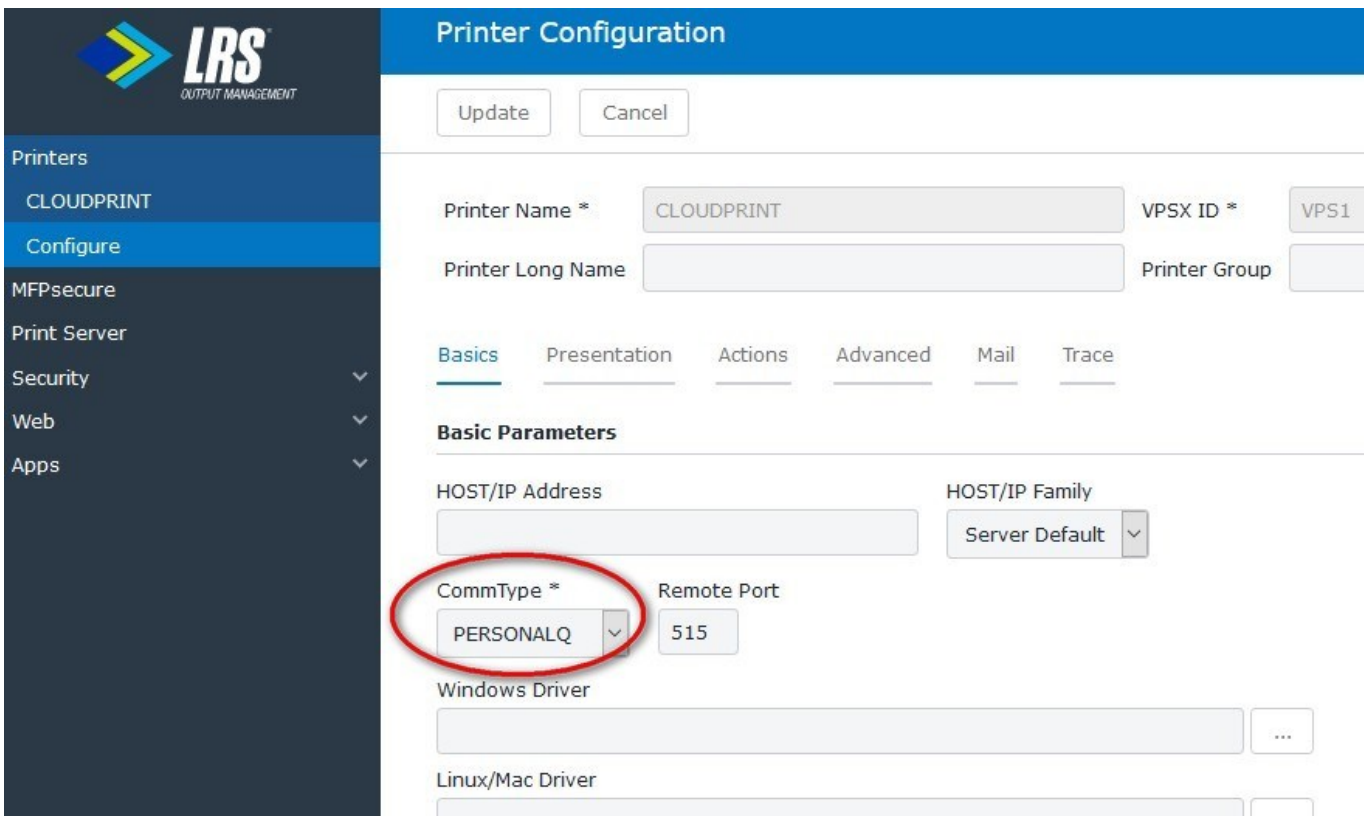




- Check printers: MFPsecure/Print license & agent deployment



- Check/configure Pull Print queue



#### CREATE USER aliases

- If the google user name used by Chromebook is different to the Active Directory (AD) credentials for same user, an alias can be defined to allow concurrent use of both google and AD user name for pull print release
- Login to LRS VPSX Web Console and select MFPsecure -> Users
- Look up the AD user name
- Add the Google user name in the Alias field for the AD user name

**MFPsecure** VSV1 admin Logoff

Username: provost

Save Add alias Email code Reset

**USERNAME**  
PROVOST

**NAME**  
PROVOST, SEBASTIEN

**ALIASES**  
SEBASTIEN.PROVOST@LRSEOMTEST.ORG x

**CARD**  
AB123456A654321

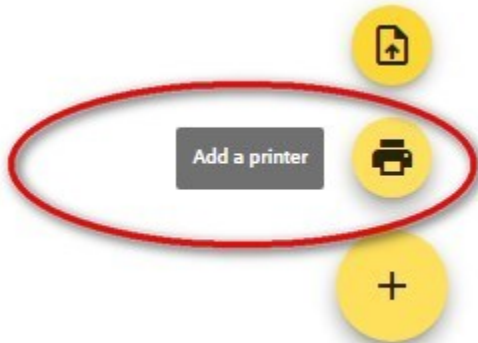
**CODE**  
123456

**DOMAIN** **EMAIL**

- Associating the Google name as an Alias of the AD name can be automated. Refer to LRS for further details.

### CREATE ENTERPRISE PULL-PRINT VIRTUAL PRINTER

- Login in Google Enterprise Administration Console
- go to Printers list
- Click yellow "+" to add printer



## CREATE PRINTER USING SERVER NAME & QUEUE NAME

Printer name \*

LRS pull-printing

Description

Print anywhere with MFPsecure/Print

Use driverless configuration

Generic      Generic PostScript Printer

Host \*      port      path

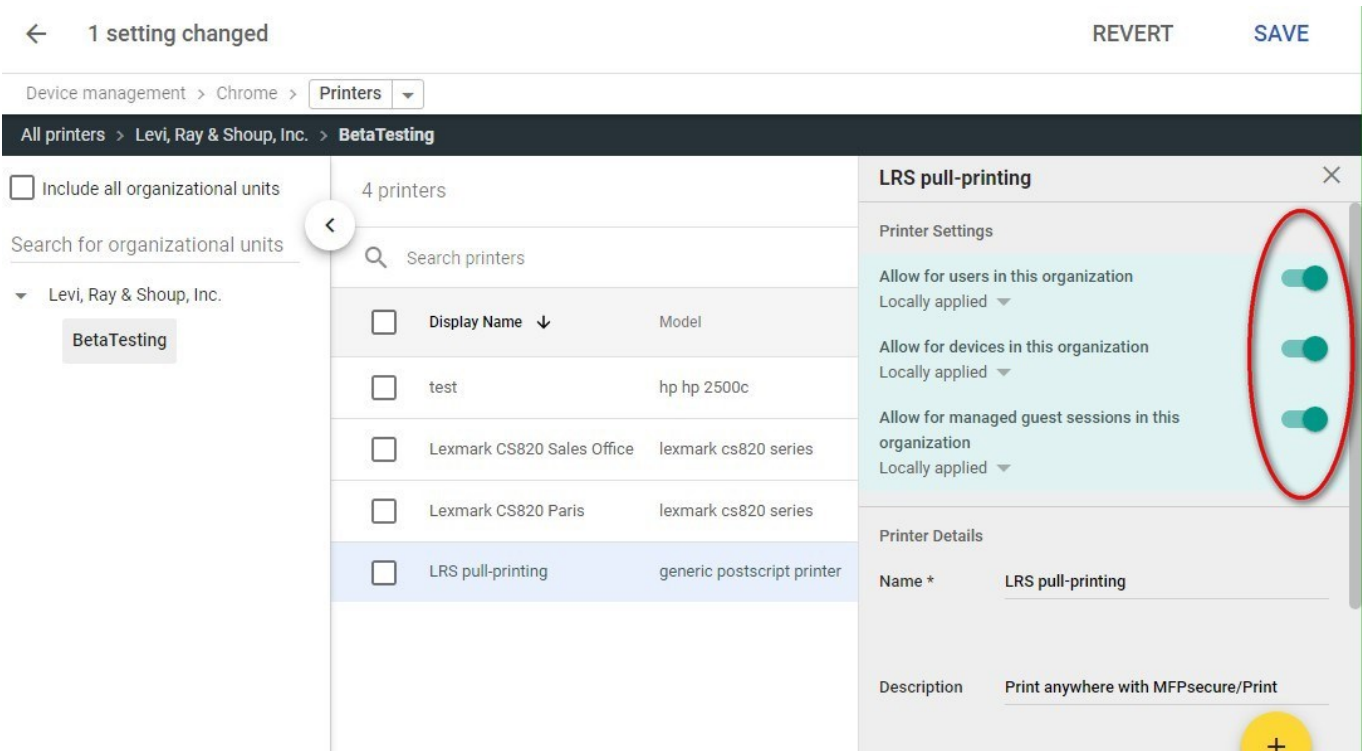
ipps      hw07123.provost.tf      9443      CLOUDPRINT

\* indicates a required field

CANCEL      ADD PRINTER

- Printer name: is the Pull-Print queue name visible to users
- Description: adds complementary information
- Select the most suitable driver for your system, compatible with all pull-print printers
- Select Protocol, IPPS is mandatory
- Enter port: 9443 is default IPPS port for LRS servers
- Path: is the matching pull-print queue name in VPSX

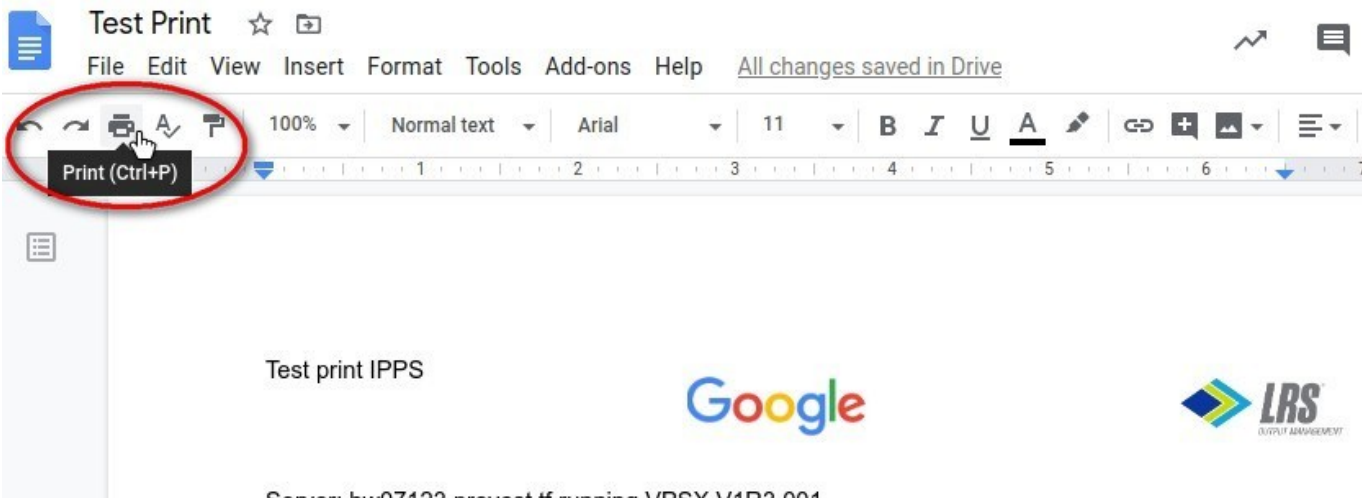
- Select created printer and activate availability options for users



- Click "Save"

## USER TEST

- Print a document from a Chromebook
  - Login to a managed Chromebook
  - Open a document and click on the "Print" button on top right



- In destination, select "See More..."

## Print

1 sheet of paper

Destination

IPPS test to HP400

Pages

IPPS test to HP400

HP LaserJet M401dn IPPS

Copies

Save as PDF

Save to Google Drive

Color

See more...

More settings

- Select the newly defined pull-print queue then click "Print"

### Select a destination

Showing destinations for `sebastien.provost@lrseomtest.org`

Search destinations

Save as PDF

Save to Google Drive Save your document as a PDF in Google Drive

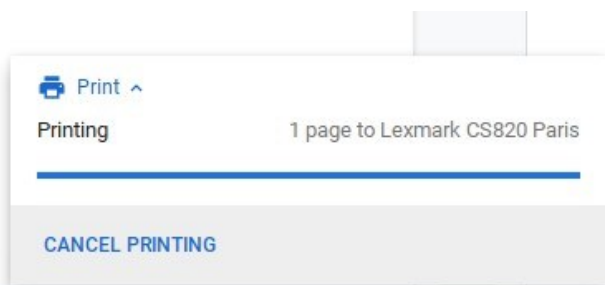
Lexmark CS820 Sales Office Laser Color printer in Paris Gare de Lyon Office via VPSX

IPPS test to HP400

Lexmark CS820 Paris Laser color printer in Sales Office Paris

LRS pull-printing Print anywhere with MFPsecure/Print

- The system should send back a "printing message", then "Printing complete"



FR 1 11:27

## VIEW WAITING PRINT JOBS LIST

- Login in LRS VPSX Web console
- Open the Pull Print queue

The screenshot shows the LRS VPSX Web console interface. The top navigation bar includes the LRS logo, the title 'Printer Output Queue', and user information 'VSV1 admin' with a 'Logoff' button. A left sidebar lists navigation options: Printers, CLOUDPRINT, Output Queue (3), Retained Queue (0), Configure, MFPSecure, Print Server, Security, Web, and Apps. The main content area displays the 'CLOUDPRINT VPS1' printer status as 'Idle'. Below this is a search bar and several control buttons: 'Bulk Actions', 'Queue Command', 'Table Columns', 'Job upload', and 'Refresh'. A table lists the print jobs in the queue:

Spool ID	Filename	Data Type	Owner
200000070	3 - Raul print test - 2020-05-28 - Google Docs	PCL	admin@chromeo.ml
200000071	4 - Raul print test - 2020-05-28 - Google Docs	PCL	admin@chromeo.ml
200000074	3 - LRS Chromebook Printing	PS	sebastien.provost@lrseomtest.org

- You will see the print job, in waiting status with user information associated to it

## COLLECT PRINT JOB

- Go to any LRS Pull Print enabled printer
- Authenticate with a card or PIN
- Open Secure Print app
- Select a job to print or use "Print All" to release all submitted jobs