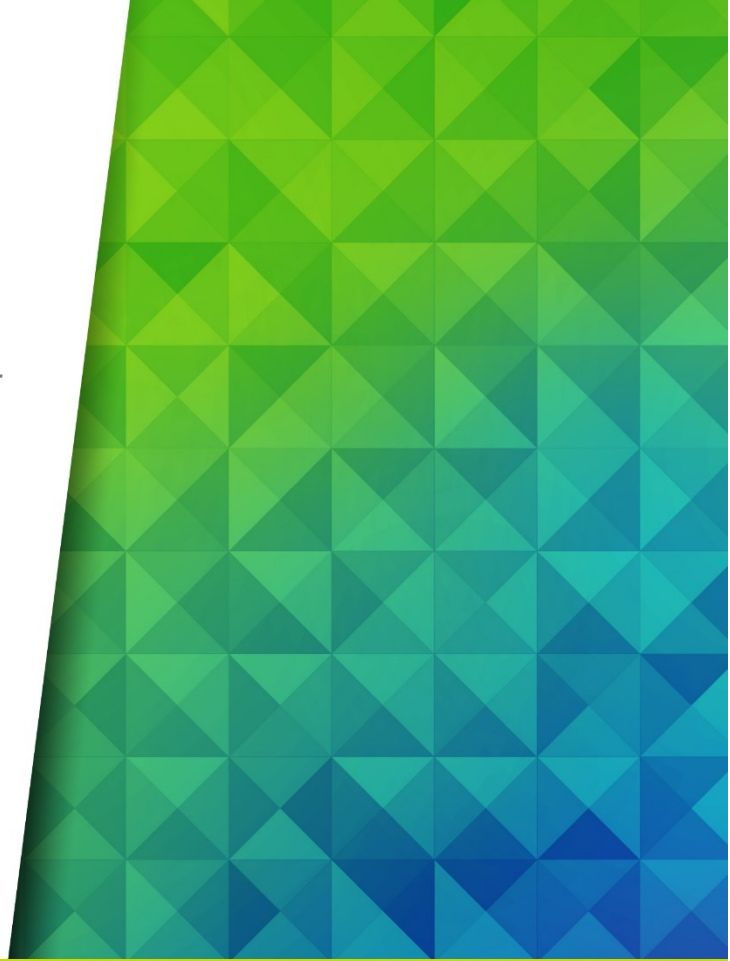




LRS[®]
OUTPUT MANAGEMENT



INSTALLATION GUIDE

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, ALSO ENABLES ENCRYPTION)

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

The screenshot shows the Google Admin console interface. At the top, the URL is <https://admin.google.com/ac/chrome/settings/user?f=FULLTEXT.print%2520job%2520information&torg=03ph8a2z26tjihw>. The page title is "1 setting changed" with "REVERT" and "SAVE" buttons. The breadcrumb trail is "Device management > Chrome > Settings". The user is identified as "Levi, Ray & Shoup, Inc. > BetaTesting". The "USER & BROWSER SETTINGS" tab is active. A search filter "Full-text: 'print job information'" is applied. The "Printing" section is expanded, showing "Native print job information" with a dropdown menu. The dropdown options are: "Share user account and filename in print job", "Include user account and filename in print job" (which is selected), and "Do not include user account and filename in print job".

CHECK/CONFIGURE PRINTER

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

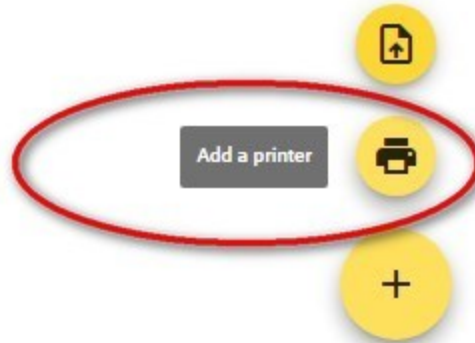
The screenshot shows the LRS VPSX Web console interface. The left sidebar contains navigation items: "Printers", "MFPsecure", "Print Server", "Security", "Web", and "Apps". The main content area is titled "Printers" and features a search bar with "Printer" entered. Below the search bar are controls for "Masking", "Bulk Actions", "Add", "Table Columns", and "Refresh". A table lists the printers:

Printer	VPSX ID	Status	Printer Long Name	Queued	Properties	Location
CLOUDPRINT	VPS1	Idle		4		
FR075-PARIS_102	VPS1	Idle	Lexmark CS820	0		PARIS/Gare de Lyon/1er
FR075-PARIS_333	VPS1	Idle	Store documents in files	0		

- 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

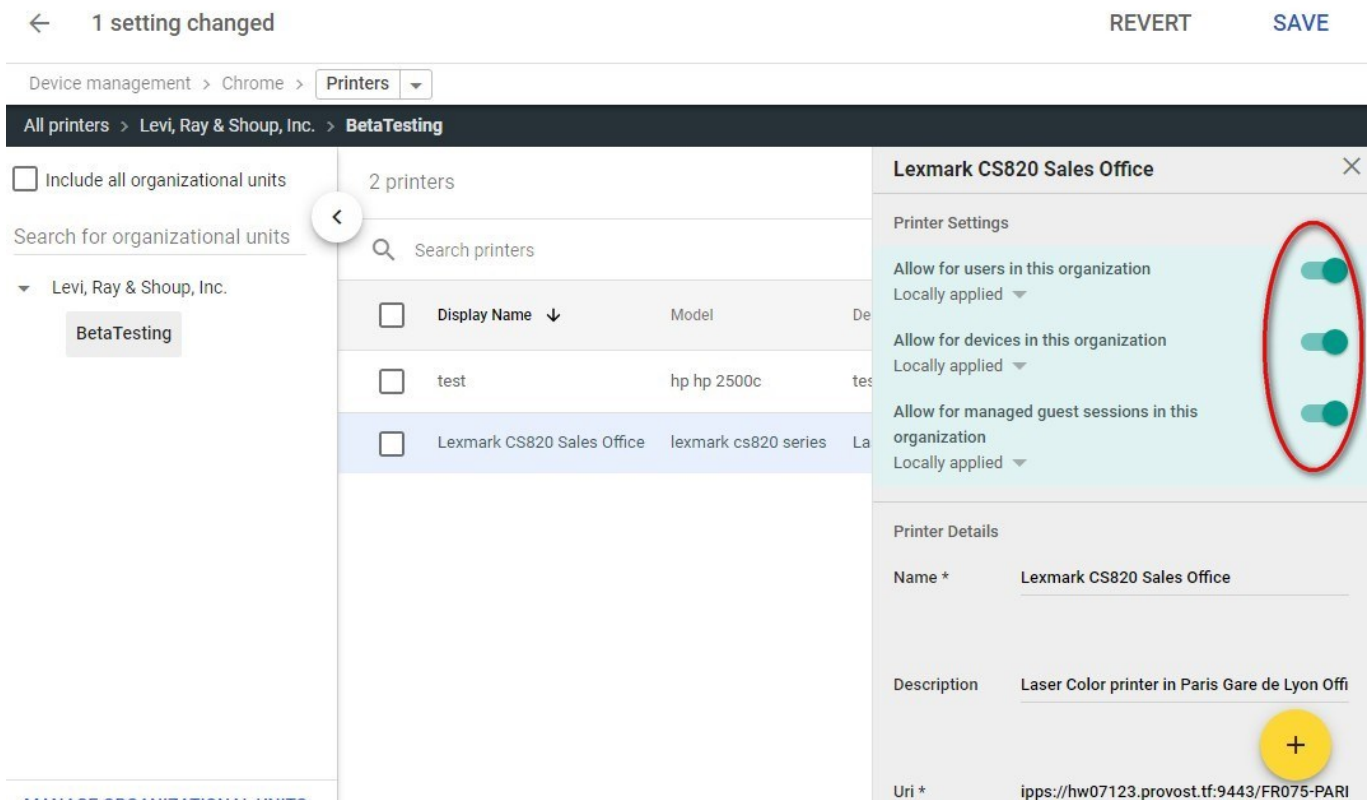


- Create printer using server name & queue name

A screenshot of the Google Admin console 'Add Printers' form. The form is titled 'Add Printers' and has a search bar at the top. The form fields are: 'Printer name *' with the value 'Lexmark CS820 Sales Office'; 'Description' with the value 'Laser Color printer in Paris Gare de Lyon Office via VPSX'; 'Use driverless configuration' with an unchecked checkbox; 'Lexmark' and 'Lexmark CS820 Series' dropdown menus; 'Host *' with the value 'ipps', 'port' with the value '9443', and 'path' with the value 'FR075-PARIS_102'. A note at the bottom states '* Indicates a required field'. At the bottom right are 'CANCEL' and 'ADD PRINTER' buttons.

- 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

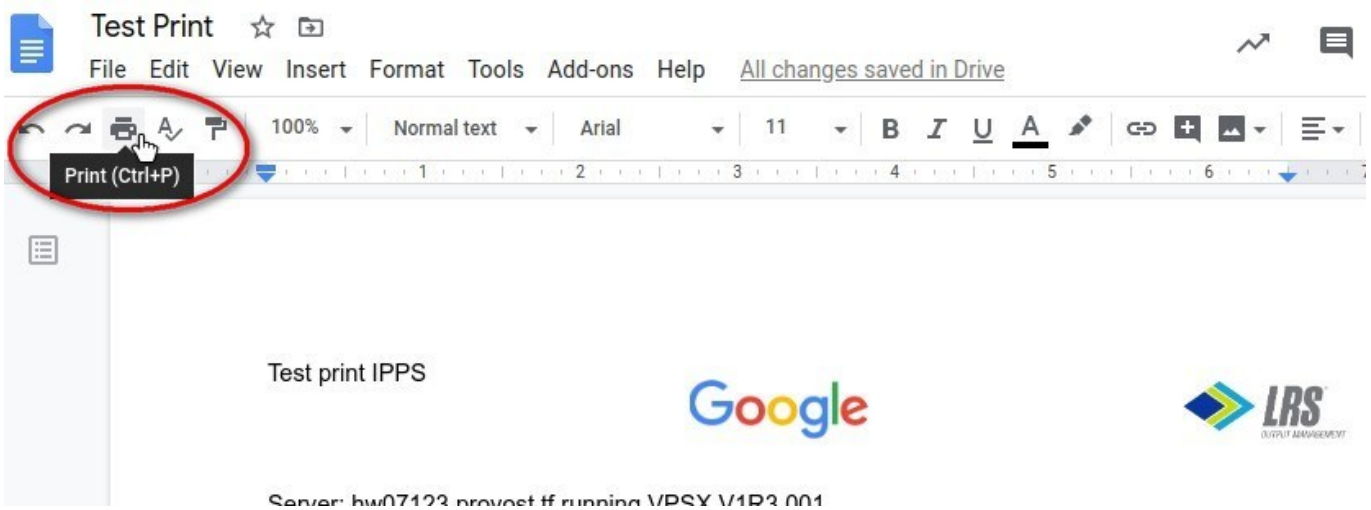
- Select created printer and activate availability options for users



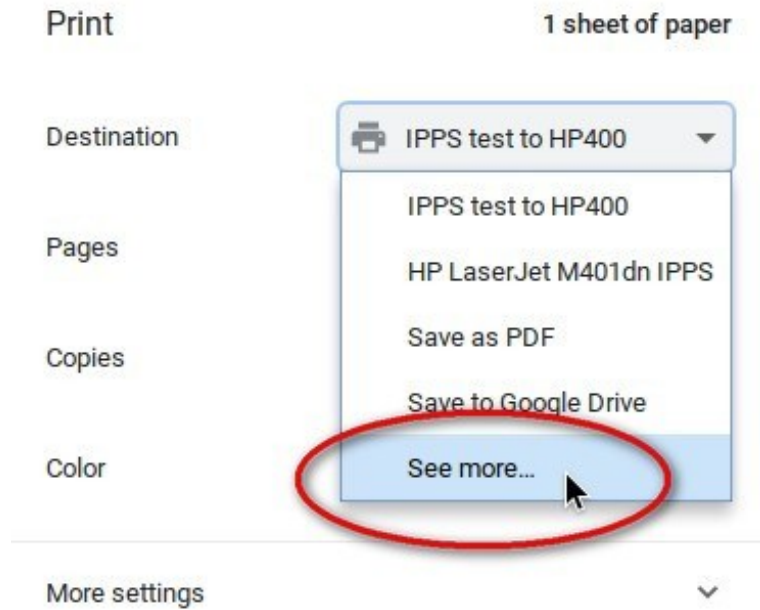
- Click "Save"

USER TEST

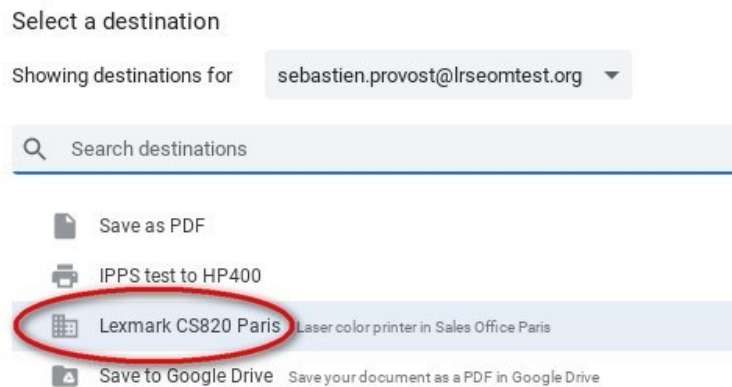
- Print a document from a Chromebook
 - Login on a managed Chromebook
 - Open a document and click on the "Print" button on top left



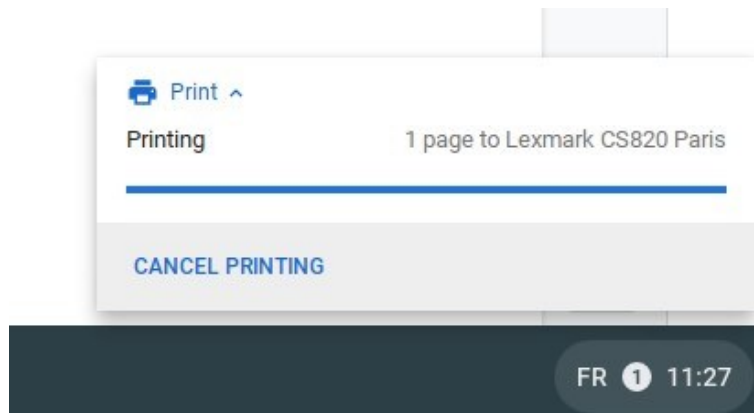
- In destination, select "See More..."



- Select the newly defined printer then click "Print"



- 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)

The screenshot shows the LRS (Lexmark Remote Services) interface for a printer named 'FR075-PARIS_102'. The printer is in an 'Idle' state. The interface includes a sidebar with navigation options: Printers, Output Queue (0), Retained Queues (2), Configure, MFPsecure, Print Server, Security, Web, and Apps. The 'Retained Queues (2)' option is highlighted with a red box. The main content area displays a table of jobs with columns for Spool ID, Copies, Creation Time, Filename, Data Type, Owner, and Job Status. Two jobs are listed, both with a status of 'Printed'. The first job's filename '1 - Test Print - Google Docs' and the owner 'sbastien.provost@lrseomtest.org' are circled in red. The second job's filename is '2 - Raul print test - 2020-05-28 - Google Docs' and its owner is 'admin@chromeo.ml'.

Spool ID	Copies	Creation Time	Filename	Data Type	Owner	Job Status
0000072	1	28/05/2020 23:39:06	1 - Test Print - Google Docs	PS	sbastien.provost@lrseomtest.org	Printed
0000069	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"

The screenshot shows the Google Admin console interface. At the top, the browser address bar displays the URL: <https://admin.google.com/ac/chrome/settings/user?f=FULLTEXT.print%2520job%2520information&org=03ph8a2z26tjihw>. Below the address bar, the page title is "1 setting changed" with "REVERT" and "SAVE" buttons. The navigation breadcrumb is "Device management > Chrome > Settings". The organization is "Levi, Ray & Shoup, Inc. > BetaTesting". The "USER & BROWSER SETTINGS" tab is active. A search filter "Full-text: 'print job information'" is applied. The "Native print job information" setting is highlighted, showing a dropdown menu with three options: "Share user account and filename in print job", "Include user account and filename in print job", and "Do not include user account and filename in print job".

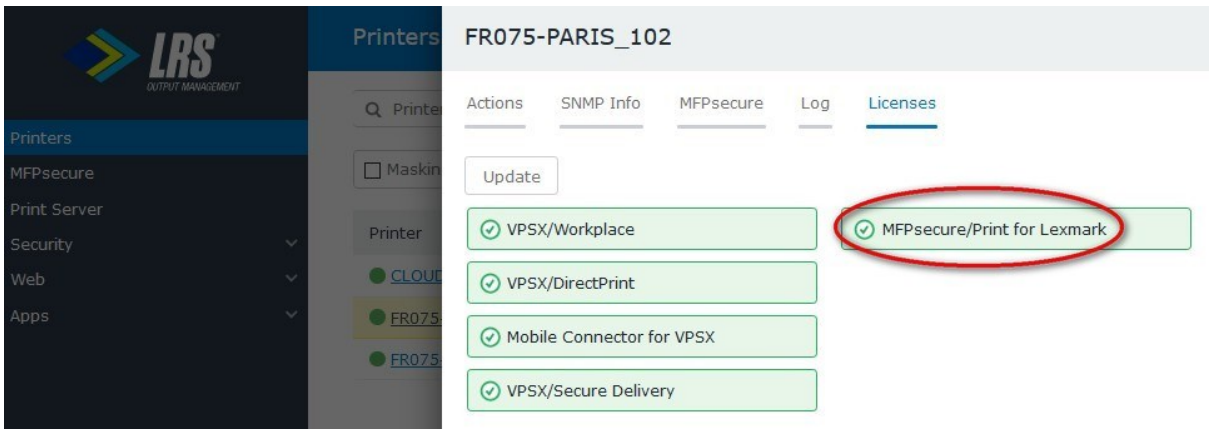
CHECK/CONFIGURE PRINTER

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

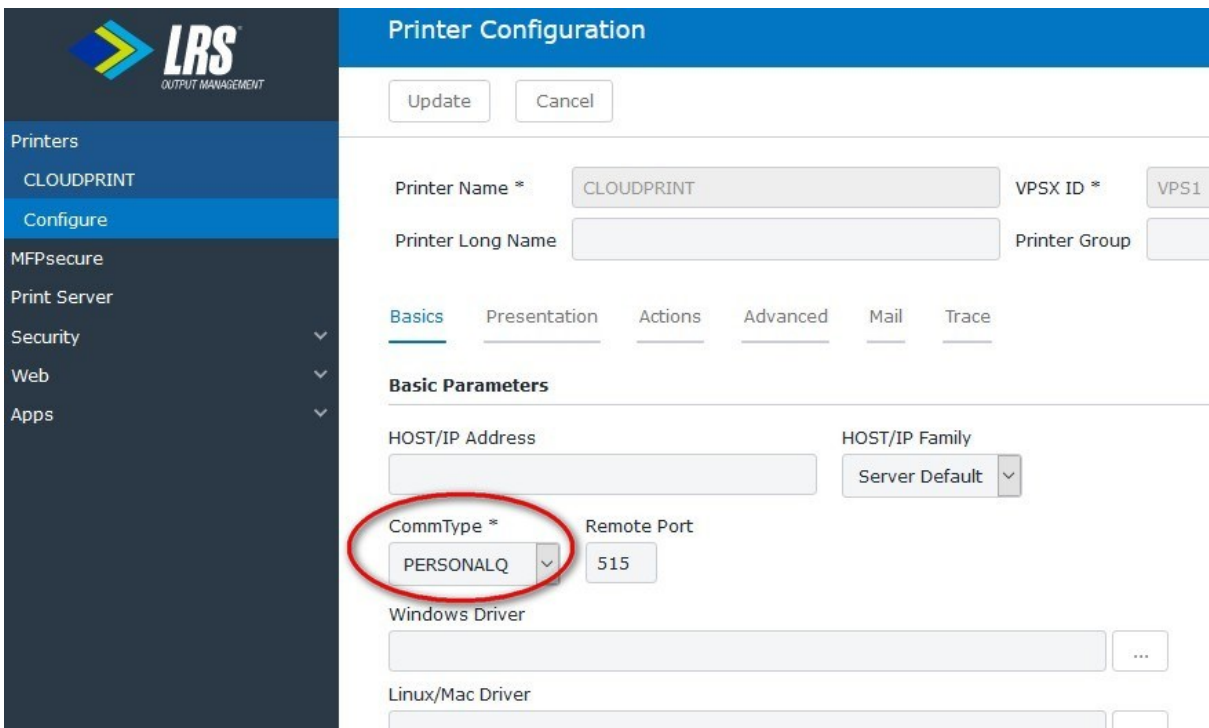
The screenshot shows the LRS VPSX Web Console interface. The left sidebar contains the LRS logo and a navigation menu with items: Printers, MFPsecure, Print Server, Security, Web, and Apps. The main content area is titled "Printers" and features a search bar, a "Masking" checkbox, "Bulk Actions", "Add", "Table Columns", and "Refresh" buttons. Below these controls is a table listing printers.

Printer	VPSX ID	Status	Printer Long Name	Queued	Properties	Location
CLOUDPRINT	VPS1	Idle		4		
FR075-PARIS_102	VPS1	Idle	Lexmark CS820	0		PARIS/Gare de Lyon/1er
FR075-PARIS_333	VPS1	Idle	Store documents in files	0		

- Check printers: MFPsecure/Print license & agent deployment

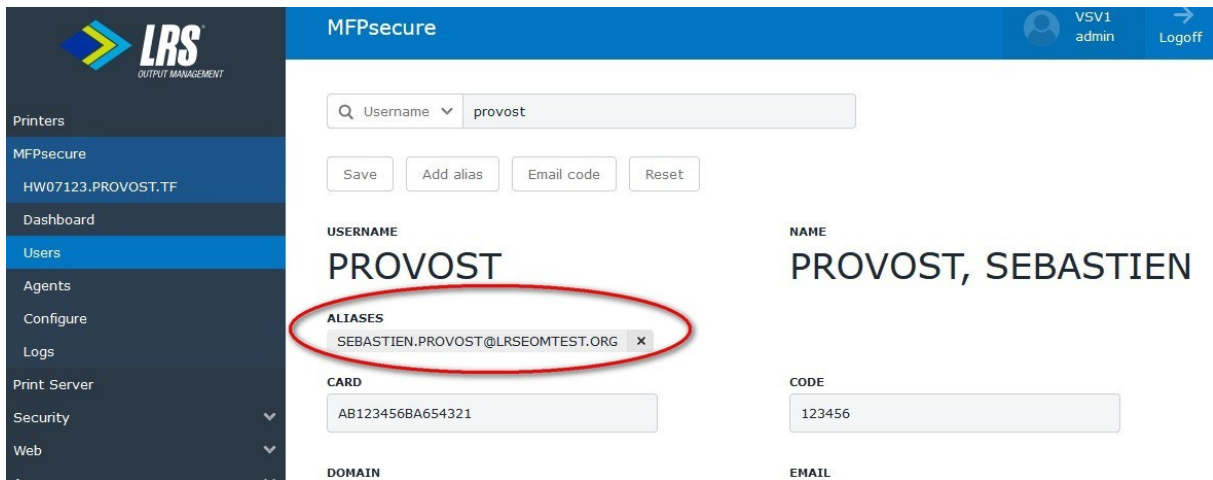


- Check/configure Pull Print queue



CREATE USER aliases

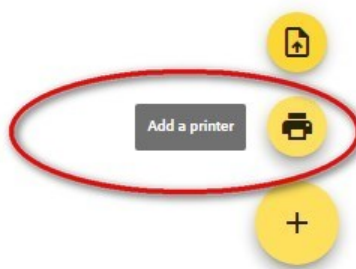
- If the google user name used by Chromebook is different to the Active Directory (AD) credentials for same user, an alias can be defined to allow concurrent use of both google and AD user name for pull print release
- Login to LRS VPSX Web Console and select MFPsecure -> Users
- Look up the AD user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



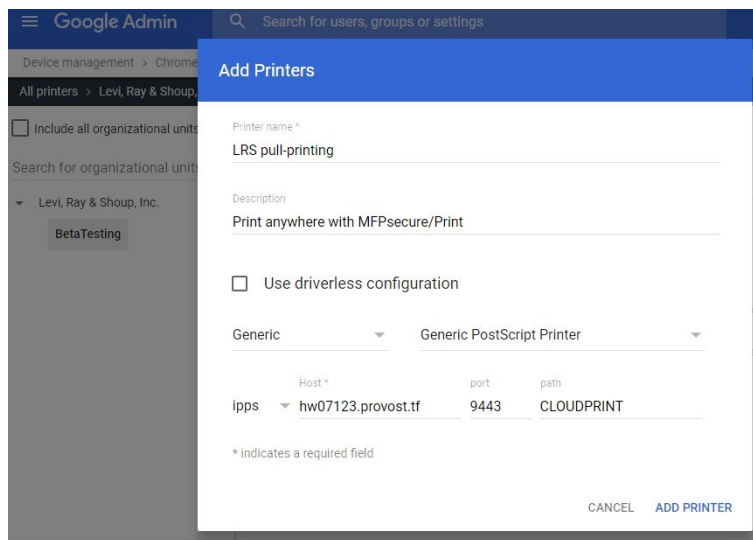
- Associating the Google name as an Alias of the AD name can be automated. Refer to LRS for further details.

CREATE ENTERPRISE PULL-PRINT VIRTUAL PRINTER

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

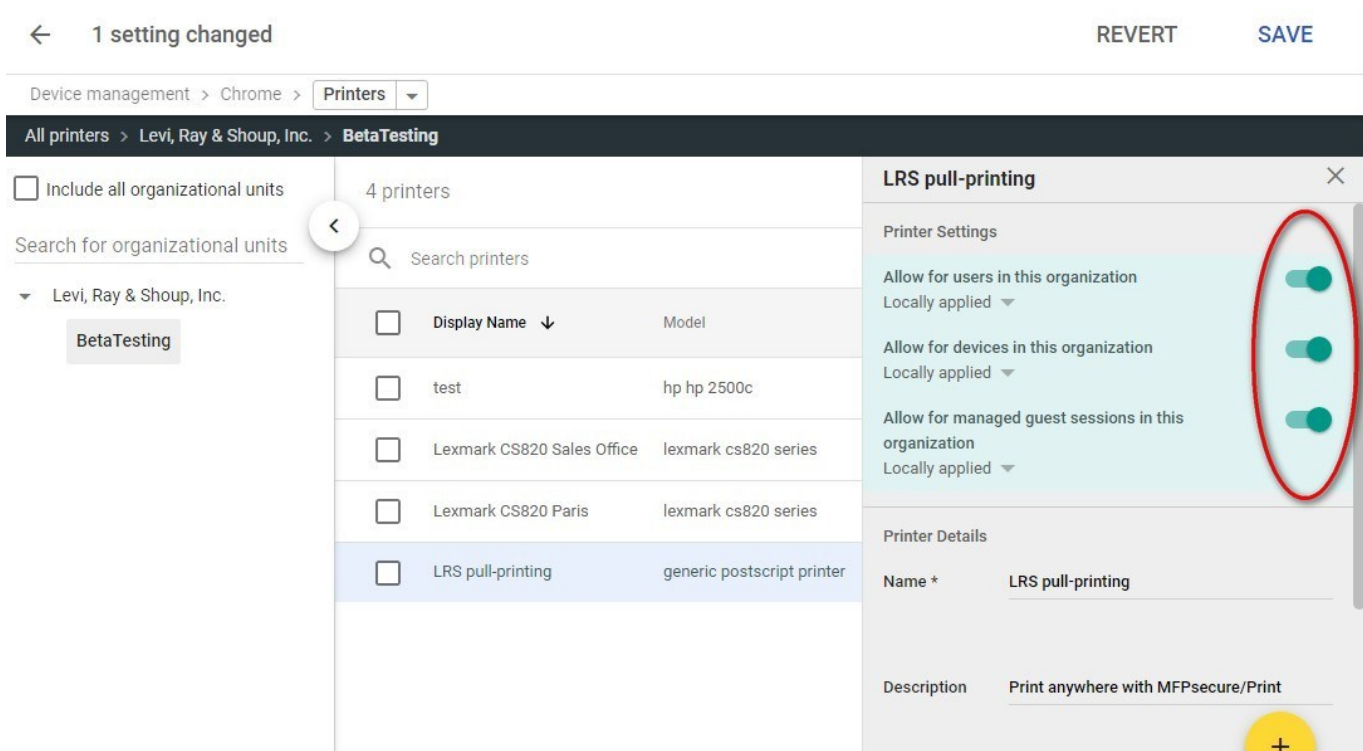


CREATE PRINTER USING SERVER NAME & QUEUE NAME



- Printer name: is the Pull-Print queue name visible to users

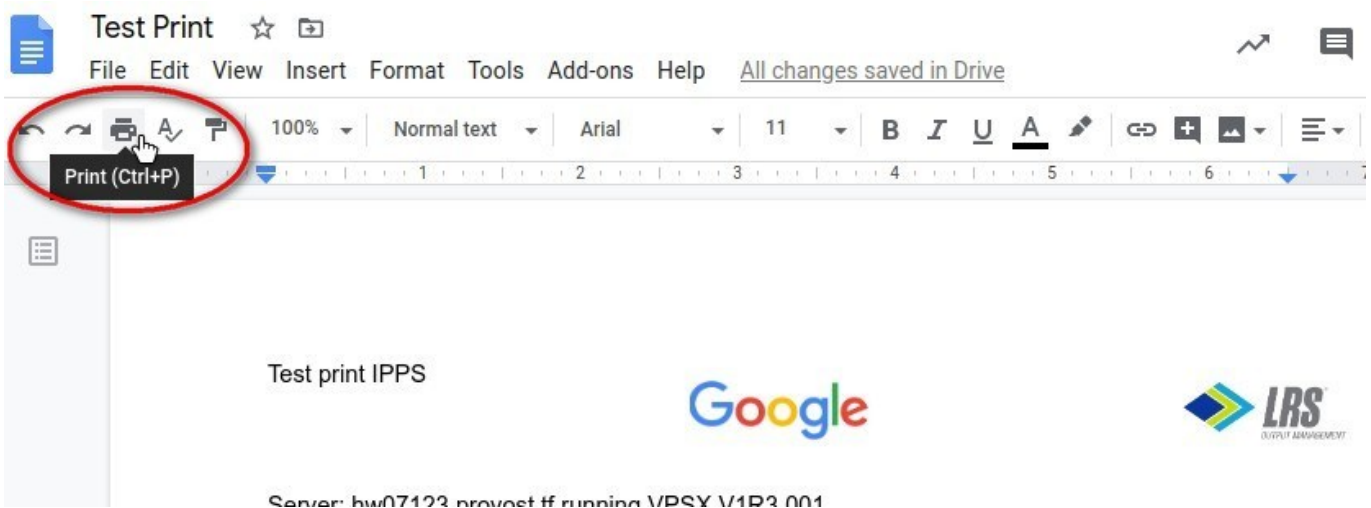
- Description: adds complementary information
- Select the most suitable driver for your system, compatible with all pull-print printers
- Select Protocol, IPPS is mandatory
- Enter port: 9443 is default IPPS port for LRS servers
- Path: is the matching pull-print queue name in VPSX
- Select created printer and activate availability options for users



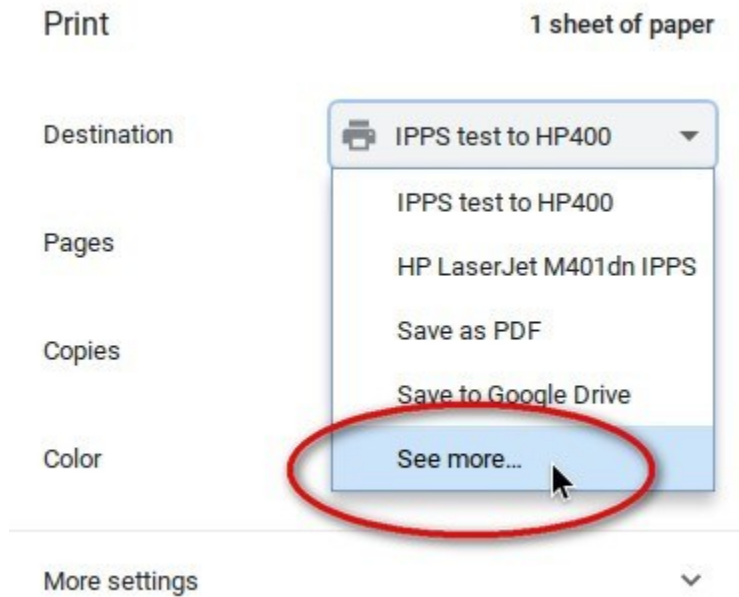
- Click "Save"

USER TEST

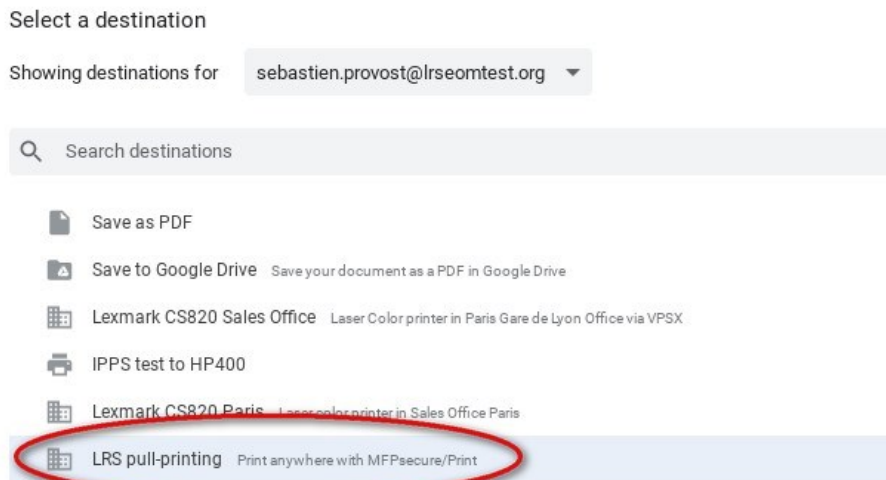
- Print a document from a Chromebook
 - Login to a managed Chromebook
 - Open a document and click on the "Print" button on top right



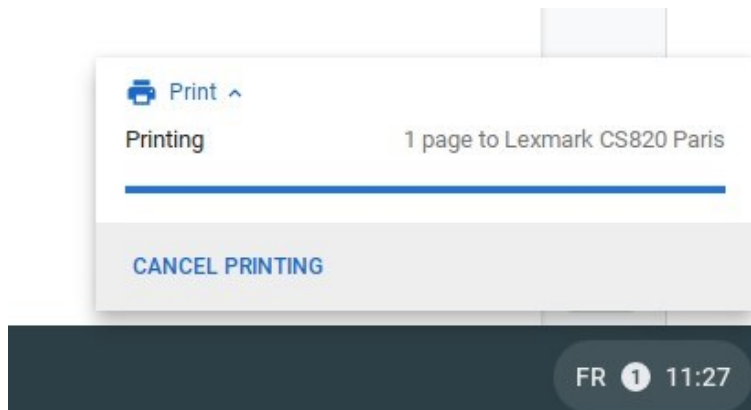
- In destination, select "See More..."



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



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



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 and the printer name 'FR075-PARIS_102' with a status of 'Idle'. The left sidebar contains navigation options: Printers, FR075-PARIS_102, Output Queue (0), Retained Queue (2), Configure, MFPsecure, Print Server, Security, Web, and Apps. The main content area displays a table of print jobs. The table has the following columns: Spool ID, Copies, Creation Time, Filename, Data Type, Owner, and Job Status. Two jobs are listed:

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

- 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