

# LRS User Konferenz 2022 Frankfurt



# “Cloud-First”

## Strategy

“A business guided by a cloud-first approach should always consider cloud computing solutions before anything else when addressing existing or new processes”

## Policy

Government based rules that say roughly the same thing





# “We are mandated to do ( $n$ ) in the Cloud”

- Run applications
- Store data
- Authenticate
  - Print
  - Pull print
  - Scan

# Cloud Initiatives

- What does it mean for your organization?
  - Are you reducing infrastructure?
  - Reducing administrative costs?
  - Both?
- Do you use a Cloud Provider?
- Are you moving Authentication away from traditional providers?
  - Which have you selected?
  - Are you looking at solutions for federation?

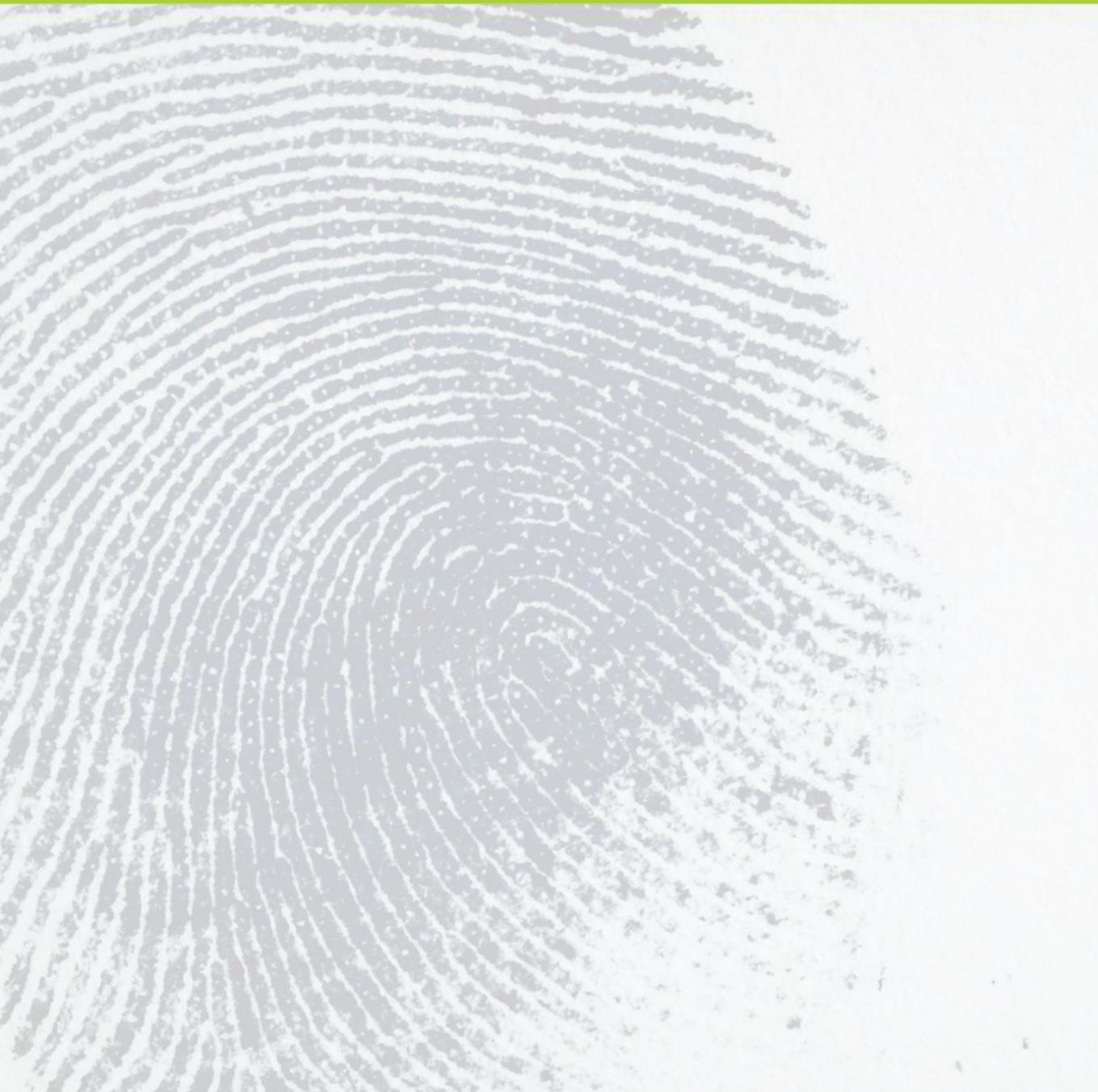
# “We are moving to Internet offices”

- Why?
  - Malware distribution prevention
  - Cost of management
  - Failure reduction
- **Hub and spoke network elimination**
- **Castle and Moat Security risk**
- **Decouple Real Estate**



# “We’re moving to a Zero Trust strategy”

- BYOD / CYOD
- Intune Endpoint Protection
- Merging with another company or company
  - Security / authentication, network, sharing applications
- Removing requirements for:
  - VPNS
  - Internal Networks
  - Other network infrastructure
- Working with affiliates / partners
- Zero Trust is a concept, not a specification



# Authentication

- Be careful to understand what your organization is looking for:
  - Some vendors do not authenticate print at all, they authenticate when logging in to their website, but not at print time
- Every Transaction being both authenticated and encrypted is what Zero Trust really means
- Modern Authentication – Azure AD, Ping, iWelcome, Okta, etc.

# “We are implementing a digital workplace”

- Internet and mobile scan are key requirement for many digital workplace projects
- Not just scan to folder or email, but to cloud applications and incorporating scan into corporate workflows
- Many LRS projects in the last year across many verticals (Banking & Insurance, Healthcare, Logistics, Oil & Gas...)







## “We want to switch to a SaaS solution”

- Managed and hosted by a third party to allow a customer to focus on core business
- Office 365 apps, CRMs, etc. are widely implemented by corporate customers
- Print and Scan as a service is being requested
- Some point solutions (e.g. Microsoft Universal Print) exist, but with limited function
- Often, the continued flexibility of customized workflows, backend print and planned upgrades is required

# LRS Evolution

## VPSX V1R1 Released in 2004

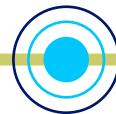
### 2012

- MFPsecure for HP
- Universal (Mobile) Print Release
- LRS Releases Additional Data Transform Products



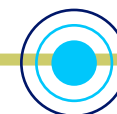
### 2014

- Printer Definition and Deployment Tool (PDDT)
- VPSX Dashboard for Performance Monitoring
- Intelligent Document Bundling (IDB)
- Mobile Printing via iOS App
- PageCenterX/Satellite for Downtime Reporting
- Virtual Session Printer Agent (VSPA) for VDI Printing (XenDesktop)
- MFPsecure for Ricoh
- LRS Releases Additional Data Transform Products



### 2013

- LRS/AlertX for High Availability
- VPSX Support of Internet Printing Protocol (IPP) over SSL to encrypt data “in motion”
- MFPsecure for Konica-Minolta
- MFPsecure for Sharp
- LRS Acquires Cirrato Technologies AB



# LRS Evolution

## VPSX V1R2 Released in 2016

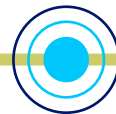
### 2015

- Direct Secure Release
- VPSX Printer Portal
- Mobile Printing via Android app
- Copy Accounting in Innovate/Audit
- Virtual Printer Session Agent (VSPA) for Virtual Application Printing (XenApp)
- MFPsecure for Canon
- LRS Releases Additional Data Transform Products



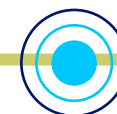
### 2017

- VPSX Policy (Rules-Based) Printing
- VPSX Support of SNMP V3
- LRS Universal Print Driver (UPD)
- MFPsecure for Samsung
- MFPsecure for Kyocera
- Re-Designed Mobile Printing Apps
- Release V2R1.2 of EOM Mainframe Products



### 2016

- Mobile Printing via E-mail
- MFPsecure for Lexmark
- MFPsecure for Xerox
- MFPsecure XT
- MFPsecure Card Reader
- LRS Acquires Capella Technologies
- LRS Releases Additional Data Transform Products

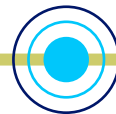


# LRS Evolution

## VPSX V1R3 Released in 2019

### 2018

- MFPsecure for Fuji-Xerox
- Support iBeacon technology in VPSX Print Apps and Mobile Connector
- Added analytics capability and improved performance of Innovate/Audit Reporting
- Acquired Drive to add scan workflow solution to product portfolio
- VPSX Windows Migration App
- Device Based Accounting (DBA) for print

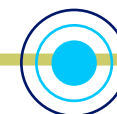


### 2019

- MFPsecure/Scan and MFPsecure/Scan Pro
- Released VPSX Delegate App
- VPSX V1R3 (new major release for family of products)
- Added support for IPv6 network environments
- Added support for Scan/Fax Device Based Accounting (DBA)"

### 2020

- Added support for “encryption at rest”
- Expanded support for delegate printing
- Released Apple-Certified Support of AirPrint in Mobile Connector
- Added support for Canon, Fuji-Xerox and Kyocera devices in MFPsecure/Scan and MFPsecure/Scan Pro
- Released new “Affiliate Printing” solution for printing securely over the public internet
- Release new Personal Print Manager (PPM) client for Windows, Mac and Linux desktops
- Added support for Toshiba devices in MFPsecure/Print, MFPsecure/Scan, and MFPsecure/Scan Pro
- Released “MFPsecure/Scan for Mobile”



## **LRS Internet Printing & Scanning Mission statement 2020:**

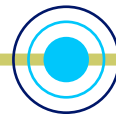


Support every print/scan feature and function that we do today for the on-premise corporate network environment, but enabling the connection between the data center, print devices and users' computing devices to be via the Public Internet.

# LRS Evolution

## 2021

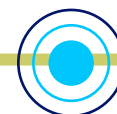
- Enhanced Affiliate Printing to support USB printers
- Introduced “Guest Printing” solution for Mobile Connector product
- Enhanced pull printing solutions to address additional security requirements using “release restrictions”
- Provide support for non-managed USB/network printers for home office environment with new solution called “PPM Local Delivery”
- Introduced “Internet Push/Pull Printing and Scanning” solutions to support the evolving workplace
- Extended PPM support of “Direct Secure Release” to macOS & Linux desktops
- Added support for Fujifilm devices in MFPsecure/Print



## 2022

- Expanded OIDC authentication to the print device level
- Added support for Fujifilm devices in MFPsecure/Scan
- Expanded auditing in PPM to all supported platforms

LRS  
Product  
Roadmap



# Real-world Internet Printing & Scanning Scenarios

## Push Printing

Users can quickly find and print from desktop apps.



## Pull Printing

Securely print queued documents with a simple badge tap.



**Remote Office**  
Internet Connected Only

## 3rd Party Application Printing

Push print from apps running at partners & affiliates.



## Business Application Printing

Pull print business documents from a secure output queue.



## MFP Scan Workflow

Initiate scan workflows using embedded LRS® software client.



# Real-world Internet Printing & Scanning Scenarios

## Home Office



### Desktop Printing

Extend IT print  
audit/compliance to  
local user desktops.



### Mobile Device Scanning

Scan documents with  
any camera-equipped  
mobile device.



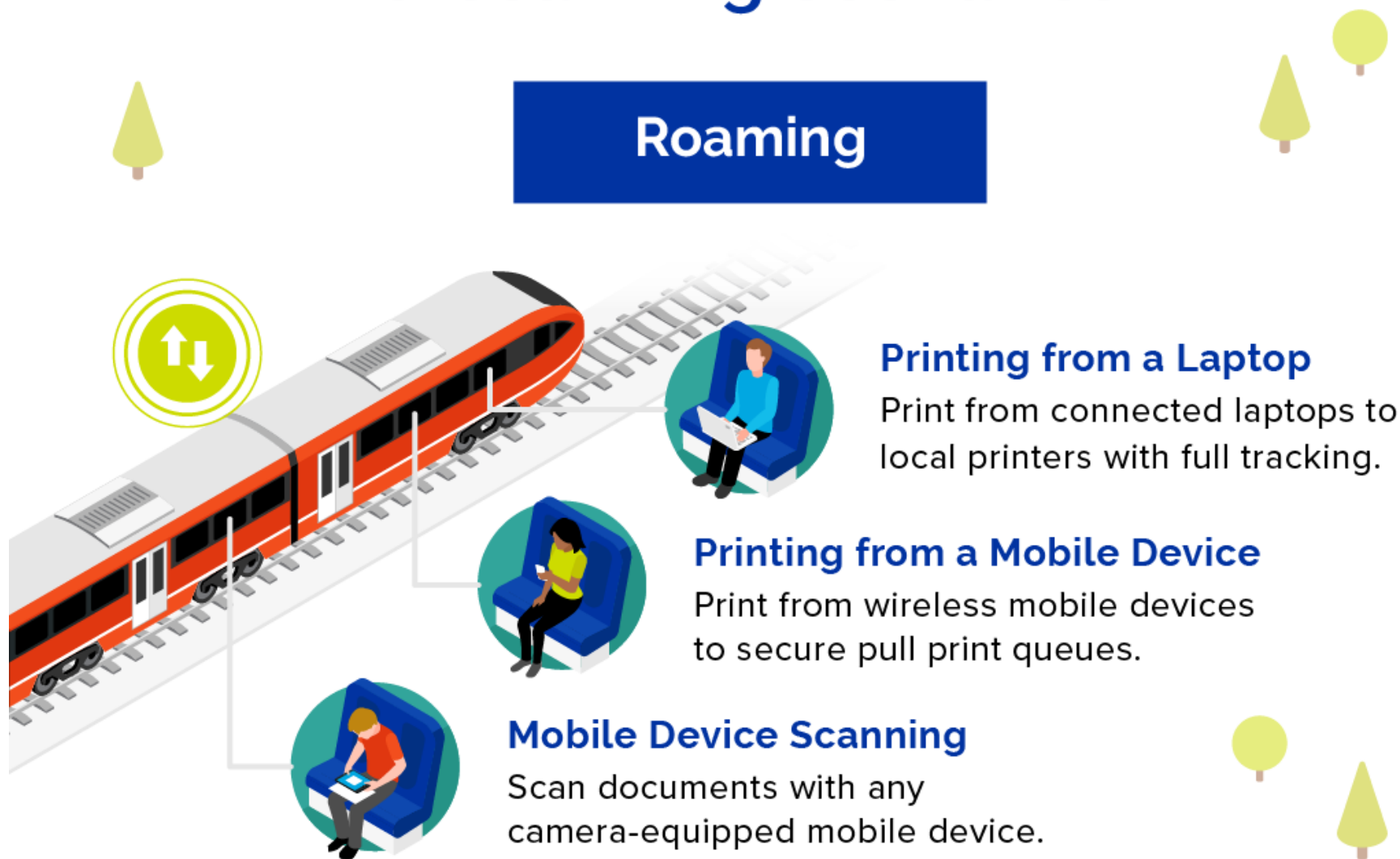
### Business Application Printing

Securely print from  
business apps to home  
printers via HTTPS.



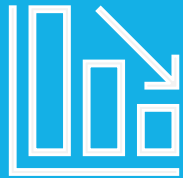
# Real-world Internet Printing & Scanning Scenarios

## Roaming



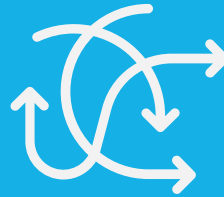
# LRS Managed Services

## Cost Efficiencies



- Staff focused on your core business, not output management
- Predictable subscription-based costs
- Established SLA's promote efficiency & productivity
- Continuous monitoring reduces downtime and service failure costs

## LRS Expertise



- IT solutions have become more complex, requiring new skills and proficiencies
- MS Tech's have direct access to LRS product support & development teams
- Established LRS best practices and continuous service improvement plans

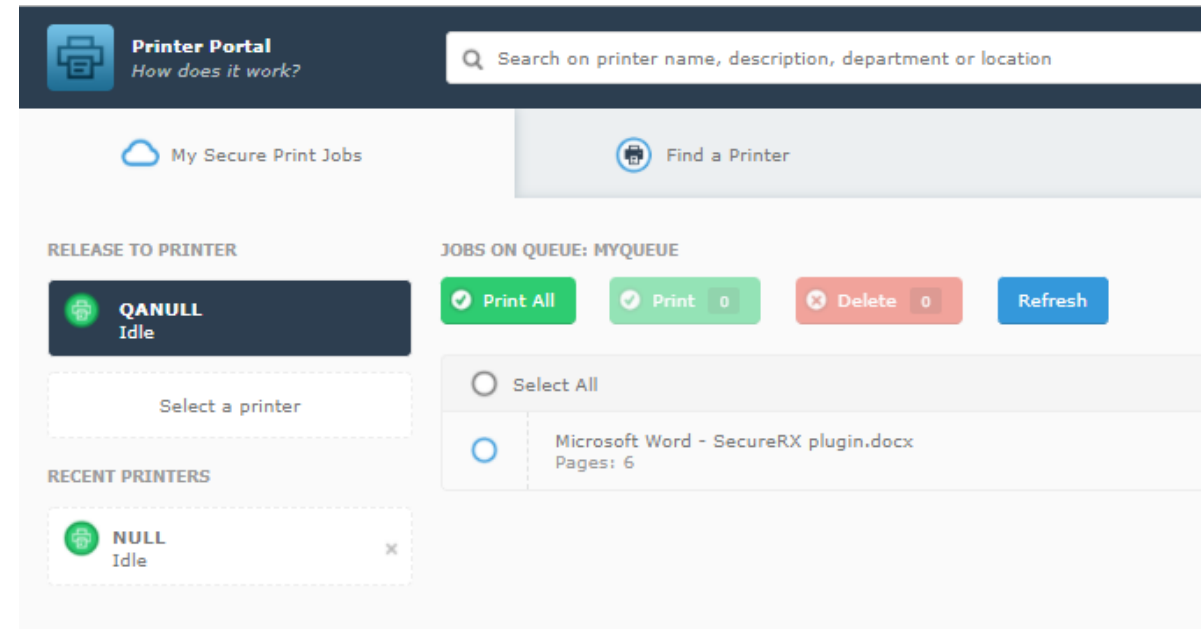
## Risk Mitigation



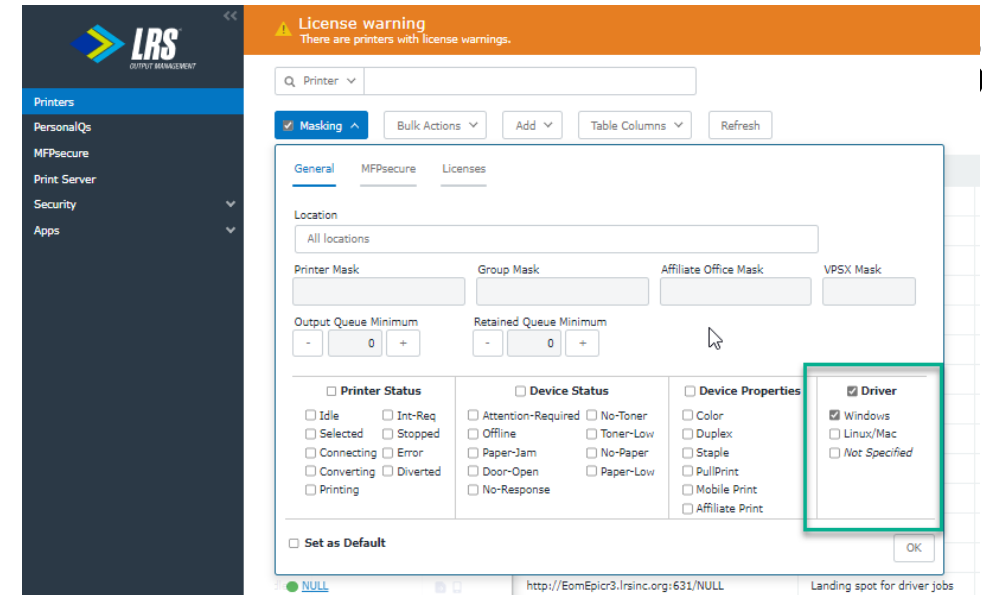
- Continuous monitoring – proactively manage critical business interruptions
- Pre-emptive problem resolution
- Scalable solutions to manage growth and increasing service needs

# VPSX R3

- VPSX V1R3 release through Release 28
  - Updates to the Printer Portal
  - Jobs can be selectively released via the Web Portal



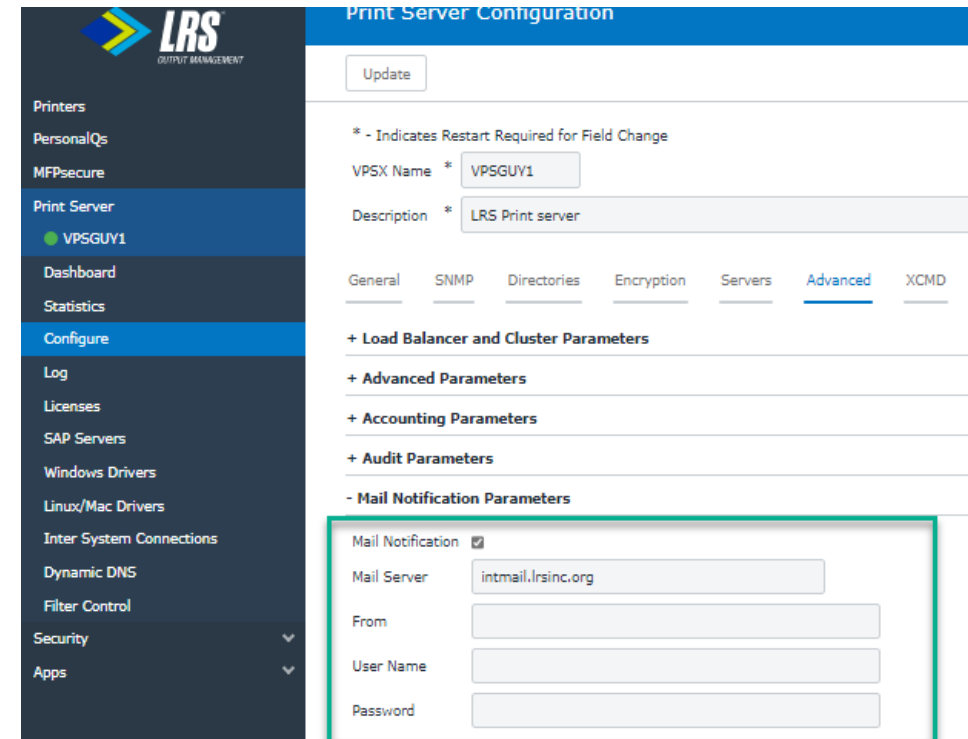
- Updates to the UI
  - Increased masking ability – Drivers
  - This helps admins understand which drivers are assigned to queues.



Printer Information	Properties	Printer URL	Printer Long Name	Queued	Retained	Driver	Printer Driver
336X		http://EomEpic3.lrsinc.org:631/336X	test for dennis & dave	0	0	Windows Driver	Linux/Mac Driver
CANON		http://EomEpic3.lrsinc.org:631/CANON		0	0	HP Universal Printing PCL 5 (v5.9.0) <+> Version (06/17/2014,61.170.01.18326)	
EPIC		http://EomEpic3.lrsinc.org:631/EPIC	Test Epic conversion	1	0	Lexmark Universal v2 <+> Version (01/08/2016,2.15.0.0)	generic.ppd
EPIC-BATCH		http://EomEpic3.lrsinc.org:631/EPIC-BATCH	Landing spot for batch	0	0	LRS Universal Printer Driver (1.1.0.19) <+> Version (01/09/2020,1.1.0.19)	
EPIC2		http://EomEpic3.lrsinc.org:631/EPIC2	Test Epic conversion	1	0	Lexmark Universal v2 <+> Version (01/08/2016,2.15.0.0)	generic.ppd
EPIC3		http://EomEpic3.lrsinc.org:631/EPIC3	Test Epic conversion	1	0	HP LaserJet 5	generic.ppd
EPIC4		http://EomEpic3.lrsinc.org:631/EPIC4	Test Epic conversion	1	0	HP LaserJet 5	generic.ppd
EPICNULL		http://EomEpic3.lrsinc.org:631/EPICNULL	EPICNULL	0	4	Lexmark Universal v2 <+> Version (01/08/2016,2.15.0.0)	generic.ppd

## VPSX R3

- More dynamic configuration change requiring less need for restart
- When any of these fields are updated, the VPSX server no longer needs to be restarted



The screenshot displays the LRS Print Server Configuration interface. The left sidebar shows the navigation menu with 'Print Server' selected and 'VPSGUY1' highlighted. The main content area is titled 'Print Server Configuration' and includes an 'Update' button. A note states: '\* - Indicates Restart Required for Field Change'. The configuration fields are as follows:

- VPSX Name: \* VPSGUY1
- Description: \* LRS Print server

The 'Advanced' tab is active, showing several expandable sections:

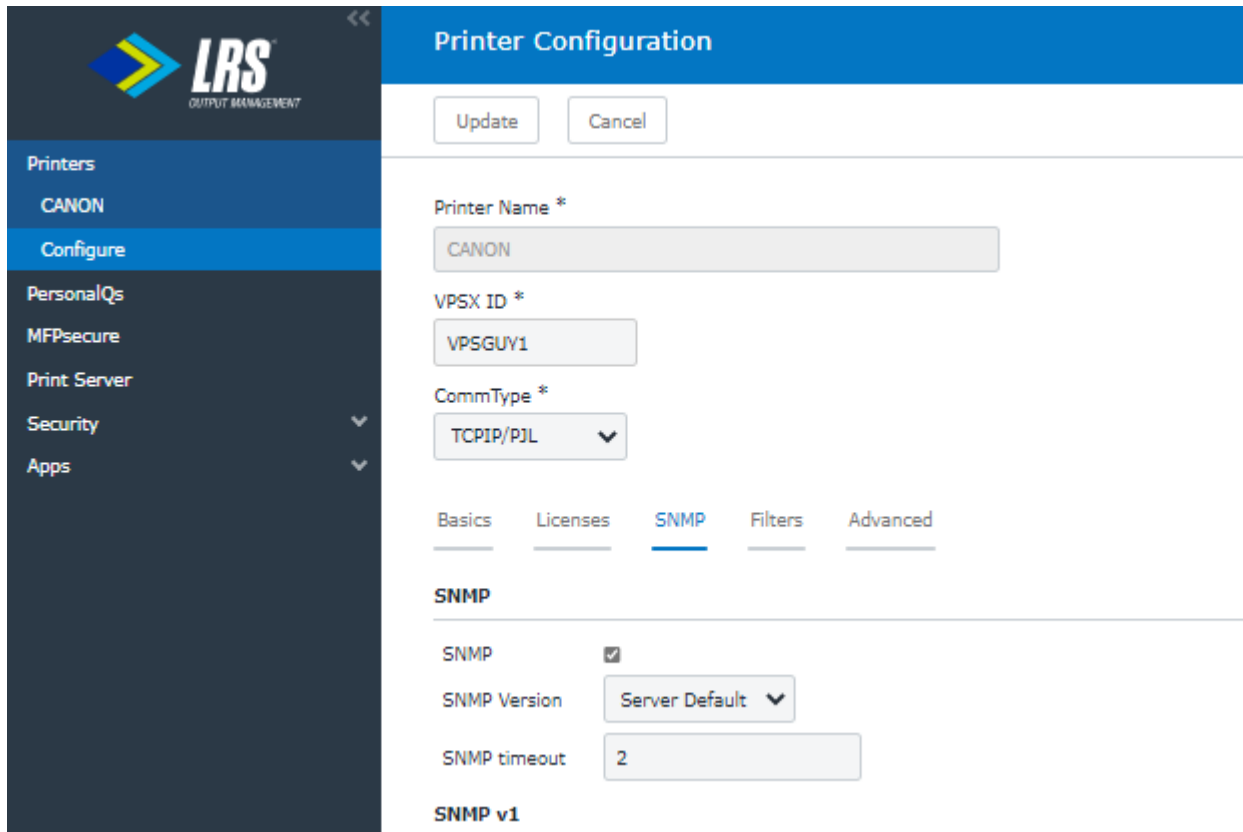
- + Load Balancer and Cluster Parameters
- + Advanced Parameters
- + Accounting Parameters
- + Audit Parameters
- Mail Notification Parameters

The 'Mail Notification Parameters' section is highlighted with a green border and contains the following fields:

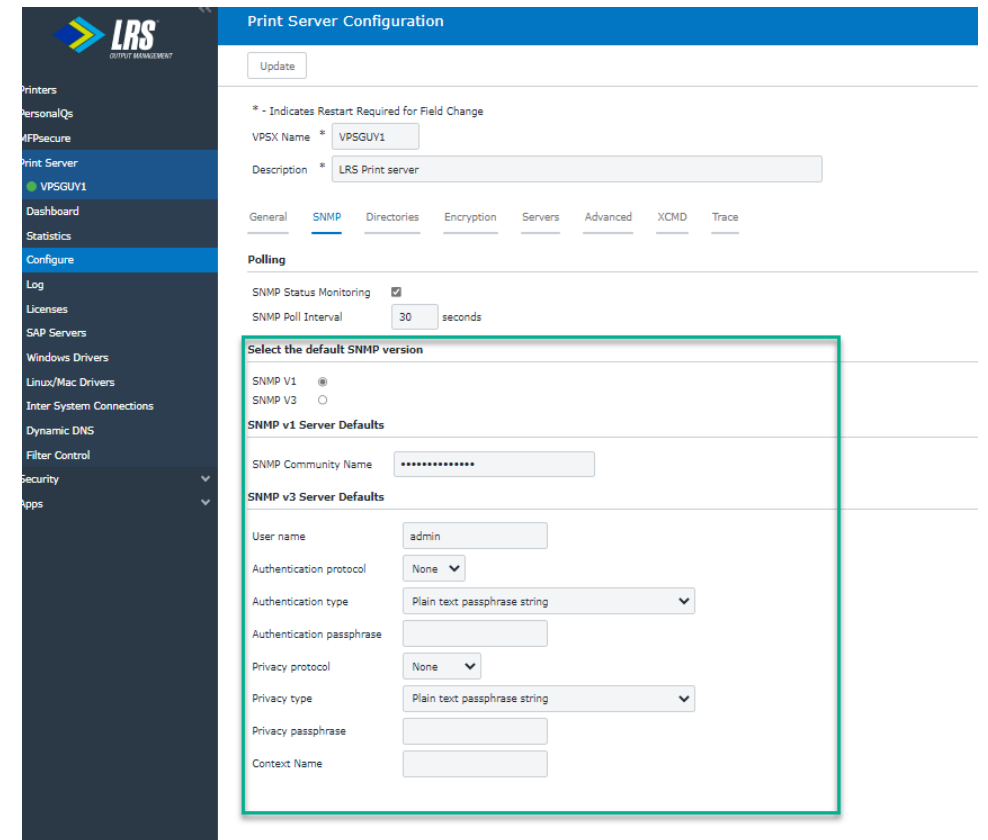
- Mail Notification:
- Mail Server: intmail.lrsinc.org
- From:
- User Name:
- Password:

- SNMP updates
  - Timeout
  - Community Name

## VPSX R3



The screenshot shows the 'Printer Configuration' interface for a Canon printer. The left sidebar contains navigation options: Printers, CANON, Configure, PersonalQs, MFPsecure, Print Server, Security, and Apps. The main content area is titled 'Printer Configuration' and includes 'Update' and 'Cancel' buttons. The printer name is 'CANON' and the VPSX ID is 'VPSGUY1'. The 'CommType' is set to 'TCP/IP/PJL'. Below this, there are tabs for 'Basics', 'Licenses', 'SNMP', 'Filters', and 'Advanced'. The 'SNMP' tab is active, showing a checked 'SNMP' checkbox, 'SNMP Version' set to 'Server Default', and 'SNMP timeout' set to '2'. The 'SNMP v1' section is partially visible at the bottom.



The screenshot shows the 'Print Server Configuration' interface. The left sidebar contains navigation options: Printers, PersonalQs, MFPsecure, Print Server (selected), Dashboard, Statistics, Configure, Log, Licenses, SAP Servers, Windows Drivers, Linux/Mac Drivers, Inter System Connections, Dynamic DNS, Filter Control, Security, and Apps. The main content area is titled 'Print Server Configuration' and includes an 'Update' button. The printer name is 'VPSGUY1' and the description is 'LRS Print server'. Below this, there are tabs for 'General', 'SNMP', 'Directories', 'Encryption', 'Servers', 'Advanced', 'XCMD', and 'Trace'. The 'SNMP' tab is active, showing a checked 'SNMP Status Monitoring' checkbox and 'SNMP Poll Interval' set to '30 seconds'. A green box highlights the 'Select the default SNMP version' section, which includes radio buttons for 'SNMP V1' (selected) and 'SNMP V3'. Below this, there are sections for 'SNMP v1 Server Defaults' and 'SNMP v3 Server Defaults', each with fields for 'User name', 'Authentication protocol', 'Authentication type', 'Authentication passphrase', 'Privacy protocol', 'Privacy type', 'Privacy passphrase', and 'Context Name'.

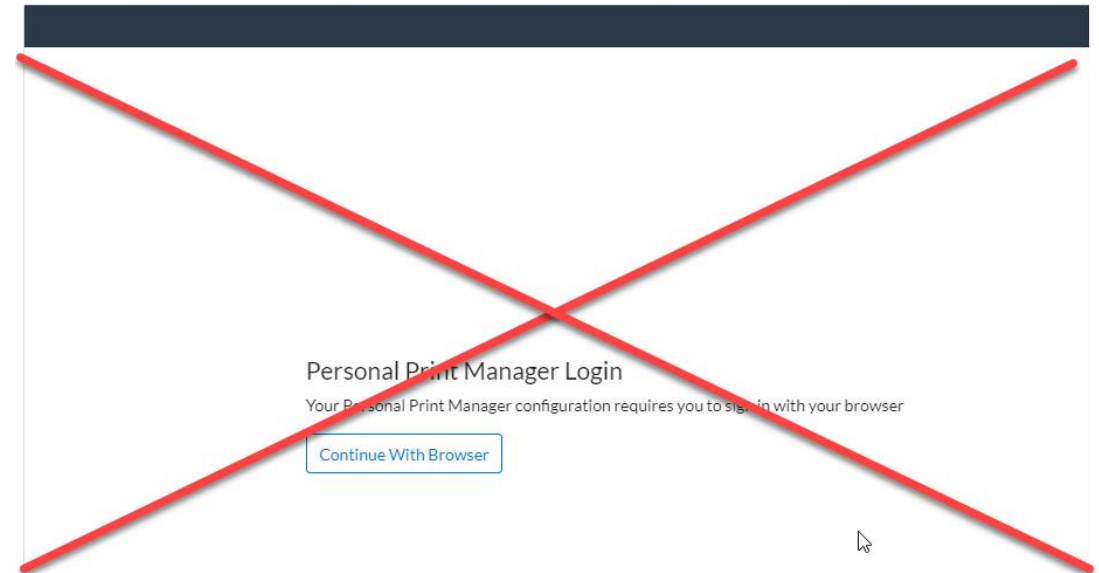
## VPSX R3

- Security and Performance Updates
- Update of the OpenSSL level to 1.1.1n
  - OpenSSL is used for several different encryption methods, and keeping it current reduces vulnerabilities, though LRS usage makes these things unlikely
- IPP performance updates
  - This has been a comprehensive theme for several releases as IPP is becoming more the print method of choice throughout the industry

# LRS/Gateway V1R3.012

## Personal Print Manager V1R3.020

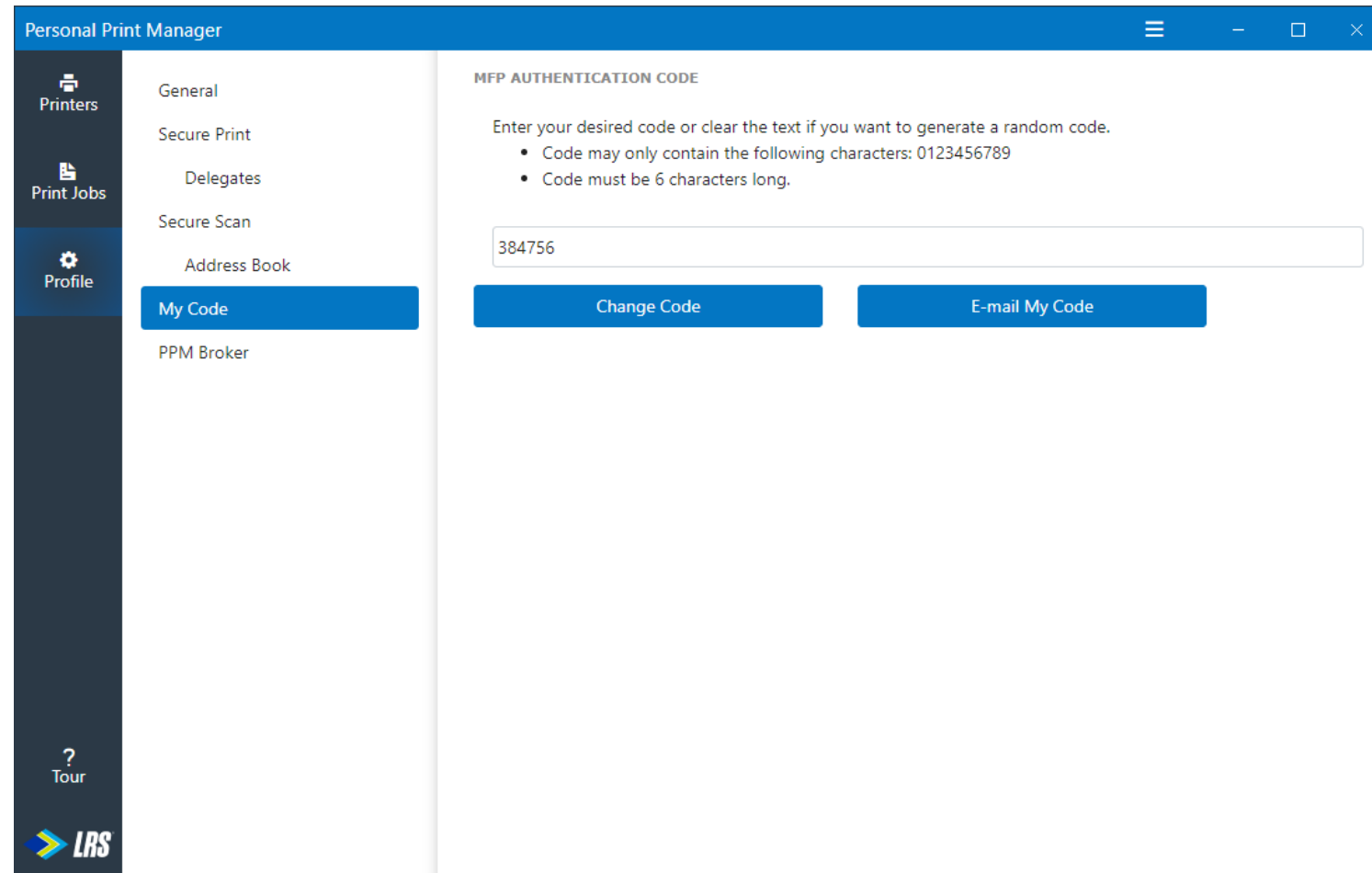
- Better SSO handling for Windows
  - When SSO is in play, no browser window appears
  - Note that this is Windows centric





# LRS/Gateway V1R3.012 Personal Print Manager V1R3.020

- Support for MyCode



# **LRS/Gateway V1R3.012**

## **Personal Print Manager V1R3.020**

- Added support for SecureScan agents
  - These agents were normally handled by MFPsecure tasks. As with many internet-only capabilities, this has moved to the LRS/Gateway
- Addition of TLS AD / LDAP support
  - Improved network security when LRS/Gateway is using AD or LDAP as the authentication authority

# Upcoming V1R3 Enhancements

- Enhancements for HP Off Printer Agent (OPA) performance
- Guest Printing API functions (delivered with V1R3.029)



## Innovate Audit Reporting Simplified Administration

Innovate/Audit

HW09999.LRSINC.ORG

Dashboard

Configure

Audit Processor

Log

### Audit Processor

Update

Version 15.00.2000

Database Name innovate2

Server Name HW09999\SQLEXPRESS01

Encrypt  Trust Server Certificate

Test connection

Administration

Advanced



Cost Model



- Cost Model
- Paper
- Environmental
- Redaction

Add

Modify

Delete

Name	Mono Cost	Color Cost
default	0.015	0.12
HP Universal Printing PCL 5 (v6.1.0)	0.015	0.188
Lemark Universal V2	0.015	0.12
Xerox GPD PS V3.7.469.9.0	0.015	0.12



## Innovate Audit Reporting Simplified Administration

Administration

Advanced

### - Cost Center Settings

costCenterAttribute	<input type="text" value="L,department"/>
costCenterCache	<input type="text" value="7"/>
costCenterDefaultValue	<input type="text" value="Not Set"/>
costCenterSep	<input type="text" value="/"/>
costCenterSource	<input type="text" value="0"/>

costCenterValidation

### + Department Settings

### + Domain Settings

### + Redaction Settings

### + Storage Settings

### + System Settings

### + User Settings



## **Innovate Audit Reporting** **Reduced complexity**

- Remove dependency on SSIS
  - Replaced with LRS native C# service
  - Greatly improved logging
- Remove requirement for SQL Agent Tasks
  - Replaced with Windows Scheduled Task (like Accounting Service)
  - Tells processor service to start audit load and associated processes
- Remove requirement for SQL Standard and SQL Enterprise\*
  - Yes, it will work with SQL Express and Azure SQL!
  - \* Cube (Standard or Enterprise) required for Excel direct access pivot function



## Innovate Audit Reporting Improved Logging

Innovate/Audit Log

Audit Processor Log

```
23 Jun 2022 08:41:00 IAPD0000I <$LOG$
23 Jun 2022 08:41:00 IAPD0000I <$LOG$
23 Jun 2022 08:41:00 IAPD0000I <$LOG$
23 Jun 2022 08:41:00 IAPD0000I <$LOG$
23 Jun 2022 08:41:00 IAPD0000I <$LOG$
23 Jun 2022 08:41:00 IAPD0000I <$LOG$
23 Jun 2022 08:41:00 IAPD0001I <$SCORE$
23 Jun 2022 08:41:00 IADP0003I <$APICORE$
23 Jun 2022 08:41:01 IADP0003I <$APICORE$
23 Jun 2022 08:41:01 IAPD0000I <$MAINS$
23 Jun 2022 08:41:26 IAPD0000I <$MAINS$
23 Jun 2022 08:42:08 IAPD0000I <$MAINS$
23 Jun 2022 08:42:08 IAPD0000I <$MAINS$
23 Jun 2022 08:42:08 IAPD0000I <$MAINS$
23 Jun 2022 08:42:09 IAPD0000I <$MAINS$
23 Jun 2022 08:42:10 IAPD0000I <$MAINS$

> ----- Innovate Audit Processor SYSTEM STATISTICS -----
> PROCESSOR VERSION(0.1.0.1 - (23 Jun 2022 08:41:00)) STARTED(23 Jun 2022 08:40:57)
> SERVER      DNS(HW09999)
> MEMORY     CURRENT(40.42MB) MAX(40.42MB)
> CLIENT     THREADS(29)
> ----- Innovate Audit Processor SYSTEM STATISTICS -----
> Starting Innovate Processor Service 0.1.0.1
> Innovate Processor API 0.9.9.9
> Listening on port 5709
> Developer Mode
> Request from ::1 - /API/Version
> Request from ::1 - /InnovateProcessor/Settings/ConnectionString/Get
> Request from ::1 - /InnovateProcessor/Settings/ConnectionString/Test
> Request from ::1 - /InnovateProcessor/Settings/DBSettings
> Request from ::1 - /InnovateProcessor/CostModel/Models/ReadAll
> Request from ::1 - /InnovateProcessor/Settings/ConnectionString/Get
```



## Innovate Audit Reporting Improved Logging

Innovate/Audit Log

Audit Processor Log

```

03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000050 IL0000 368 HP AC Print No
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000050 IL0000 370 HP AC Print for XT No
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000100 IL0000 369 HP AC Scan No
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000100 IL0000 367 HP Mobile Connector No
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000100 IL0000 362 HP output Central for EI No
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000100 IL0000 363 HP output Central for OM No
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000100 IL0000 364 HP output Central for MI No
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000000 IL0000 365 HP VSPA No
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000100 IL0000 366 HP IDB No
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > SUCCESSFULLY FINISHED PROCESSING PRODUCT LICENSE FILE - C:\LRSROOT\lrsoskey.lic
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > THE FOLLOWING KEYS WERE SELECTED
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Type Expiration Count CustID Key Product Name HostVer Host Name
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > -----
03 Aug 2022 08:38:36 ADX00018I <$MAIN$ > Trapped 05Nov2022 000100 IL0000 191 Innovate/Audit No
03 Aug 2022 08:38:36 ADX00030I <$MAIN$ > KEYADX KEY - CUSTID(IL0000) COPIES(100) EXPIRATION(NOV 05 2022) STATUS(TRAP)
03 Aug 2022 08:38:36 ADX00248I <$MAIN$ > KEYWORD ENCRYPTION - CONFIGURATION (NONE)
03 Aug 2022 08:38:36 ADX00245I <$MAIN$ > INITIALIZED CRYPTOGRAPHIC LIBRARY - OpenSSL 1.1.1d 10 Sep 2019
03 Aug 2022 08:38:36 ADX08282E <$MAIN$ > TLS/SSL SERVER REQUESTED BUT NO SSLCHAINFILE PARAMETER FOR CERTIFICATE
03 Aug 2022 08:38:36 ADX00010I <$MAIN$ > $CDSP$ THREAD ATTACHED TID(000002D8)
03 Aug 2022 08:38:36 ADX00010I <$MAIN$ > $IMP$ THREAD ATTACHED TID(000002EC)
03 Aug 2022 08:38:36 ADX00252I <$CDSP$ > OPENED API PORT - IPV4
03 Aug 2022 08:38:36 ADX00010I <$MAIN$ > $EXPR$ THREAD ATTACHED TID(000002F8)

```





## Innovate Audit Reporting Improved Logging

```
16 May 2022 17:28:04 IAPD0001I <$CORE$      > Starting Innovate Processor Service 0.1.0.1
16 May 2022 17:28:05 IAPD0003I <$APICORE$   > Innovate Processor API 0.9.9.9
16 May 2022 17:28:06 IAPD0000I <$MAIN$     > Listening on port 5708
16 May 2022 17:28:23 IAPD0000I <$MAIN$     > Starting Processor
16 May 2022 17:28:23 IAPD0002I <$PROCESSOR$ > Innovate Processor 1.0.0.0
16 May 2022 17:28:23 IAPD0002I <$PROCESSOR$ > Machine Name : HW09399
16 May 2022 17:28:23 IAPD0000D <$MAIN$     > Created Processor 'server=e4263vm07;database=innovate2;integrated security=true;'
16 May 2022 17:28:23 IAPD0002I <$PROCESSOR$ > Starting process
16 May 2022 17:28:23 IAPD0000D <$MAIN$     > RunOnce: StartUpOrderList.json
16 May 2022 17:28:23 IAPD0000D <$MAIN$     > Loaded StartUpOrderList.json containing 16 orders
16 May 2022 17:28:24 IAPD0000D <$MAIN$     > SQL Server Information
16 May 2022 17:28:24 IAPD0000I <$MAIN$     > SQL SRV Name : E4263VM07
16 May 2022 17:28:24 IAPD0000D <$MAIN$     > Product Name : Microsoft SQL Server 2017 (RTM)
16 May 2022 17:28:24 IAPD0000D <$MAIN$     > Edition      : Developer Edition (64-bit)
16 May 2022 17:28:24 IAPD0000D <$MAIN$     > Engine      : ENTERPRISE
16 May 2022 17:28:24 IAPD0000I <$MAIN$     > DB Version   : 14.0.1000.169
16 May 2022 17:28:24 IAPD0000D <$MAIN$     > SQL Version Passed
16 May 2022 17:28:24 IAPD0000I <$MAIN$     > Check Database Schema
16 May 2022 17:28:24 IAPD0000E <$MAIN$     > Database configured for SSIS, dbo.dataWareHouseProcess is present
16 May 2022 17:28:24 IAPD0000E <$MAIN$     > Check Database Schema Failed
16 May 2022 17:28:24 IAPD0000E <$MAIN$     > Error processing StartUpOrderList.json
16 May 2022 17:28:24 IAPD0000E <$MAIN$     > Error: SSIS processing is enabled
16 May 2022 17:28:24 IAPD0000E <$MAIN$     > Stop on Error
16 May 2022 17:28:24 IAPD0000E <$MAIN$     > Process terminated
```



## **Innovate Audit Reporting** **New data retention options**

- Redact User Name - Username will be set to **\*\*\*redacted\*\*\***
- Redact File Name - Filename will be set to **\*\*\*redacted\*\*\***
- Remove Extended Data -Extended Data, Extended Data 2, Printer uData, Udata, SAP, Mail, & AFP data will be set to defaults
- Remove Records after - Remove entire print record from Fact\_Job table
- Remove Orphans Clean up record space to remove items no longer required  
If enabled, runs on a defined schedule monthly

*Settings are individually configurable: X Days after print create date*



## **Innovate Audit Reporting** **Built in data management options**

### **Customer Requirements - Large Data Sets**

- Our database now has half a billion records HELP!
- We don't need records older than 3 years

### **Remove Records after**

- Remove entire print record from Fact\_Job table
- Set RemoveRecord to 1095 Days

### **Remove Orphans**

- Clean up record space to remove items no longer required
- Set RemoveOrphans to 1 (resource intensive - runs monthly)



## **Innovate Audit Reporting** **Built in data management options**

### **Customer Requirements example - Data Protection**

compliance reporting but have an internal GDPR requirement to delete them after 90 days

- Only need user level reporting for 180 days
- Require base information for 2 years

GDPR means we have to

- Filenames required for remove all records older than 4 years

Set RemoveFileName to 90

Set RemoveUser to 180

Set RemoveExtendedData to 730

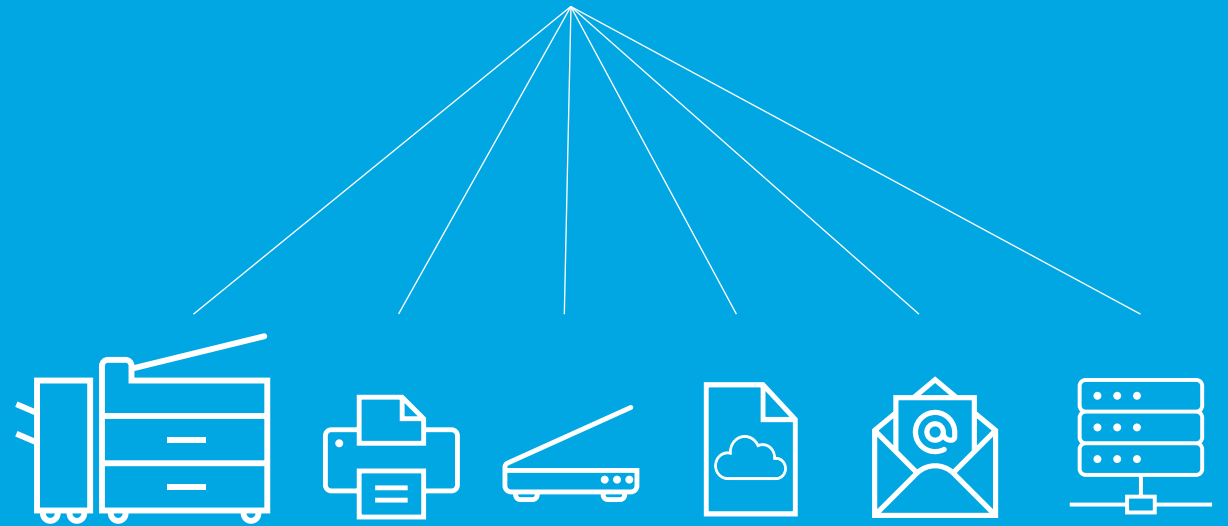
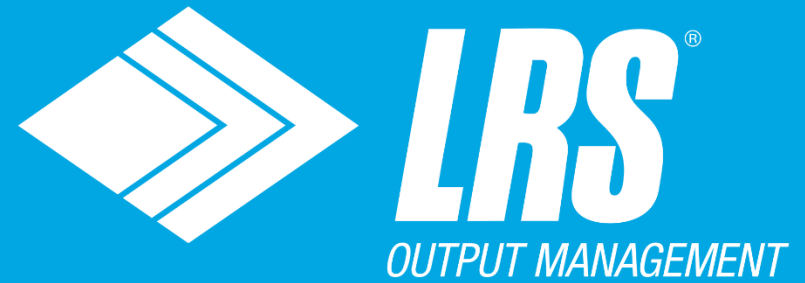
Set RemoveRecord to 1460



## **Innovate Audit Reporting** **Additional data sources**

- Gateway User Information Lookup
  - Use Gateway API for User, Department, and Cost Center Lookups
- Active Directory
  - Directory Services (AD-DS)
  - Application Directory Services (AD-LDS)
- UDATA Department and Cost Center Lookups
  - Use UDATA fields 1-16 for Department and/or Cost Center information

# Printing from S/4 HANA Public Cloud



Complete visibility and control over your entire printing environment – any document, any platform, any destination



## **Recap - VPSX Output Manager**

- Is the LRS integration for SAP printing for all SAP ABAP stack and dual stack-based printing
- Interface is fully described in SAP documentation for BC-XOM
- VPSX Output Manager certified by the ICC with SAP S/4HANA
- Only systems with access to SAP ABAP stack can use BC-XOM
- SAP Spool only runs on ABAP stacks



## **SAP Systems without BC-XOM (No SAP Spool)**

- SAP public cloud distribution (S/4HANA (ES) – Essentials)
- SAP DMC (Digital Manufacturing Cloud - Manufacturing Execution System in the Cloud)
- SAP MES (on premise – can ONLY print through a local CUPS system)
- A New interface has been created and is certifiable by SAP ICC
  - **S4HC-ES-PRINT-OMS**, available in two flavors
    - Communications Scenario 0466
    - Communications Scenario 0467
  - **BTP-PRINT-OMS** the new SAP Business Platform (same tech spec as above)





## **Communications Scenario 0466**

### **Basic Polling from customer server to SAP Cloud**

- First call gets an efficient checkpoint URL
- That URL goes invalid if new work arrives
- SAP Definition requires, Communication User, Communication Password, queue name, PDL for Queue



## Communications Scenario 0467

### Basic Notification service from SAP to customer server

- A notification URL is configured in the SAP cloud system
- A post is made to this URL when new print jobs are available
- SAP Definition requires, Communication User, Communication Password, User and Password for *outgoing* communication, Notification URL, queue name, PDL for Queue
- Network connectivity (typically a reverse proxy) is required between SAP cloud system and LRS component



## **SAP Cloud – Default Printing Options**

### **SAPCPRINT – SAP Cloud Print**

- SAP written software running at the customer site that polls the SAP Cloud systems for new print jobs and downloads those print jobs. In the SAP cloud systems, there are different named queues for output, assigned to and accessible through Communication Users. SAPCPRINT maps those queues to particular windows print queues for each defined Communication User
- AFAWK SAPCPRINT is communication Scenario 0466 only (polling)
- Throughput figures published by SAP ICC show that SAPCPrint is quite slow. An example being 7000 1 page PDF in a single queue, would take 5 hours 40 minutes to transfer (20 pages per minute).



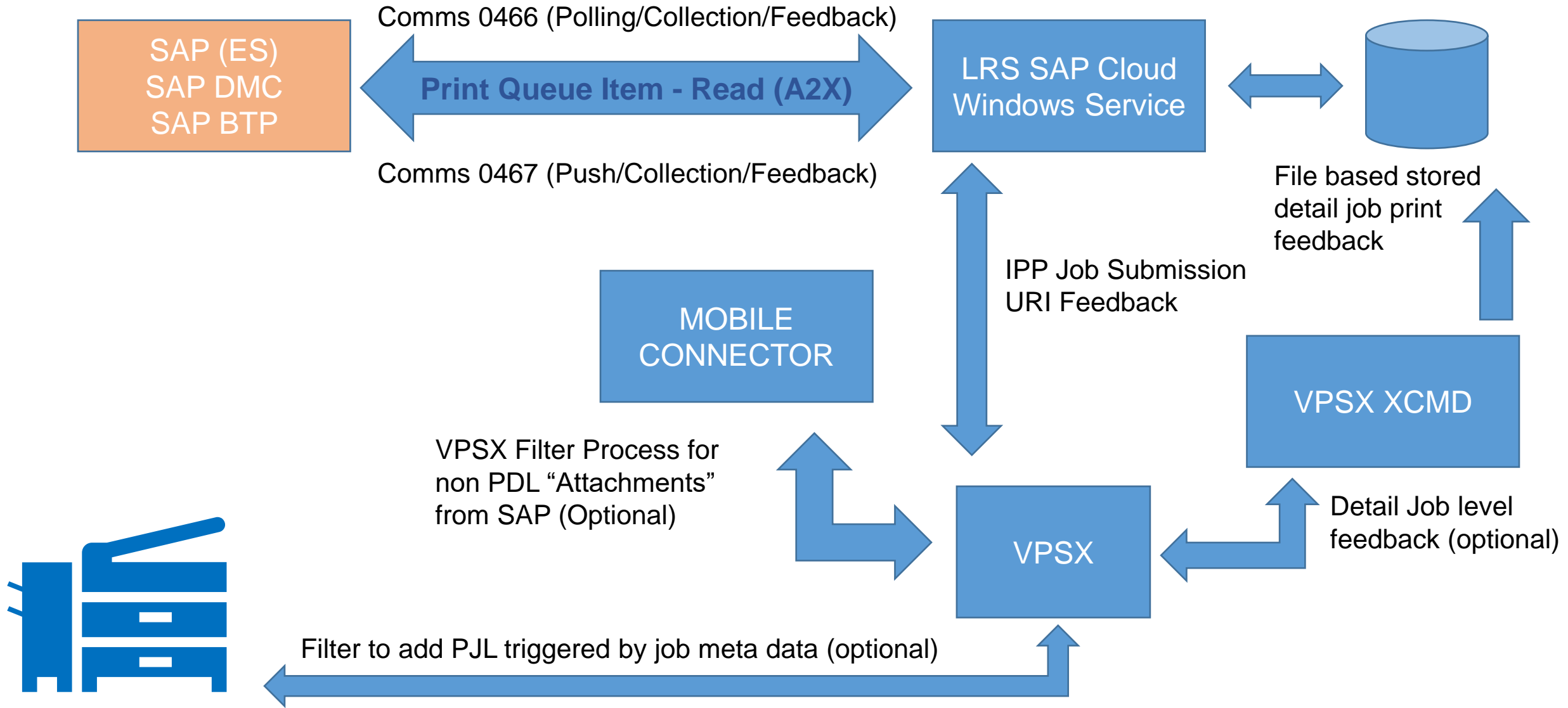
## What is printed from the SAP Cloud?

The output is available in a wide variety of PDL's

- PDF ( 1.6 - Adobe 7.0, **Adobe LifeCycle Designer ES 9.0** – clearly ADS)
- CAB 203 dpi, CAB 300 dpi
- Datamax 203 dpi, Datamax 300 dpi, Datamax 406 dpi, Datamax 600 dpi
- HP LaserJet 4350 PCL 5e, HP LaserJet 4350 PS
- PCL 5c (Color), PCL 5e (Monochrome)
- Intermecc 203 dpi, Intermecc 300 dpi, Intermecc 400 dpi
- Lexmark T644 PCL 5e, Lexmark T644 PS
- PostScript 2, PostScript 3
- Toshiba 203 dpi, Toshiba 305 dpi, Toshiba 600 dpi
- XMLDATA
- Zebra 203 dpi, Zebra 300 dpi, Zebra 600 dpi



## Prototype S/4HC-ES-PRINT-OMS





## Implementation Details

23 Jul 2022 19:19:28 SCPS0001I <\$CORE\$  
23 Jul 2022 19:19:30 SCPS0001I <\$CORE\$  
23 Jul 2022 19:19:30 SCPS0002I <\$Cache\$

23 Jul 2022 19:19:32 SCPS0000I <\$MAIN\$  
23 Jul 2022 19:19:32 SCPS0000I <Feedback  
23 Jul 2022 19:19:33 SCPS0002I <\$Cache\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$  
23 Jul 2022 19:19:33 SCPS0040I <\$DLM\$

> Starting SAP 4/HANA Cloud Print Service 1.0.0.0  
> Communication Scenario Selected is S466  
> Running Worker for IONAS\_COMMSUSER001 on  
<https://my302346-api.s4hana.ondemand.com>  
> IcmCacheResponse Valid  
> Feedback Thread Starting  
> First Run ignoring 19000101000000  
> Queue IONAS\_ZEBRA added to download manager  
> Queue IONAS\_VIEW added to download manager  
> Queue IONAS\_ATTACHMENT added to download manager  
> Queue IONAS\_FOLLOW\_ME added to download manager  
> Queue IONAS\_VIEW2 added to download manager  
> Queue IONAS\_NPI1496AB\_MONO added to download manager  
> Queue IONAS\_XML added to download manager  
> Queue IONAS\_PS added to download manager  
> Queue IONAS\_HOLDQ added to download manager  
> Queue IONAS\_NPI1496AB added to download manager



## Implementation Details

Standard\_IONAS\* ▾

Go Hide Filter Bar Filters (1)

Status:  Print User:  Failed Items:  Queue:

Queues (16) New Change Delete Pause Restart Manage Print Profiles Migrate

<input type="checkbox"/> Queue	Description	Status	Print User	Items	Failed Items	Queue Size	Format	Print Queue Type
<input type="checkbox"/> IONAS_ATTACHMENT	Attachment testing	Resume	IONAS_COMMSUSER001	0	0	0 Byte	PDF	OMS for Pull Integration Queue >
<input type="checkbox"/> IONAS_FOLLOW_ME	Traditional Local Follow Me - Currently Business user is blank use Alias	Resume	IONAS_COMMSUSER001	105	1	6.34 MB	PDF	OMS for Pull Integration Queue >
<input type="checkbox"/> IONAS_HOLDQ	LOGICAL HOLD	Resume	IONAS_COMMSUSER001	127	1	7.66 MB	PDF	OMS for Pull Integration Queue >



## Implementation Details

< SAP Print Queue ▾



Standard\_IONAS\* ▾

Go Hide Filter Bar Filters

Main Document:  From:  Created On:

IONAS\_HOLDQ (LOGICAL HOLD)

7.66 MB  
Queue Size

Format: PDF

[Resume](#)

Items: 127

Retention Period: 255 Days

Last Retrieval On: Thu Apr 28 2022 15:36:47 GMT+0200 (Mittleuropäische Sommerzeit)

Items (127)

Delete Reassign Modify Status Create Test Page

<input type="checkbox"/>	Main Document	Number of Copies	From	Status		Item Size	Created On	Attachments
<input type="checkbox"/>	Test Page	1	Ken Ratliff	successful		60.34 KB	Tue Apr 26 2022 15:38:08 GMT+0200 (Mittleuropäische Sommerzeit)	
<input type="checkbox"/>	Test Page	1	Ken Ratliff	failed		60.34 KB	Tue Apr 26 2022 11:56:22 GMT+0200 (Mittleuropäische Sommerzeit)	
<input type="checkbox"/>	Test Page	1	Ken Ratliff	pending		60.34 KB	Wed Apr 27 2022 11:23:51 GMT+0200 (Mittleuropäische Sommerzeit)	





## Implementation Details

Items (127) Delete Reassi

<input type="checkbox"/>	Main Document	Number of Copies	From	Status	Item Size	Created On
<input type="checkbox"/>	Test Page	1	Ken Ratliff	successful	60.34 KB	Tue Apr 26 2022 15:38:08 GMT+0200 (Mittleuropäische Sommerzeit)
<input type="checkbox"/>	Test Page	1				22 11:56:22 GMT+0200 (Mittleuropäische Sommerzeit)
<input type="checkbox"/>	Test Page	1	Ken Ratliff	pending	60.34 KB	Wed Apr 27 2022 11:23:51 GMT+0200 (Mittleuropäische Sommerzeit)

Print Manager Status

26-04-2022 22:41:27 Printed or Delete after Print Job.expired.from.retained.queue

The 5 SAP statuses are:

- New - Not yet collected by SEPO
- Transmitted - Collected by SEPO, but not yet in VPSX
- Pending - Non-permanent status (e.g. QUEUED)
- Failed - Error status (e.g. HOLD-ERROR)
- Successful - Permanent status (e.g. PRINTED, PRINTED AND RETAINED)



## Example print with issue

<input type="checkbox"/> Test Page	1	Ken Ratliff	failed		60.34 KB	Mon Aug 01 2022 11:48:50 GMT+0200 (Mittleuropäische Sommerzeit)
				<b>Print Manager Status</b>		
				Printer IONAS_HOLDQ is not defined		

Corrected:

<input type="checkbox"/> Test Page	1	Ken Ratliff	successful		60.34 KB	Mon Aug 01 2022 11:52:44 GMT+0200 (Mittleuropäische Sommerzeit)
				<b>Print Manager Status</b>		
				JOB_PRINTED_RET_PRINTER(IONAS_HOLDQ)		



## Implementation Details

01 Aug 2022 11:48:54 SCPS0002I <\$Cache\$ > Status has changed 20220801094850.58  
01 Aug 2022 11:48:54 SCPS0000I <IONAS\_HOLDQ > Download started https://my302346-api.s4hana.ondemand.com/  
01 Aug 2022 11:48:55 VAPI0001E <IONAS\_HOLDQ > 1 - Printer IONAS\_HOLDQ is not defined  
01 Aug 2022 11:48:55 SCPS0000I <IONAS\_HOLDQ > Downloaded 92.16 kb at an average rate of 92.16 kb/s. Nr of jobs in batch - 1  
01 Aug 2022 11:48:56 SCPS0000I <IONAS\_HOLDQ > S4/HANA updated FA163E13E0D61EED84AFE4A90F884F54 - Printer  
IONAS\_HOLDQ is not defined  
01 Aug 2022 11:48:56 SCPS0000I <IONAS\_HOLDQ > Download complete  
01 Aug 2022 11:52:47 SCPS0002I <\$Cache\$ > Status has changed 20220801095244.902  
01 Aug 2022 11:52:48 SCPS0000I <IONAS\_HOLDQ > Download started https://my302346-api.s4hana.ondemand.com/  
01 Aug 2022 11:52:48 VAPI0001I <IONAS\_HOLDQ > Test Page Bytes(60344) ipp://HW09788:631/IONAS\_HOLDQ/21314780  
01 Aug 2022 11:52:48 SCPS0000I <IONAS\_HOLDQ > Downloaded 92.16 kb at an average rate of ∞ kb/s. Nr of jobs in batch - 1  
01 Aug 2022 11:52:49 SCPS0000I <IONAS\_HOLDQ > S4/HANA updated FA163E13E0D61EED84AFF622173F9056 -  
ipp://HW09788:631/IONAS\_HOLDQ/21314780  
01 Aug 2022 11:52:49 SCPS0000I <IONAS\_HOLDQ > Download complete  
01 Aug 2022 11:52:50 SCPS0000I <IONAS\_HOLDQ > S4/HANA updated FA163E13E0D61EED84AFF622173F9056 -  
JOB\_PRINTED\_RET\_PRINTER(IONAS\_HOLDQ)



## Implementation Details

21 Jul 2022 14:43:59 SCPS0001I <\$CORE\$ > Starting SAP 4/HANA Cloud Print Service 1.0.0.0  
21 Jul 2022 14:44:00 SCPS0001I <\$CORE\$ > Communication Scenario Selected is S467  
21 Jul 2022 14:44:00 SCPS0002I <\$W84Notify\$ > Running Worker for IONAS\_USERCOMMS002 on <https://my302346-api.s4hana.ondemand.com>  
21 Jul 2022 14:44:00 SCPS0000I <Feedback > Feedback Thread Starting  
21 Jul 2022 14:44:00 SCPS0002I <\$W84Notify\$ > Listening on [https://\\*:21000/SAPCP/](https://*:21000/SAPCP/)

21 Juli 2022 16:22:36 SCPS0002I <\$W84Notify\$ > Pull Request received from [a808:2123:c105:62a5:d116:6397%22]:60710 Post Data was validated  
21 Juli 2022 16:22:38 SCPS0040I <\$DLMS\$ > Queue IONAS\_NOTIFICATION\_PRINT added to download manager  
21 Juli 2022 16:22:38 SCPS0040I <\$DLMS\$ > Queue IONAS\_PULLPRINT added to download manager

11 Juli 2022 16:24:00 VAPI0001I <IONAS\_PULLPRINT > IONAS\_ATTACHMENT#SAP Testpage Printer#000005.pdf Bytes(60344) ipp://HW09788:631/IONAS\_PULLPRINT/21314718  
11 Juli 2022 16:24:00 VAPI0001I <IONAS\_PULLPRINT > IONAS\_ATTACHMENT#SAP Certification.pptx Bytes(200788) ipp://HW09788:631/IONAS\_PULLPRINT/21314719  
11 Juli 2022 16:24:01 SCPS0000I <IONAS\_PULLPRINT > S4/HANA updated FA163E13E0D61EECB1A920E7FFDB44D7 - ipp://HW09788:631/IONAS\_PULLPRINT/21314719  
11 Juli 2022 16:24:01 SCPS0000I <IONAS\_PULLPRINT > S4/HANA updated FA163E13E0D61EECB1A920E7FFDB44D7 - ipp://HW09788:631/IONAS\_PULLPRINT/21314718  
11 Juli 2022 16:24:02 VAPI0001I <IONAS\_PULLPRINT > IONAS\_ATTACHMENT#Dummy PDF file#000001.pdf Bytes(13264) ipp://HW09788:631/IONAS\_PULLPRINT/21314720  
11 Juli 2022 16:24:02 VAPI0001I <IONAS\_PULLPRINT > IONAS\_ATTACHMENT#SAP Certification.ps Bytes(474188) ipp://HW09788:631/IONAS\_PULLPRINT/21314721  
11 Juli 2022 16:24:02 SCPS0000I <IONAS\_PULLPRINT > S4/HANA updated FA163E13E0D61EECB1A923AAB4BE84F6 - ipp://HW09788:631/IONAS\_PULLPRINT/21314720  
11 Juli 2022 16:24:02 SCPS0000I <IONAS\_PULLPRINT > S4/HANA updated FA163E13E0D61EECB1A923AAB4BE84F6 - ipp://HW09788:631/IONAS\_PULLPRINT/21314721



## **LRS Throughput, Scaling, HA**

- Internal Tests showing roughly 1000% (10 times) faster than ICC reports on SAPCPrint
  - 230 Jobs per minute per queue ( 60344 Bytes)
  - 152 Jobs per minute per queue (183055 Bytes)
- Limiting Factor appears to be Internet bandwidth and IO maximum throughput available on an image
- Active / Active should not be configured with the same communication user / queues
  - Possible to scale using different communications user and queues



## **SAP MetaData**

- Print Job meta data is available, contains only number of copies, print in color, start-page and end-page (ALL), at present, this will expand...
- For ownership, no business user ID is available! (Comms user is available)
- VPSX Filters and Transforms can enable pull print/accounting, transforms other device types and set finishing options such as Duplex/Simplex, Color/Mono, Staple, Paper size, etc



## **Availability**

- Prototype is available now for beta testing
- GA
  - LRS will consider adding to VPSX V1R4, with additional license type (different to Output Manager)
- SAP
  - Certification will be completed prior to GA



## Customer Questions - Frankfurt

- Are there intentions to simplify licence management, e.g. by developing a central licence/administration console to simplify the administration of all customers with the most important parameters (licences, M&S, software versions, etc.)?
- In almost all projects, a scan to OneDrive is required. This is increasingly replacing the users' home directories. Therefore, it would be very desirable to equip the OneDrive scan variant with this feature, or with extended application/storage destinations in the standard?
- Much revolves around data leak/less prevention. Especially for printing, there is no standardised approach yet. What future possibilities will there be on the part of LRS in this direction?



# **Data Loss Protection / Secure Print Monitoring – Typical Customer Requirements**

- Allow security department to monitor what has been printed by workstation users
  - View and Reprint document
  - Check details for document name, who printed it, printer name, date and time
- Allow security department to be alerted when:
  - defined words or phrases are present in print files
  - ‘under investigation’ users print
- Permit only the security department access to this facility
- Provide detailed logging of all access to the system

# LRS Secure Print Monitoring

Folder Explorer

Admin Preferences Help Logoff

*Folders Organized by Date*

Current folder path: [root] / Secure Copy / 2014\_12\_December /

Show: Folders/Documents

File Advanced Add to Favorites Add Folder Upload Options

Name	Author	Type	Page Count	Revision	VPSX Printer Queue	Print Date	Print Time	Department	Submitted from	Last Access Date	Last Accessed By (Userid)
<i>(up one level)</i>											
10_Wednesday		File Folder									
11_Thursday		File Folder									
12_Friday		File Folder									

Entire List Selected: 0 Remember Selection

Folder Explorer

Admin Preferences Help Logoff

*Customizable meta-data* *Search*

Current folder path: [root] / Secure Copy / 2014\_12\_December / 12\_Friday /

Show: Folders/Documents

File Advanced Add to Favorites Add Folder Upload Options

Name	Author	Type	Page Count	Revision	VPSX Printer Queue	Print Date	Print Time	Department	Submitted from	Last Access Date	Last Accessed By (Userid)
<i>(up one level)</i>											
colour_sixpage_brochure.pcl	dyer	PCL Document	6		SC_PRT004	14:00:30	20141212		HW06975	Not accessed	N/A
FCR_01234567890X.pcl	damusera	PCL Document	1		SC_PRT005	15:06:21	20141212		HW06975	Not accessed	N/A
FCR_34567890123Y.pcl	damuserc	PCL Document	1		SC_PRT005	15:06:22	20141212		HW06975	Not accessed	N/A
HBL_01234567890X.pcl	damusera	PCL Document	1		SC_PRT005	15:06:22	20141212		HW06975	Not accessed	N/A
HBL_34567890123Y.pcl	damuserc	PCL Document	1		SC_PRT005	15:06:22	20141212		HW06975	Not accessed	N/A
Microsoft Office Outlook - Memo Style.PCL	jones	PCL Document	2		SC_PRT005	13:00:30	20141212		HW06975	Not accessed	N/A
Microsoft Outlook - Memo Style.PCL6	Ladd	PCL6 Document	0		SC_PRT004	15:06:56	20141212		HW06975.lrsinc.org	Not accessed	N/A
Microsoft PowerPoint - DB Lexmark CISO Briefing.pptx	Ladd	PPTX Document	0		SC_PRT001	14:32:48	20141212		HW06975.lrsinc.org	2014/12/12 14:55:05	admin
Microsoft Word - phonebook.doc	Ladd	DOC Document	0		SC_PRT002	15:07:09	20141212		HW06975.lrsinc.org	Not accessed	N/A

Entire List Selected: 0 Remember Selection

*Browse or Reprint*



**Search via Folder Explorer**

# LRS Secure Print Monitoring

Advanced search using meta-data

LRS PageCenterX - admin Admin Preferences Help Logoff

**Advanced Search**

*Search by Author*

Current folder path: [root] / Secure Copy /

Search LRS Workflow LRS Invoices History User Searches System Searches Results Found: 7 | Folders Searched: 5

File Advanced Add to Favorites Options

Search Completed

**Advanced Search Criteria**

Include Subfolders:  Include Parent Folders:  Include Metadata:   
 Include All Revisions:  Match Any Search Field:

Author:  Department:   
 Fuzzy Searching:  VPSX Printer Queue:   
 Print Time:  Submitted from:

<input type="checkbox"/> Name	Author	Page Count	Revision	Print Date	Print Time	VPSX Printer Queue	Submitted from	Last Access Date	Last Accessed By (Userid)
<input type="checkbox"/> Microsoft Outlook - Memo Style.PCL6	Ladd	0		15:06:56	20141212	SC_PRT004	HW06975.Irsinc.org	Not accessed	N/A
<input type="checkbox"/> Microsoft Outlook - Memo Style.PCL6	Ladd	0		15:06:56	20141212	SC_PRT004	HW06975.Irsinc.org	Not accessed	N/A
<input type="checkbox"/> Microsoft Outlook - Memo Style.PCL6	Ladd	0		15:06:55	20141212	SC_PRT004	HW06975.Irsinc.org	Not accessed	N/A
<input type="checkbox"/> Microsoft Outlook - Memo Style.PCL6	Ladd	0		15:06:55	20141212	SC_PRT004	HW06975.Irsinc.org	Not accessed	N/A
<input type="checkbox"/> Microsoft Outlook - Memo Style.PCL6	Ladd	0		15:06:55	20141212	SC_PRT004	HW06975.Irsinc.org	Not accessed	N/A
<input type="checkbox"/> Microsoft PowerPoint - DB Lexmark CISO Briefing.pptx	Ladd	0		14:32:48	20141212	SC_PRT001	HW06975.Irsinc.org	2014/12/12 15:31:35	admin
<input type="checkbox"/> Microsoft Word - phonebook.doc	Ladd	0		15:07:09	20141212	SC_PRT002	HW06975.Irsinc.org	Not accessed	N/A

Entire List Selected: 0  Remember Selection



# LRS Secure Print Monitoring

LRS PageCenterX - admin **Advanced Search** Admin Preferences Help Logoff

Current folder path: [root] / Secure Copy /

Search LRS Workflow LRS Invoices History User Searches System Searches Results Found: 1 | Folders Searched: 7

File Advanced Add to Favorites Options

special arrangement    Search Completed

**Advanced Search Criteria**

Include Subfolders:  Include Parent Folders:   
 Include Metadata:  Include All Revisions:   
 Match Any Search Field:   
 One or More of These Words:   
 None of These Words:   
 Fuzzy Searching: 10% Author:   
 Time Range:  :  :  -  :  :  Print Date:   
 Print Time:  Submitted From:   
 VPSX Printer Queue:

Name	Author	Page Count	Revision	Print Date	Print Time	VPSX Printer Queue	Submitted From	Last Access Date	Last Accessed By (Userid)
Transaction_00000123.pdf	smith	1	1	20141215	12:08:44	SC_PRT002	HW/07007.lrsinc.org - Not accessed		N/A

Entire List Selected: 0  Remember Selection

Search for 'special arrangement'

Advanced search using full-text index

Looking for: special arrangement in the current document

Results: 1 document(s) with 1 instance(s)

pcx  
our special arrangement

Client Name	XYZ company limited
Client Address	Regent house, Rodney Road, Cheltenham, GLOS, UK GL50 1HX
Transaction Type	Currency exchange
Input Value	42000000
Output Value	£1720000
Transaction Date	15 December, 2014
Transaction Reference	LRS/00000123

Dear mr smith, this transaction as per our special arrangement

Levi, Ray & Shoup, Inc

# LRS User Konferenz 2022 Frankfurt





# EMEA Central Consulting

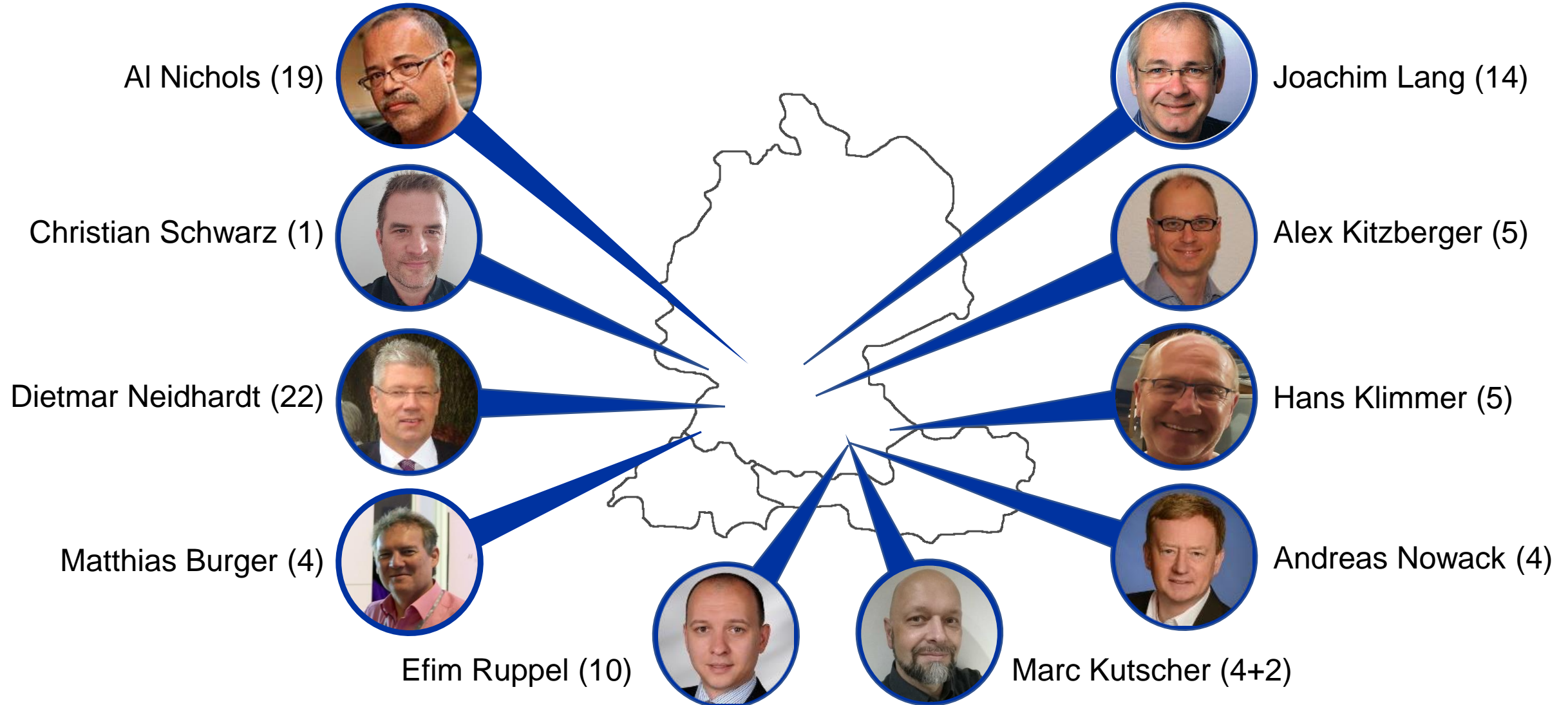


## Was wir tun

- Pre-Sales Support für LRS Software
  - Kundenpräsentationen, Kundenberatung, Ausschreibungen, PoCs, ...
- Post-Sales Support für LRS Software
  - Produktimplementierungen, Skripterstellung, Schulungen, Extended Engineering, Managed Services Support, ...
- Produktdokumentationen
  - Pre- und Post-Sales z. B. HLD/LLD, Produktpräsentationen, Betriebshandbücher, interne Dokumentationen, ...
- Projektmanagement
  - Pre- und Post-Sales Projektmanagement und -dokumentation



## Das EU Central SE/PM Team







# Serviceprojekte in DACH

# Großes Logistikunternehmen



## Anonymes Scannen mit MFPsecure/Scan

- Ein großes Logistikunternehmen wollte an Lagerstandorten (ca. 170), wo die Benutzer keine IT-Kenntnisse und keine Benutzerkonten haben, anonyme (ohne Benutzeranmeldung) Scan-Workflows auf den Multifunktionsgeräten nutzen.
- Jede Logistikregion sollte aus dem Unternehmens-LDAP ihre eigene Auswahlliste der Empfänger Adresse für Scan2E-Mail haben. Die Nutzer sollen nur die für ihre Region passenden Empfänger sehen.
- Wir nutzten das VPSX „Standort“ Feld der VPSX Druckerdefinitionen, um die bestehenden LDAP-Filter zu erweitern, so dass nur ein einziges Scan-Profil für LDAP notwendig war, um an allen Standorten automatisch die jeweils passende Adressliste anzuzeigen.



# LRS User Konferenz 2022 Frankfurt



Secure Scan 10.0.255

File Edit Tools ?

Profiles

- Disabled
- Not deployed (3)
  - eArchive\_full
  - Scan2folder
  - Telekom Liefers
- eArchive
- KTA
- Scan2email (custom)
- Scan2email (personal)

Index Fields

Instantly index your scanned documents after defining which index fields are available to the user on the device panel. And use your data for specific tasks depending on the field type. For example, use a folder select field as a destination folder.

Input

Processing

>> Scan2email (personal) << Index Fields

Display	Description	Type	Input is mandatory
LDAP-Search		LDAP Query	No
User A-B		LDAP Query	No
User C-D		LDAP Query	No
User E-F		LDAP Query	No
User G-H		LDAP Query	No
User I-K		LDAP Query	No
User L-N		LDAP Query	No
User O-Q		LDAP Query	No
User R-T		LDAP Query	No
User U-Z		LDAP Query	No

LDAP E-mail Query

Data Source: AD

Filter: &schser.DC=com)(memberOf=CN=OG-MID((CLIENT:DeviceLocation).5.3)-Users,OU=GroupsOG,OU=IDM,OU=MGMT,OU=SERV.DC=

# Krankenversicherungen



## **IMAC/D – Automatisches Installieren, Verschieben, Hinzufügen, Ändern oder Entfernen von Druckern (Install, Move, Add, Change or Decommission)**

- Wenn ein neues Multifunktionsgerät bestellt und ins Bestandsverwaltungssystem eingetragen wird, wird automatisch ein Change Request erzeugt.
- Ist dieser abgearbeitet (der Drucker ist physisch vorhanden und angeschlossen und konfiguriert) kann entweder das Change Request oder Bestandsverwaltungssystem eine E-Mail mit dem Namen des Druckers an eine spezielle Verarbeitungswarteschlange in VPSX senden, wo die Informationen von einem Filterprozess ausgewertet werden.
- Das Ergebnis dieser Filter-Verarbeitung ist, dass der Drucker in VPSX angelegt und auch MFPsecure/Print und/oder MFPsecure/Scan inkl. der zugewiesenen Workflows ausgerollt ist.
- Damit wird der Prozess des Ausrollens von Druckern in VPSX, inkl. Anlegen, Verschieben, Hinzufügen, Ändern und Entfernen, vollständig automatisiert.
- Da spezielle Anforderungen an die Gerätesicherheit und die Anordnung der Symbole auf den Gerätedisplays bestanden, haben wir in Zusammenarbeit mit HP den Prozess mit dem HP Web Management Werkzeug „Web Jetadmin“ verbunden. So können wir HPWJ beauftragen, verschiedene Templates auf den Druckern zu installieren, nachdem unsere Komponenten ausgerollt wurden.

# Bauunternehmen



## Nahtlose Ersetzung von analoger Faxübertragung

- Von den Baustellen müssen Bestellungen per Fax versendet werden und der Sendebereich wird zum rechtskräftigen Nachweis benötigt. Für diesen Prozess war es notwendig, dass die Multifunktionsgeräte mit Fax-Funktion ausgestattet waren und an analoge Telefonleitungen angeschlossen wurden.
- Mit anderen am Markt verfügbaren digitalen Lösungen wäre es notwendig gewesen, dass sich die Benutzer an einem System anmelden, um den Sendebereich per E-Mail zu erhalten. Da die Benutzer keine IT Kenntnisse und keine Benutzerkonten haben, konnte eine solche Lösung nicht implementiert werden.
- Mit der LRS Lösung haben wir MFPsecure/Scan ohne Login und mit der E-Mail Absenderadresse des Geräts implementiert und so ermöglicht, dass der Sendebereich abschließend vom Fax-System per E-Mail über Mobile Connector for VPSX auf dem Multifunktionsgerät gedruckt wird.
- Mit dieser nahtlosen Integration kann der Kunde auf den Baustellen weiterhin seine klassische Arbeitsweise fortsetzen und trotzdem im Backend einen modernen Cloud basierten Fax Dienst nutzen. Außerdem können so weitere Digitalisierungen im Unternehmen durchgeführt werden. Durch den Wegfall der Fax-Karten in den Multifunktionsgeräten und der teuren Festnetzanschlüsse und deren äußerst aufwendigen Administration werden hunderttausende Euro gespart. Zusätzlich ist es so möglich, an den Verwaltungsstandorten mit regulärer Benutzeranmeldung auf den dort vorhandenen Geräten zu arbeiten.



## LRS Projektmanagement

- Projekte im Workplace Environment stellen andere Anforderungen an die Projektumsetzung als bisherige Projekte
- Rollout einer Secure Print / Scan Lösung wird oft kombiniert mit dem Austausch / Aktualisierung der Druckerflotte → enge Abstimmung mit Service Provider erforderlich
- International tätige Kunden erfordern die Fähigkeit, Rollouts über Ländergrenzen und Zeitzone hinweg zu unterstützen

Ergänzung der bewährten Projektbegleitung durch LRS Experten um gezielte Projektsteuerung / Koordination

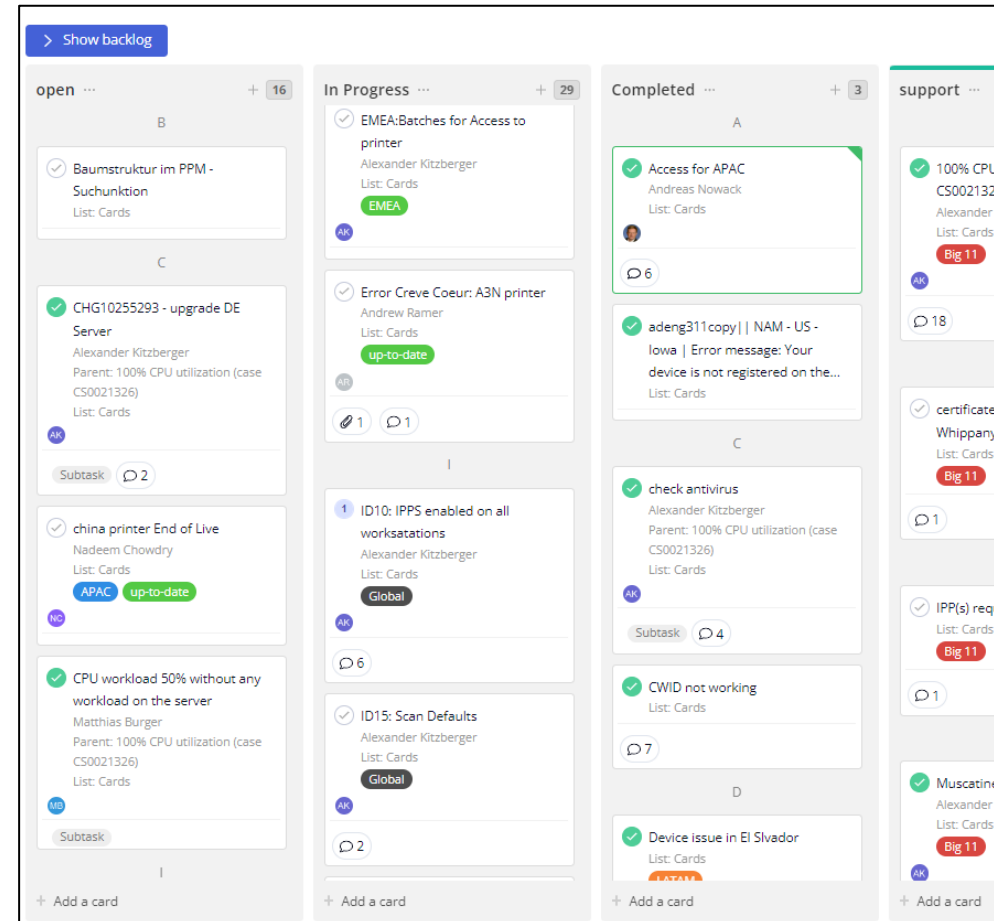
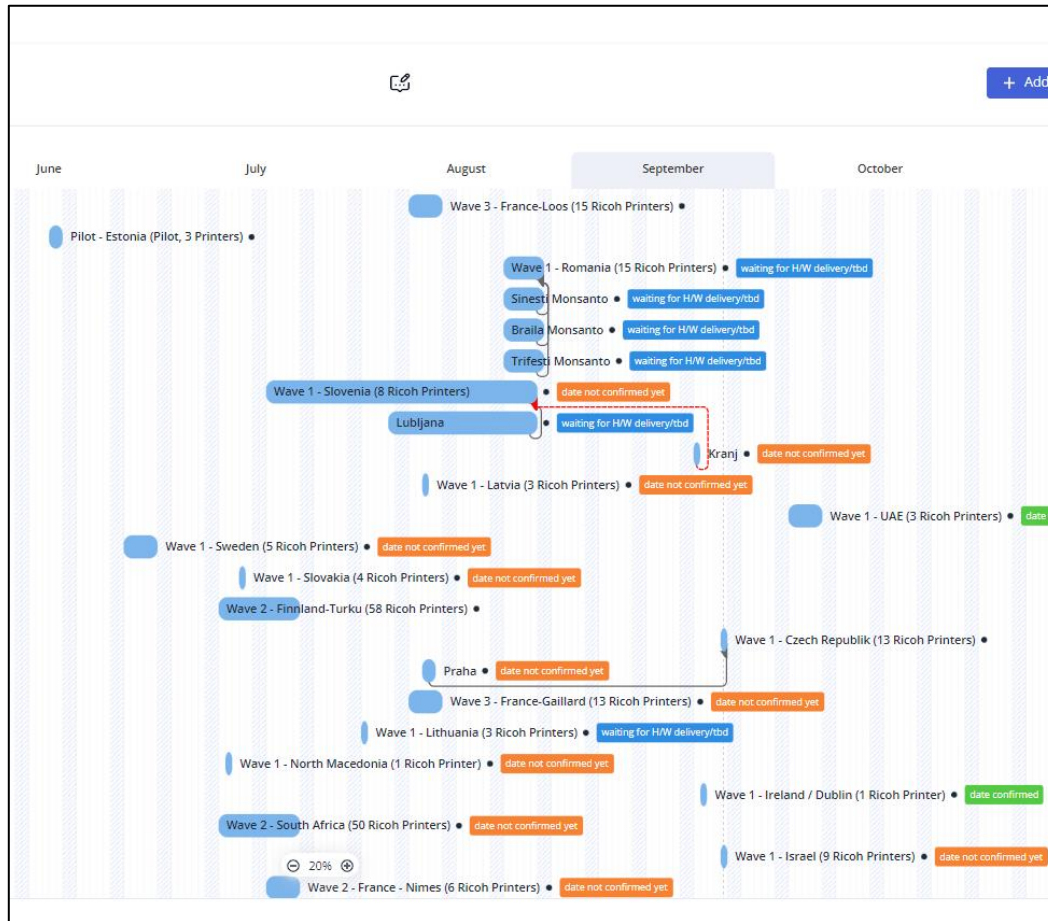


## LRS Projektmanagement- Vorgehensweise

- Basis:
  - Zertifizierte Prince2 Projektleiter
  - Global aufgestellte Service Organisation
- Auf Erfahrungswerten aufgebaut:
  - Unterstützung bei Planung und Design der Lösung
    - → Stolpersteine rechtzeitig identifizieren und beseitigen
  - Vorbereitung ist die halbe Umsetzung
    - Jede Kundenumgebung ist „einzigartig“
  - Deployment ist mehr als Installation
    - → Tests und Vorbereitung von abgestimmten Konfigurationen (Zertifizierung) vermeiden unliebsame Überraschungen



## LRS Projektmanagement- Werkzeuge







## LRS Projektmanagement- Werkzeuge

LRS / Customer / MPS / ITO - PROJECT PLANNING & DESIGN (VPSX)							
Project Planning and Infrastructure Design for Customer							
LRS / Customer / MPS / ITO - Initial Project Planning Meeting - xx Month, 20xx - Amended dates xx/xx/20xx (to be scheduled)							
		Task Description	Start Date	Target Date	Finish Date	Responsibility	General Comments
2	<b>EXECUTE SOFTWARE LICENSE AGREEMENT &amp; SOV</b>						
2.1		Software License Agreement fully executed				LRS Sales Team/LRS	Before presenting to MPS or Customer, double check with SE's that all products are included (be it temporary or long term usage).
3	<b>ASSIGN RESOURCES</b>						
3.1		Identify key stakeholder(s) and decision-makers				PMs	Identify all stakeholders by name and job title for ALL parties involved and chart. This is also mentioned in 4.10 but should be done before the project right people into the kick off.
4	<b>PROJECT KICKOFF MEETING (PLS. REF. TO SEC. 5</b>						
4.1		Prepare kickoff agenda and list of questions				PMs	What was learned during pre-sales discussions that needs more discover detail?
5	<b>TOPICS TO BE DISCUSSED IN PROJECT KICKOFF M</b>						
5.1		Location of current data centers				Customer / MPS /	
5.2		Number of regions				Customer / MPS /	
6	<b>IDENTIFY MPS DEVICES (SF / MF)</b>						
6.1		Identify all device models that will be deployed with LRS solution				Customer / MPS / ITO	Identify both SFDs and MFDs. Cross check each device and model against Supported Device list. Unsupported devices will need to be replaced with
11	<b>HIGH LEVEL DESIGN</b>						
11.1		Schedule Architecture Design session(s)				LRS PM	To include all relevant parties (including technical experts of partners/cous
12	<b>LOW LEVEL DESIGN</b>						
12.1		Need to complete the low level design architecture before set up infrastructure for EDM environment				LRS / Customer / MPS / ITO	Description of the "to be" actual server architecture, Detailed server infor requirements, Encryption and security requirements, HA requirements. Typically the LRS should include server addresses, connections, IP ad
13	<b>DEVELOP END USE TEST CASES</b>						
13.1		Identify and create use test scenarios for Pilot and UAT				LRS / Customer / MPS / ITO	



## LRS Projektmanagement- Werkzeuge

LRS / Customer / MPS / ITO - LRS ON-BOARDING PROCESS						
LRS On-Boarding Migration RUN-BOOK for Customer						
LRS / Customer / MPS / ITO - Initial Project On-Boarding Run-Book Meeting - xx Month, 201x - Amended dates xx/xx/20xx (to be scheduled)						
1	IDENTIFY TARGET COUNTRY / SITE	Task Description	Start Date	Target Date	Scheduled D	Finish Date/Responsibility (delete as appropriate Cust
1.1	xxxx (Customer BU name)	Target country site location	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
1.2	Printer Device Numbers and Different models to be deployed: xxx / xxx	Number of devices / models to be deployed	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
1.3	Authentication Card Types to be deployed: x	Card types to be used	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
1.4	Customer site users: xxxxxx	Site user	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
2	STAFFING PER COUNTRY / SITE	Task Description	Start Date	Target Date	Scheduled D	Finish Date/Responsibility (delete as appropriate Cust
2.1	On-site presence MPS Provider	Contact data of on-site present person	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
2.2	On-site presence ITO Provider	Contact data of on-site present person	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
2.3	Customer contact person on-site	Contact data of on-site present person	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
3	MIGRATION SEQUENCE BATCH PHASES	Task Description	Start Date	Target Date	Scheduled D	Finish Date/Responsibility (delete as appropriate Cust
3.1	Deploy xxxxx printer vendor Devices - Printer Batch 1	Printer vendor device deployment phase 1	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
3.2	Deploy xxxxx printer vendor Devices - Printer Batch 2	Printer vendor device deployment phase 2	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
3.3	Deploy xxxxx printer vendor Devices - Printer Batch 3	Printer vendor device deployment phase 3	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
3.4	Deploy xxxxx printer vendor Devices - Printer Batch 4	Printer vendor device deployment phase 4	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
3.5	Deploy xxxxx printer vendor Devices - Printer Batch 5	Printer vendor device deployment phase 5	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
3.6	Close out/acceptance for each batch of devices	Customer site acceptance	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
<b>Note: Steps 3.1 through to 3.6 to be replicated for all printer vendor device deployment phases</b>						
4	STANDARD MIGRATION PROCESS SEQUENCE	Task Description	Start Date	Target Date	Scheduled D	Finish Date/Responsibility (delete as appropriate Cust
4.1	Ensure agreed configuration has been applied to all customer appro	Ref. Tab "Planning&Design"	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.2	Deliver approved manufacture specific device models to Customer c	printer vendor to deploy devices	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.3	Un-pack, setup, connect to network and commission device	printer vendor devices connected to the Custom	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.4	Printer vendor to install the USB card reader and configure for required card types and verify MFD device operation	Configuring/Programming card reader should be done already, printer vendor device available for MPS Provider	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.5	Create VPSX queue and test device status	only applicable if the creation of VPSX print queue was not possible to be done ahead of	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.6	Printer connectivity test / test print	Ensure end-to-end control (E2E)	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.7	Push the MFPsecure embedded agent down onto the device	Deploy MFPsecure agent to device	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.8	Verify printer vendor agent installation	Verify MFPsecure software installation	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.9	Customer user to access the LRS printer portal and select "Pull Print"	Deployment of Pull Print queue	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.10	Pull Print queue definition	The Pull Print queue is defined to the end users c	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.11	Customer to submit a serverless print job to the desktop "Pull Print" q	Customer Pull Print test print submission	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO
4.12	User authenticates and enrolls their card	End user first time Pul Print card enrolment (Or perhaps pre-registration has been done for this site already) above	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx	xx/xx/20xx LRS / Customer / MPS / ITO



# Personal Print Manager Ein Überblick

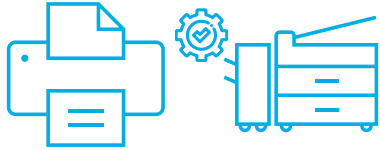


# Personal Print Manager

## Self-Service Möglichkeiten für Druck- und Scan-Funktionen und Einstellungen



Benutzer



Einfaches Finden, Hinzufügen und Löschen von Druckern auf einem PC



Benutzung grafischer Etagenpläne zur Lokalisierung von Geräten



Steuern der Einstellungen für Sprache, Stellvertreter, Aufbewahrung, etc.



Status des Druckauftrags anzeigen und Löschen des Auftrags, wenn gewünscht



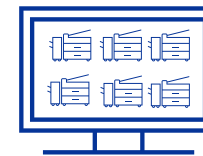
Support Mitarbeiter



Anlegen von unternehmensweiten Druck-Regelwerken, um die Eigenschaften des Drucks zu ändern



Sichere Authentifizierung und Berechtigung der Benutzer mit LDAP, AD und Azure-AD mit SSO



Automatisierte Verwaltung von Druckertreibern



Zentral definierte und verwaltete Geräte und Workflows

**Für Windows, macOS, und zahlreiche  
Unterstützte Linux Distributionen**



# LRS User Konferenz 2022 Frankfurt



Personal Print Manager

Drucker

Druckaufträge

Profile

AUFTRAGSTATUS

- Aufträge in Warteschlange
- Aufbewahrte Druckaufträge
- Fehlgeschlagene Druckaufträge

AUFTRAGSTYPEN

- Nur delegierte Druckaufträge

DRUCKAUFTRÄGE FILTERN

- Alle Druckaufträge
- Sicheres Drucken
- Direktdruck

SORTIERUNG DER DRUCKAUFTRÄGE

Neueste zuerst

Suchen Sie nach Dateiname, Druckername oder Benutzer

	<b>Microsoft Word - DACH User Groups - Agenda.docx</b>	
	Gedruckt bis PULLPRINT von 25.09.2022 15:54:19	
	Status: Warten   Seiten: 2   Kopien: 1   Größe: 67,42 KB	
	<b>Beispiel1.psb</b>	
	Gedruckt bis MDK_CONVERT1 von 19.05.2022 20:41:38	
	Status: Gedruckt/Fehler   Seiten: 1   Kopien: 1   Größe: 178,49 KB	
	<b>Beispiel4.psb</b>	
	Gedruckt bis MDK_CONVERT1 von 19.05.2022 20:32:03	
	Status: Gedruckt/Fehler   Seiten: 1   Kopien: 1   Größe: 23,93 KB	
	<b>1457.infile.pdf</b>	
	Gedruckt bis DUMMY von 11.05.2022 10:33:29	
	Status: Gehalten   Seiten: 2   Kopien: 1   Größe: 11,64 KB	
	<b>1457.infile.pdf</b>	
	Gedruckt bis MDK_MILL_NOSCRIPPT von 08.05.2022 22:09:02	
	Status: Gedruckt/Fehler   Seiten: 1   Kopien: 1   Größe: 5,57 KB	
	<b>Testergebnis_20042022-1.pdf</b>	
	Gedruckt bis PULLPRINT von 03.05.2022 10:49:49	
	Status: Warten   Seiten: 3   Kopien: 1   Größe: 458,35 KB	

? Tour



# LRS User Konferenz 2022 Frankfurt



Personal Print Manager

Drucker

Druckaufträge

Profile

Allgemeines

Sicheres Drucken

Bevollmächtigte

Sicheres Scannen

Adressbuch

ADRESSBUCH-EINSTELLUNGEN

**Hans Klimmer**  
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**Joachim Lang**  
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**Marc Kutscher**  
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?  
Tour

LRS

+ Neuen Eintrag hinzufügen

*Hinweis: PPM  
Lokale Verteilung  
und Roaming  
Profile benötigen  
LRS/Gateway*



# LRS User Konferenz 2022 Frankfurt



Personal Print Manager

Drucker

Druckaufträge

Profile

?

Tour

LRS

**AUFTRAGSTATUS**

- Aufträge in Warteschlange
- Aufbewahrte Druckaufträge
- Fehlgeschlagene Druckaufträge

**AUFTRAGSTYPEN**

- Nur delegierte Druckaufträge

**DRUCKAUFTRÄGE FILTERN**

- Alle Druckaufträge
- Sicheres Drucken
- Direktdruck

**SORTIERUNG DER DRUCKAUFTRÄGE**

Neueste zuerst

Suchen Sie nach Dateiname, Druckername oder Benutzer

**Microsoft Word - DACH User Groups - Agenda.docx**

Gedruckt bis PULLPRINT von 25.09.2022 15:54:19

Status: Warten | Seiten: 2 | Kopien: 1 | Größe: 67,42 KB

Herunterladen und auf lokalen Drucker ausgeben

**Testergebnis\_20042022-1.pdf**

Gedruckt bis PULLPRINT von 03.05.2022 10:49:49

Status: Warten | Seiten: 3 | Kopien: 1 | Größe: 458,35 KB

ENDE DER LISTE



# LRS User Konferenz 2022 Frankfurt



Personal Print Manager

**Drucker**

**Druckaufträge**

**Profile**

**AUFTRAGSTATUS**

- Aufträge in Warteschlange
- Aufbewahrte Druckaufträge
- Fehlgeschlagene Druckaufträge

**AUFTRAGSTYPEN**

- Nur delegierte Druckaufträge

**DRUCKAUFTRÄGE FILTERN**

- Alle Druckaufträge
- Sicheres Drucken
- Direktdruck

**SORTIERUNG DER DRUCKAUFTRÄGE**

Neueste zuerst

?

Tour

**LRS**

LOKALE VERTEILUNG - SPOOL ID 630

## Microsoft Word - DACH User Groups - Agenda.docx

Wählen Sie den lokalen Drucker:

CX510DE-HW09413

Lokal herunterladen und ausdrucken

----- Nicht verwaltet -----

CX510dePS3

HP Color LaserJet MFP M480 PCL-6 (V4) (Netzwerk)

Lexmark Universal Fax

Microsoft Print to PDF

Microsoft XPS Document Writer

VSPA

----- verwaltet -----

CX510DE-HW09413

LRS-UPD-HW09413

**MDK\_MFP-M480-HW09413**

PULLPRINT-HW09413

T630\_HBM-HW09413

Nach der Auswahl von „Herunterladen“ kann der Nutzer einen seiner lokalen Windows Drucker auswählen. In diesem Beispiel sind sowohl verwaltete wie auch nicht verwaltete Drucker vorhanden. Das kann ein nicht übliches Szenario sein.

Schließen





# LRS User Konferenz 2022 Frankfurt



The screenshot shows the 'Personal Print Manager' interface. On the left is a navigation sidebar with 'Drucker', 'Druckaufträge', and 'Profile'. The main area is divided into sections: 'AUFTRAGSTATUS' with checkboxes for 'Aufträge in Warteschlange', 'Aufbewahrte Druckaufträge', and 'Fehlgeschlagene Druckaufträge'; 'AUFTRAGSTYPEN' with a checkbox for 'Nur delegierte Druckaufträge'; 'DRUCKAUFTRÄGE FILTERN' with radio buttons for 'Alle Druckaufträge', 'Sicheres Drucken', and 'Direktdruck'; and 'SORTIERUNG DER DRUCKAUFTRÄGE' with a dropdown set to 'Neueste zuerst'. A modal window is open on the right, titled 'LOKALE VERTEILUNG - SPOOL ID 630'. It shows the document 'Microsoft Word - DACH User Groups - Agenda.docx' and a dropdown menu for the printer set to 'MDK\_MFP-M480-HW09413'. There are two buttons: 'Lokal herunterladen und ausdrucken' (highlighted in blue) and 'Abbrechen'. Below these are two green progress bars, both at 100%. The text 'Herunterladen Fortschritt: 100%' and 'Spool-Fortschritt: 100%' is displayed. At the bottom of the modal, it says 'Lokale Verteilung abgeschlossen' and there is a 'Schließen' button.

Personal Print Manager

**AUFTRAGSTATUS**

- Aufträge in Warteschlange
- Aufbewahrte Druckaufträge
- Fehlgeschlagene Druckaufträge

**AUFTRAGSTYPEN**

- Nur delegierte Druckaufträge

**DRUCKAUFTRÄGE FILTERN**

- Alle Druckaufträge
- Sicheres Drucken
- Direktdruck

**SORTIERUNG DER DRUCKAUFTRÄGE**

Neueste zuerst

LOKALE VERTEILUNG - SPOOL ID 630

**Microsoft Word - DACH User Groups - Agenda.docx**

Wählen Sie den lokalen Drucker: MDK\_MFP-M480-HW09413

Lokal herunterladen und ausdrucken Abbrechen

Herunterladen Fortschritt: 100%

Spool-Fortschritt: 100%

Lokale Verteilung abgeschlossen

Schließen

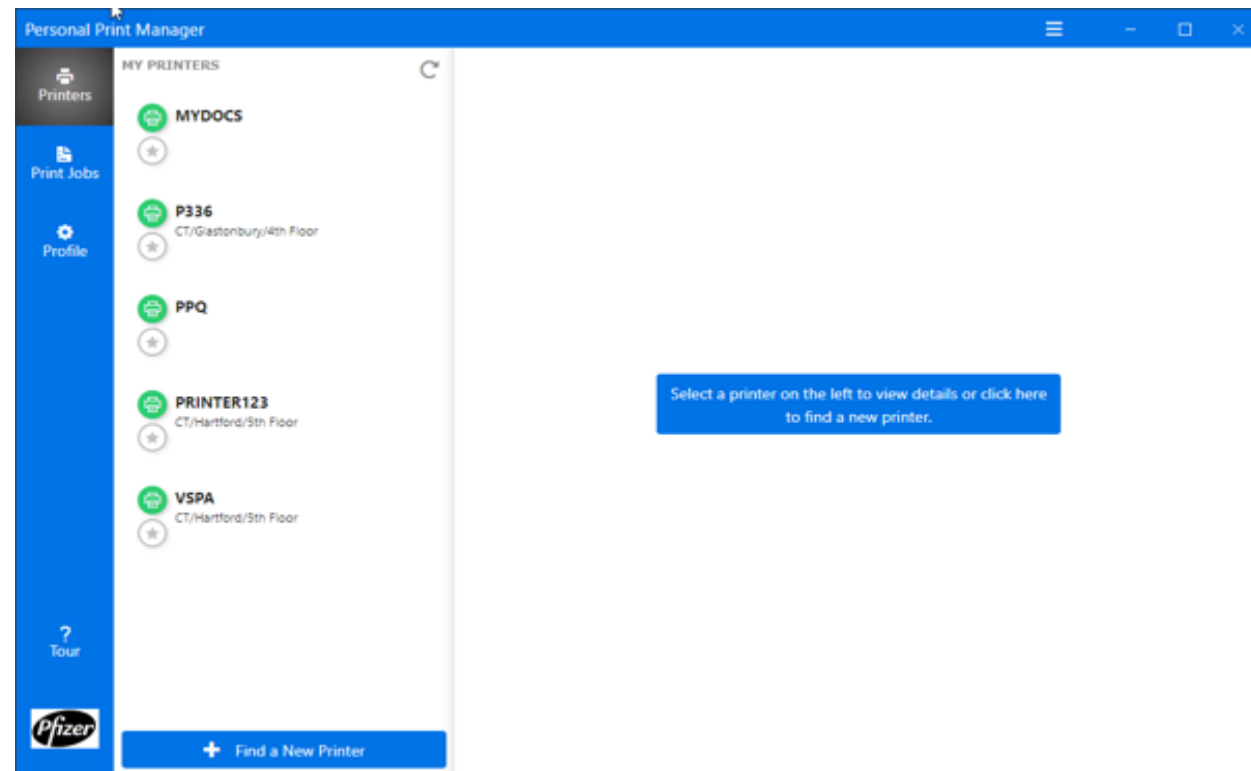
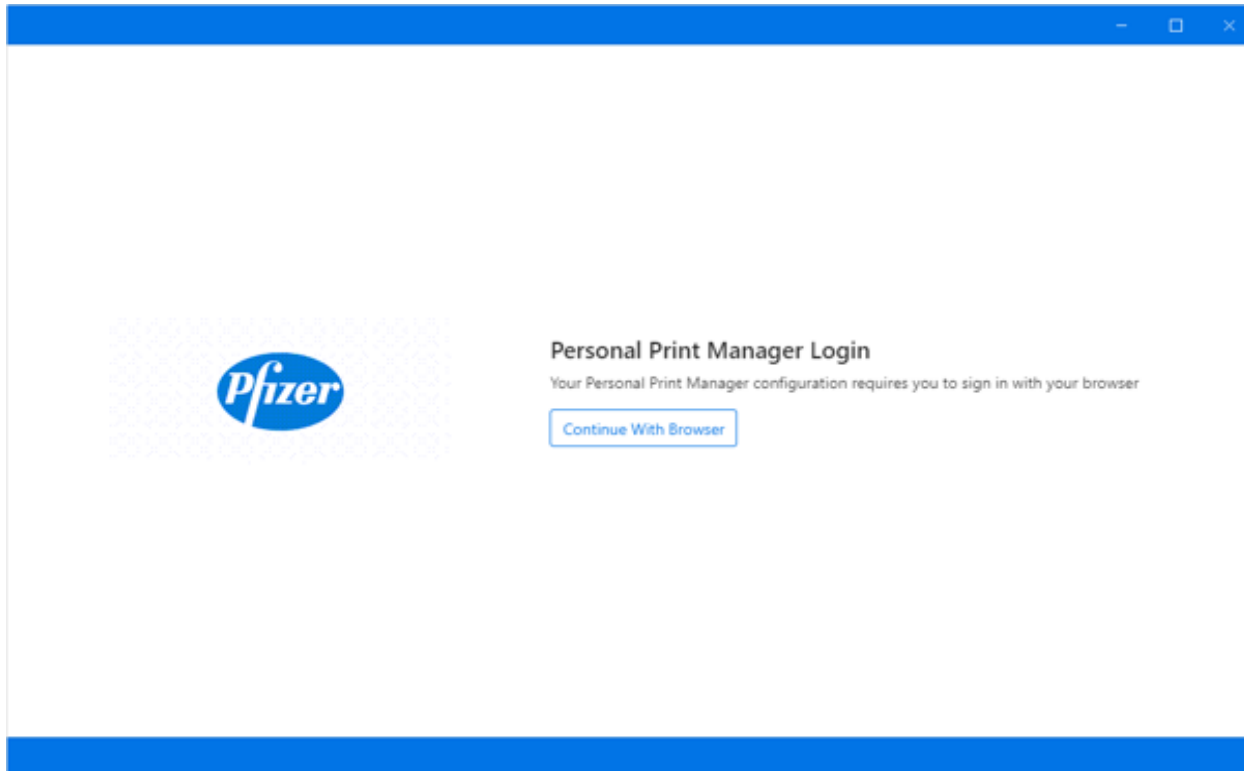
Nachdem der Benutzer den Druckauftrag ausgewählt und die Schaltfläche „Lokal herunterladen und ausdrucken“ geklickt hat, beginnt der Ausdruck auf dem gewählten Drucker und Statusinformationen werden angezeigt.



# PPM Branding und Styling



## Kundenbeispiel





## Kundenbeispiel



Continue With Browser

Personal Print Manager

Printers

Print Jobs

Profile

Tour

MY PRINTERS

- 123JOE  
CT/Glastonbury/4th Floor
- EPIC  
CT/Glastonbury/4th Floor
- GUYS\_ZEBRA
- MYDOCS
- P222  
123  
CT/Glastonbury/4th Floor
- P336  
TEST PRT  
CT/Glastonbury/4th Floor
- PPQ

+ Find a New Printer

Select a printer on the left to view details or click here to find a new printer.



## Kundenbeispiel

The screenshot shows the login page for the Salfa Personal Print Manager. On the left is the Salfa logo. On the right, the text reads "Personal Print Manager Login" and "Your Personal Print Manager configuration requires you to sign in with your browser". Below this text is a button labeled "Continue With Browser".

The screenshot shows the "Personal Print Manager" interface. On the left is a navigation sidebar with icons for "Printers", "Print Jobs", "Profile", and "Tour". The main area is divided into "PRINTER FEATURES" and "LOCATION".

**PRINTER FEATURES:**

- Color
- Print on both sides
- Staple
- Secure Print Release
- Secure Print Queue
- Mobile Print

**LOCATION:**

- All locations
- CT
- EMEA

The main content area displays a list of printers with a search bar at the top: "Search on printer name, description, department, or location". The list includes:

- 00P336 (CT/Glastonbury/4th Floor)
- 123 (CT/Glastonbury/4th Floor)
- 123JOE (CT/Glastonbury/4th Floor)
- 123MFPSECURE
- EPIC (CT/Glastonbury/4th Floor)
- GUYS\_ZEBRA
- MYDOCS
- NEWPRT (CT/Glastonbury/4th Floor)

At the bottom right, it says "Displaying 1 to 18 of 18" and includes navigation arrows.



# LRS User Konferenz 2022 Frankfurt



## Kundenbeispiel

The screenshot shows the login page for Personal Print Manager. On the left, the Morgan Stanley logo is displayed. The main heading is "Personal Print Manager Login". Below it, a message states: "Your Personal Print Manager configuration requires you to sign in with your browser". A button labeled "Continue With Browser" is positioned below the message. On the far left, there are navigation icons for "Printers", "Print Jobs", "Profile", and "Tour".

The screenshot displays the "Personal Print Manager" interface. The left sidebar contains navigation icons for "Printers", "Print Jobs", "Profile", and "Tour". The main area is divided into two sections: "MY PRINTERS" and "PRINTER DETAILS".

**MY PRINTERS**

- AMCTGL01002**  
SE manager's office  
Americas/Connecticut/Glastonbury/Glastonbury Blvd./95/4th Floor
- AMCTGL950402**  
Glastonbury Sales Office  
Americas/Connecticut/Glastonbury/Glastonbury Blvd./95/4th Floor
- HOMEQ**  
Secure pull print with this queue  
PPQ
- PERSONALQ** (highlighted)  
Secure pull print with this queue  
PPQ

**PRINTER DETAILS**

**PERSONALQ-EOMEAST010**

Status: Idle  
Description: Secure pull print with this queue  
Department: LRS EOM  
Contact: Jeff Lecko

Buttons: Print Preferences..., Set as Default Printer, Remove Printer

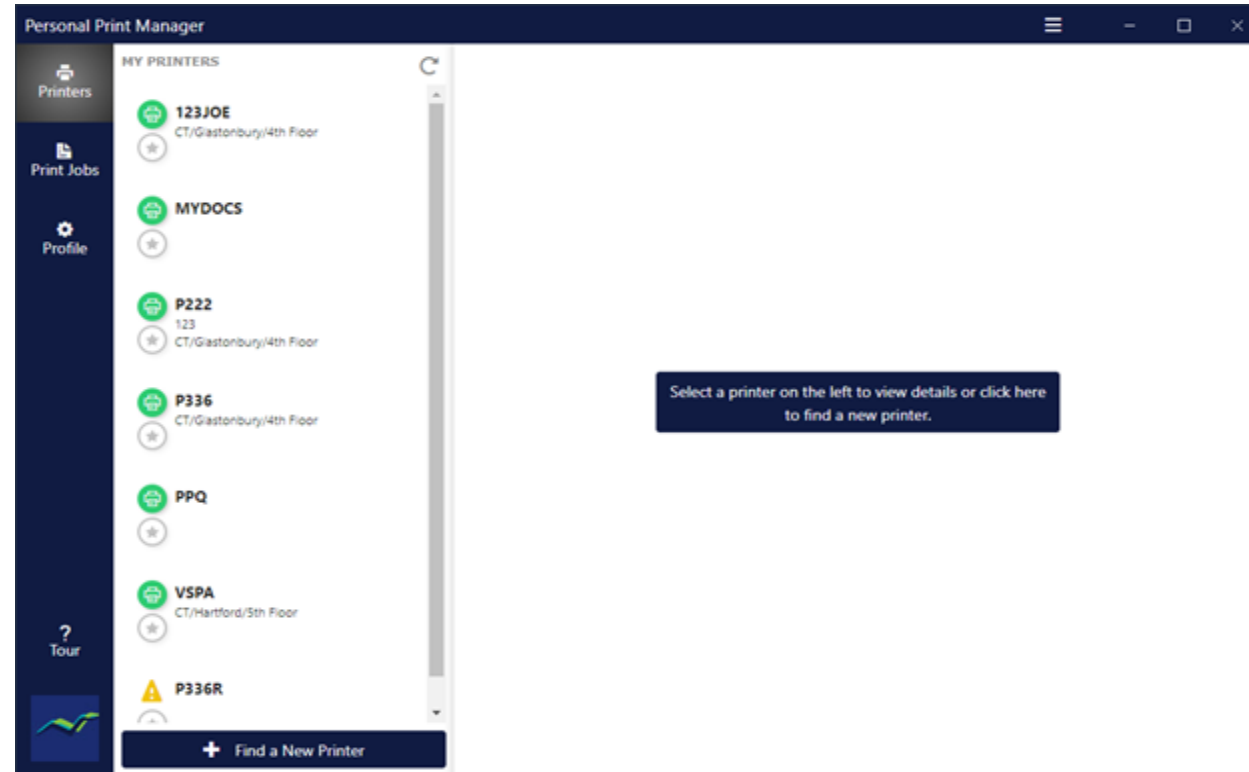
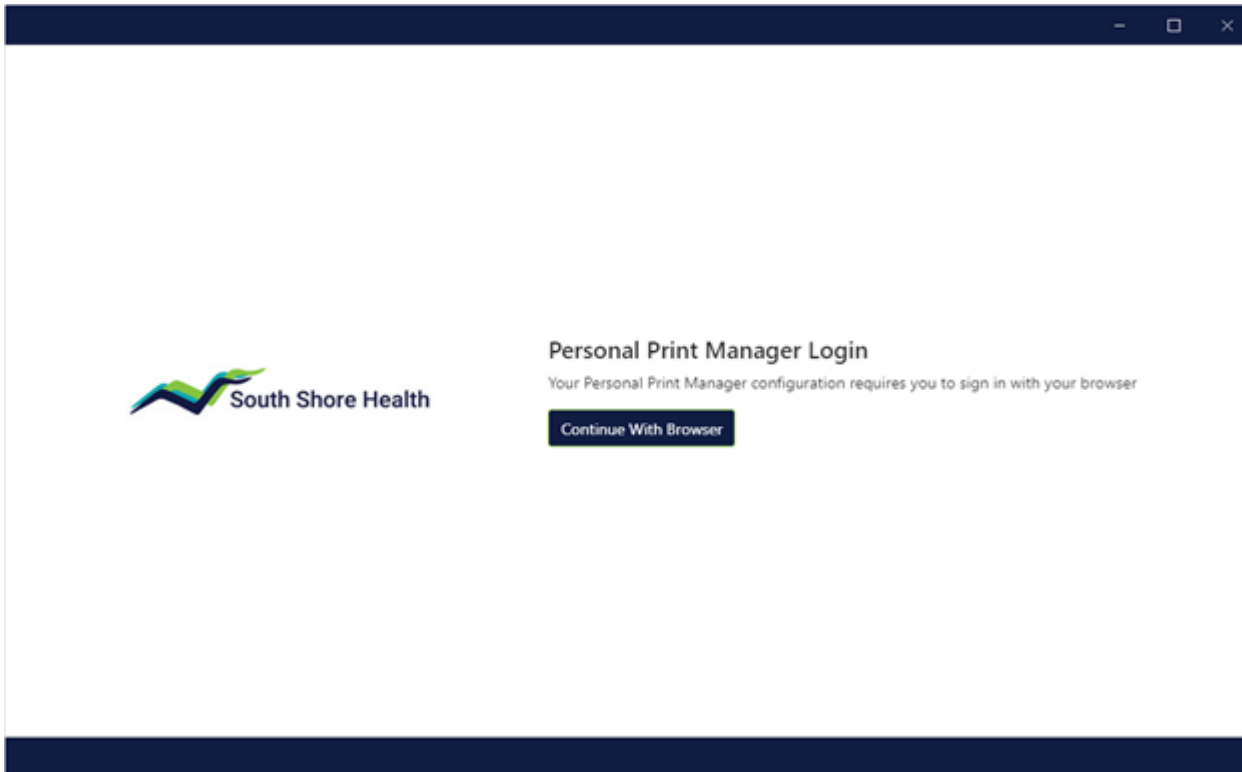
**PRINT JOBS**

NO PRINT JOBS FOUND.

Bottom button: + Find a New Printer



## Kundenbeispiel





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