LRS UK User Group

LRS
OUTPUT MANAGEMENT

Agenda

08:30 - 09:00	Welcome coffee	
09:00 - 09:05	Introductions	
09:05 - 10:05	Industry trends and LRS Product Update Different working models including • Hybrid Architecture • Security & Zero Trust	Guy Tucker & Mark Ladd
10:05 - 10:35	Future Product Roadmap	Guy Tucker & Mark Ladd
10:35 - 10:50	Coffee Break	
10:50 - 11:10	LRS Support Portal and Knowledgebase	Demonstration
11:10 - 11:45	State of the art Scan – including • New UI and Licensing • Beyond the MFP • Mobile to Scan • LRS services supporting scan Implementations	Guy Tucker
11:45 - 12:15	LRS and SAP in the New world	Chris Taylor
12:15 - 12:30	Q&A	
12:30 - 13:30	Lunch	

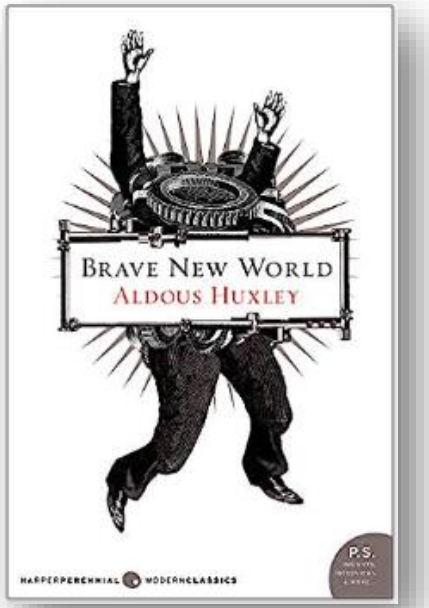
Introductions

Industry Trends and LRS Product Update

Guy Tucker & Mark Ladd

Wait – Is it really a new world?

- No. This is the same world we had last year. But . . .
- Yes.
  - As we have matured in this world that we created, we have gained
    - Experience
    - Wisdom
    - Knowledge

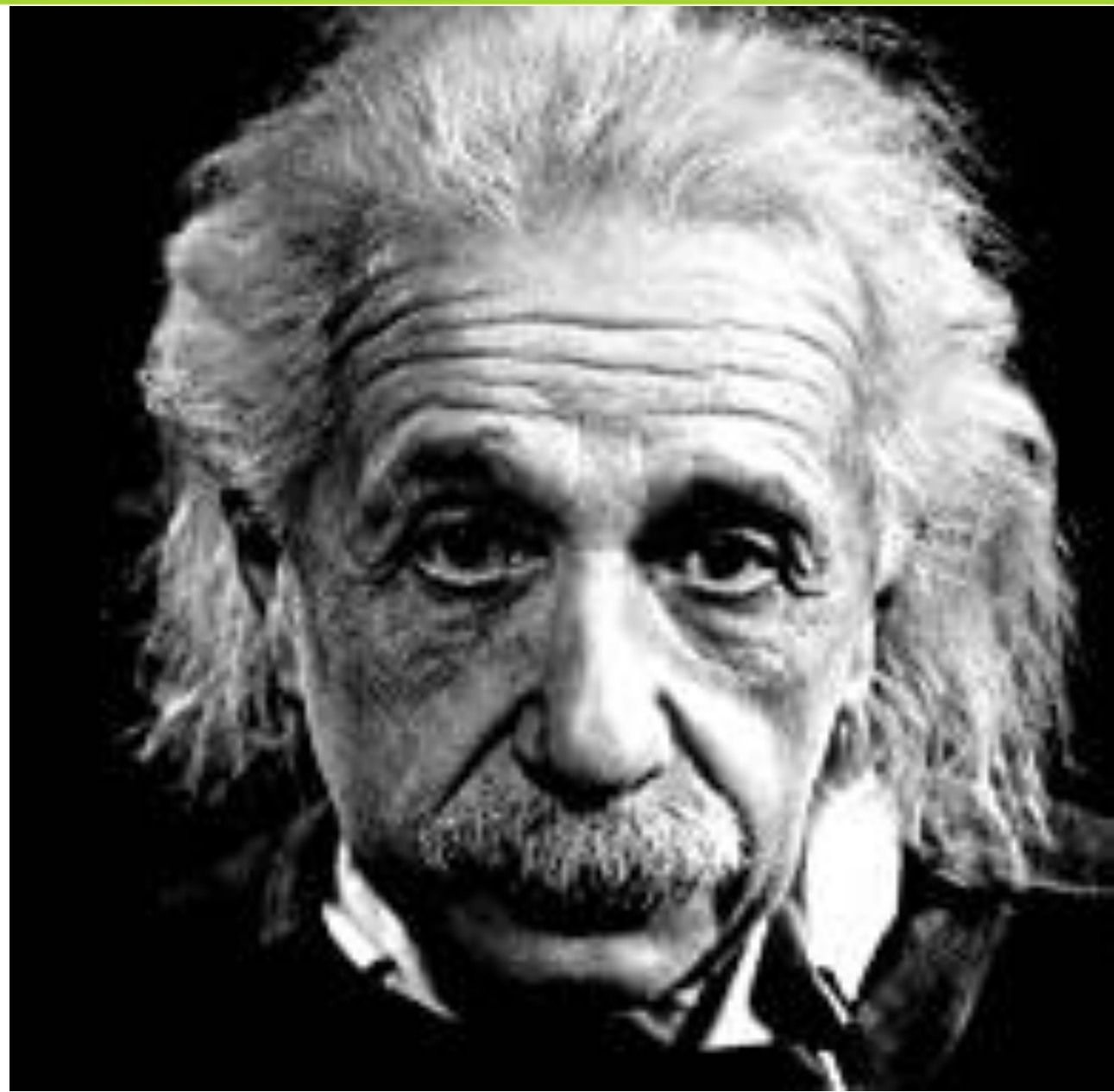


Architecture

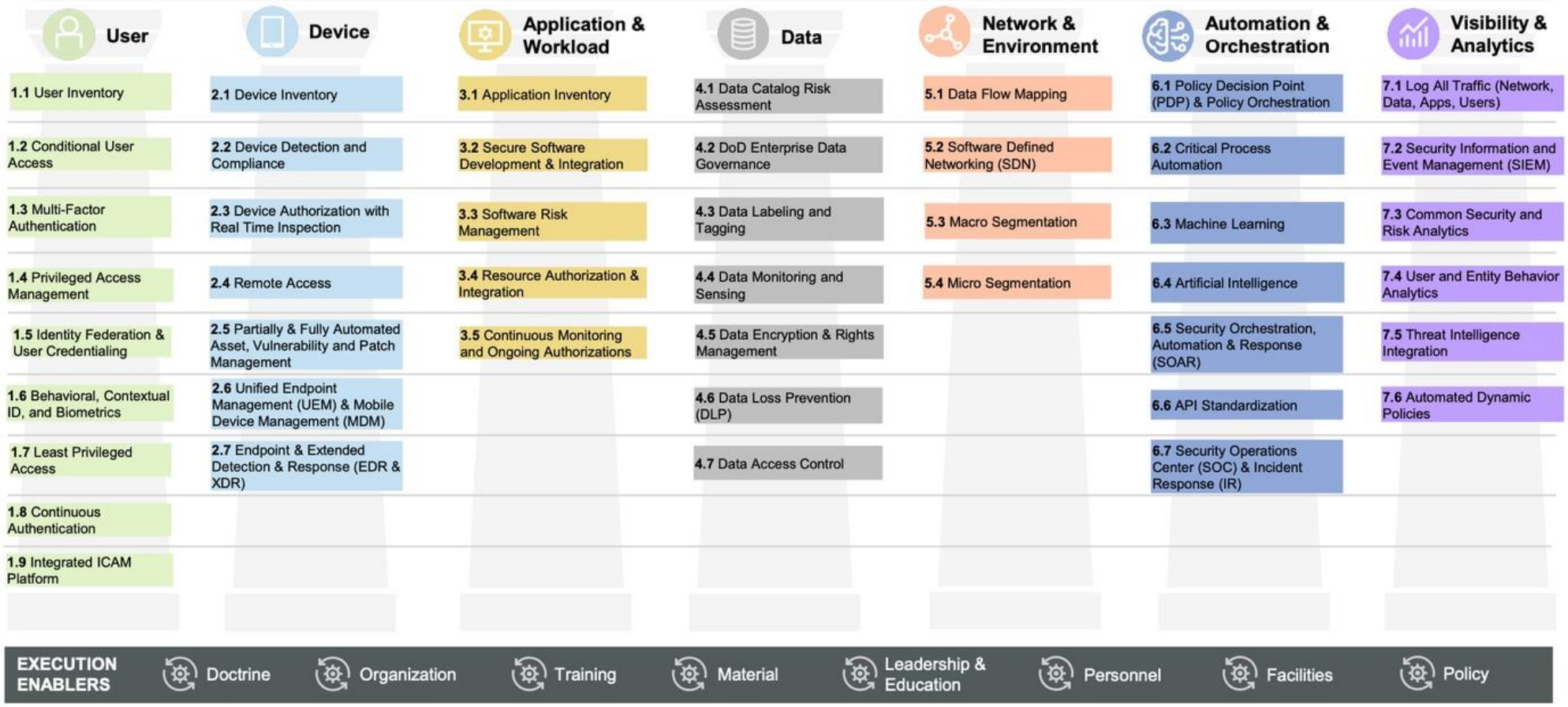
- Layered architectures began in 1974 with SNA followed a few years later with the OSI model
- TCP/IP began to be thought of in layers
- Over time, we built expertise and staff around layers rather than specific platforms and products

Schicht	ISO	SNA
7	Application	End User
6	Presentation	Presentation & Network Services
5	Session	Data Flow Control
4	Transport	Transmission Contr. Network Control
3	Network	Path Control
2	Data Link	SDLC
1	Physical	Lines

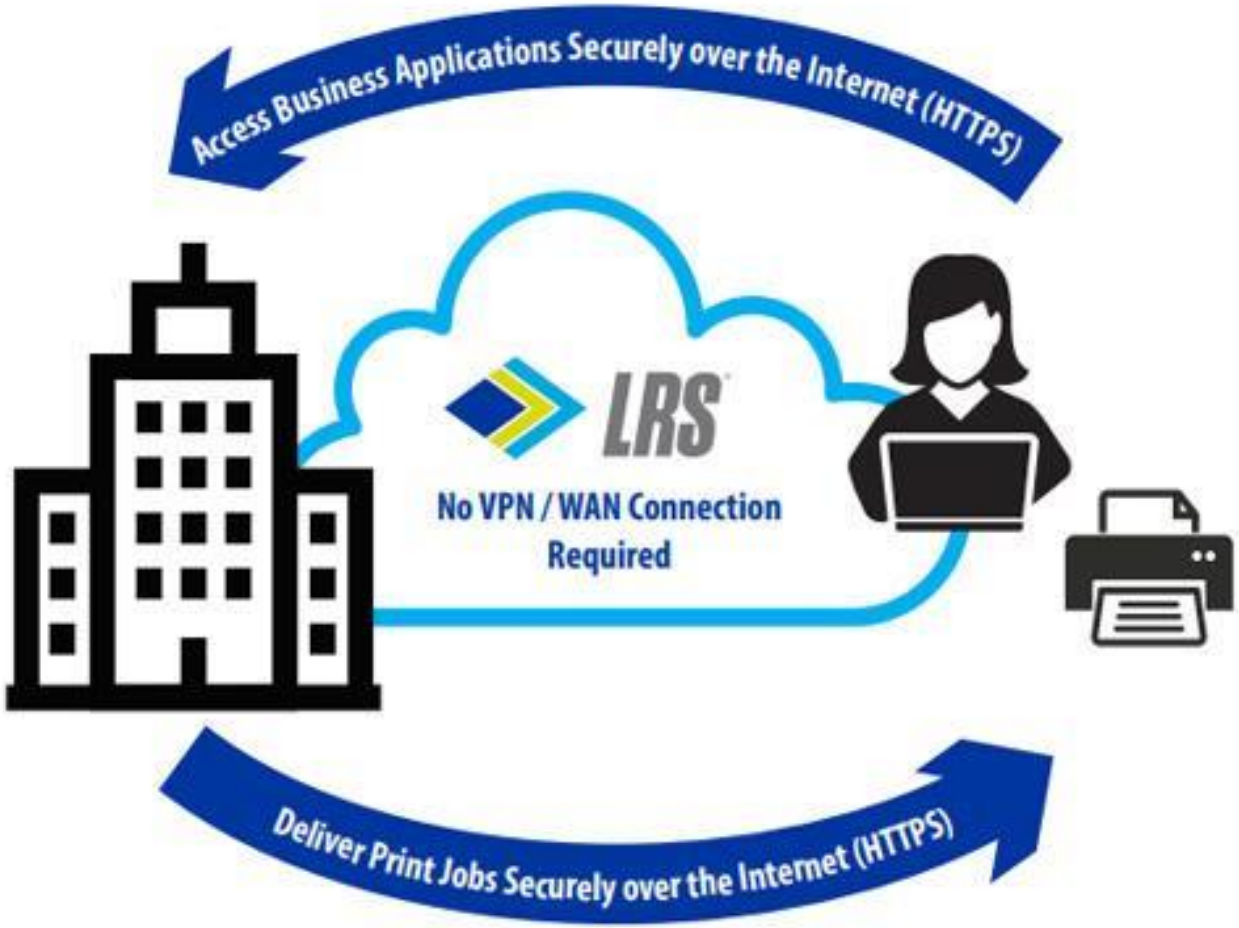
As our circle of knowledge expands, so does the circumference of the darkness surrounding it.



Zero-Trust


User
1.1 User Inventory
1.2 Conditional User Access
1.3 Multi-Factor Authentication
1.4 Privileged Access Management
1.5 Identity Federation & User Credentialing
1.6 Behavioral, Contextual ID, and Biometrics
1.7 Least Privileged Access
1.8 Continuous Authentication
1.9 Integrated ICAM Platform
Device
2.1 Device Inventory
2.2 Device Detection and Compliance
2.3 Device Authorization with Real Time Inspection
2.4 Remote Access
2.5 Partially & Fully Automated Asset, Vulnerability and Patch Management
2.6 Unified Endpoint Management (UEM) & Mobile Device Management (MDM)
2.7 Endpoint & Extended Detection & Response (EDR & XDR)
Application & Workload
3.1 Application Inventory
3.2 Secure Software Development & Integration
3.3 Software Risk Management
3.4 Resource Authorization & Integration
3.5 Continuous Monitoring and Ongoing Authorizations
Data
4.1 Data Catalog Risk Assessment
4.2 DoD Enterprise Data Governance
4.3 Data Labeling and Tagging
4.4 Data Monitoring and Sensing
4.5 Data Encryption & Rights Management
4.6 Data Loss Prevention (DLP)
4.7 Data Access Control
Network & Environment
5.1 Data Flow Mapping
5.2 Software Defined Networking (SDN)
5.3 Macro Segmentation
5.4 Micro Segmentation
Automation & Orchestration
6.1 Policy Decision Point (PDP) & Policy Orchestration
6.2 Critical Process Automation
6.3 Machine Learning
6.4 Artificial Intelligence
6.5 Security Orchestration, Automation & Response (SOAR)
6.6 API Standardization
6.7 Security Operations Center (SOC) & Incident Response (IR)
Visibility & Analytics
7.1 Log All Traffic (Network, Data, Apps, Users)
7.2 Security Information and Event Management (SIEM)
7.3 Common Security and Risk Analytics
7.4 User and Entity Behavior Analytics
7.5 Threat Intelligence Integration
7.6 Automated Dynamic Policies
EXECUTION ENABLERS
Doctrine
Organization
Training
Material
Leadership & Education
Personnel
Facilities
Policy

Pushing Print on the Open Internet

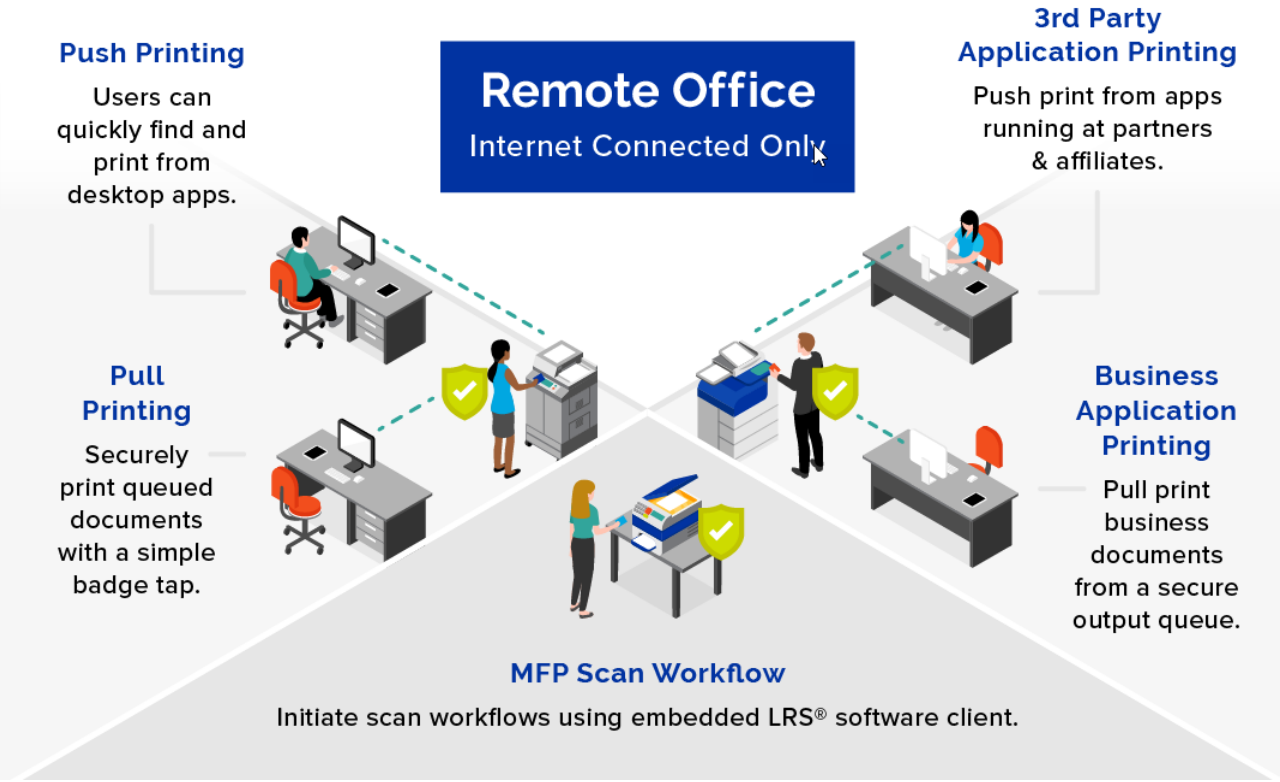


Affiliate Print allows for pushing jobs with only an open internet connection

- Contracted entities
  - Distribution centers
  - Manufacturing facilities
  - Associated clinics

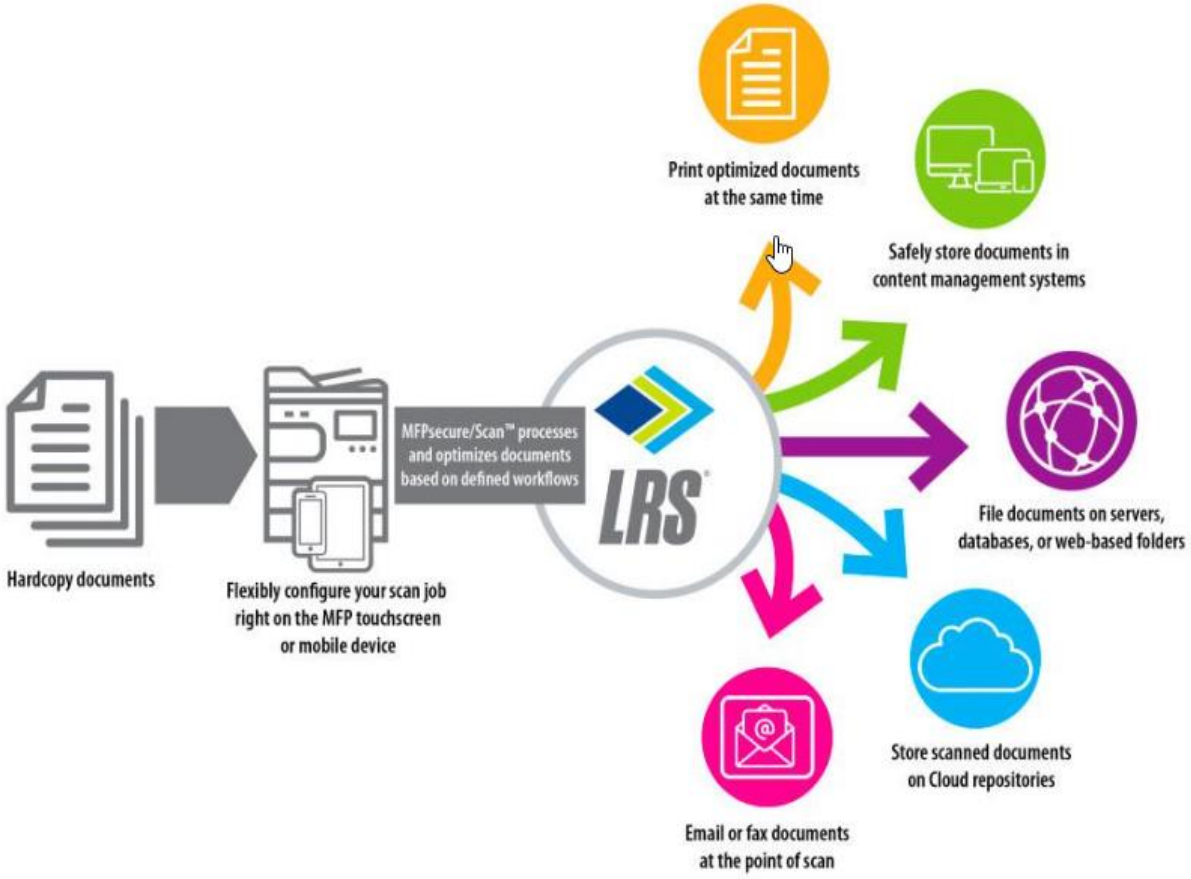
Internet Pull Print

- VPN technology is going away in the enterprise
- Workstations must associate a user ID
- Devices cannot sit and wait. They must be able to phone home.
  - Retail stores
  - Temporary offices



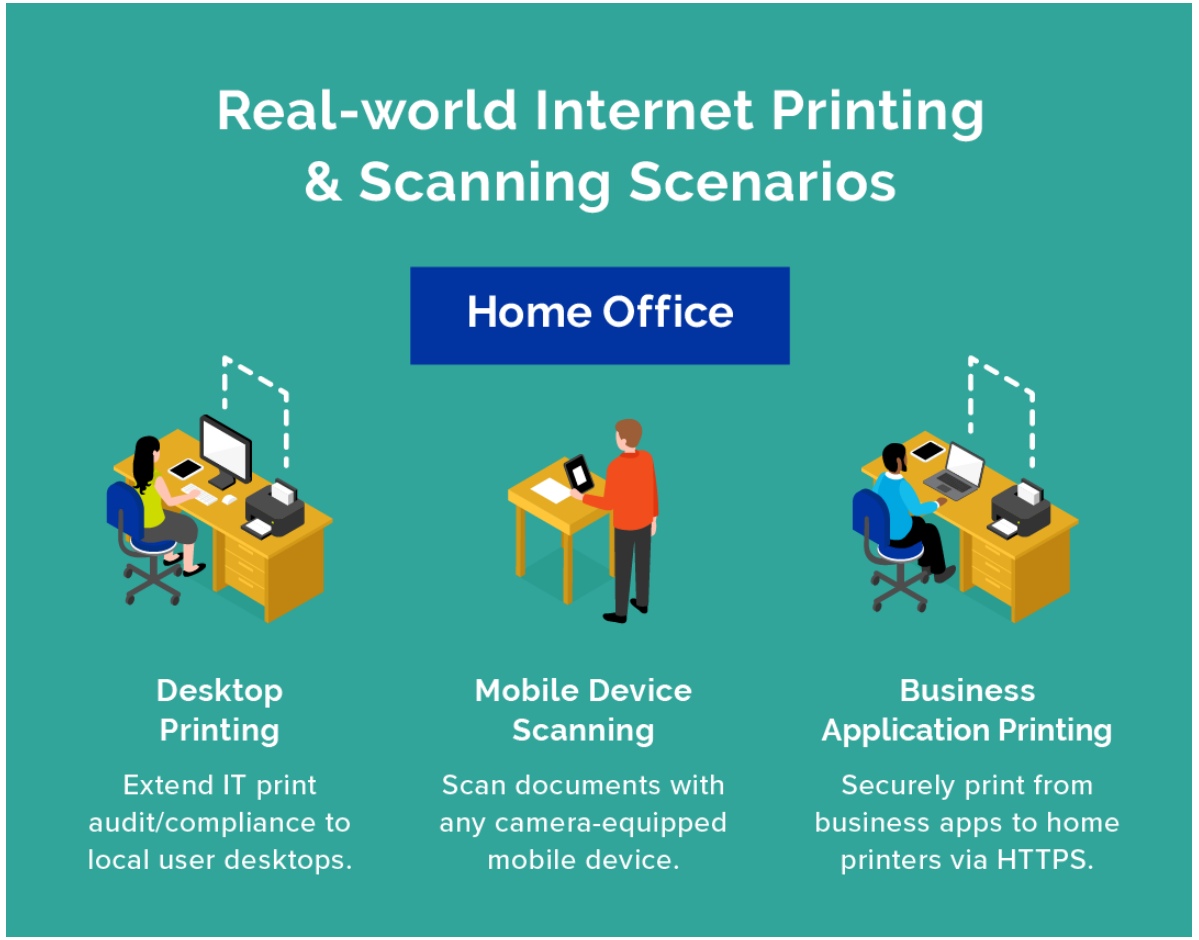
Internet Scan

- Likewise true on Scan technology
- Processes are two way
  - Contracted entities need to update applications
  - This may include scanning of physical documents



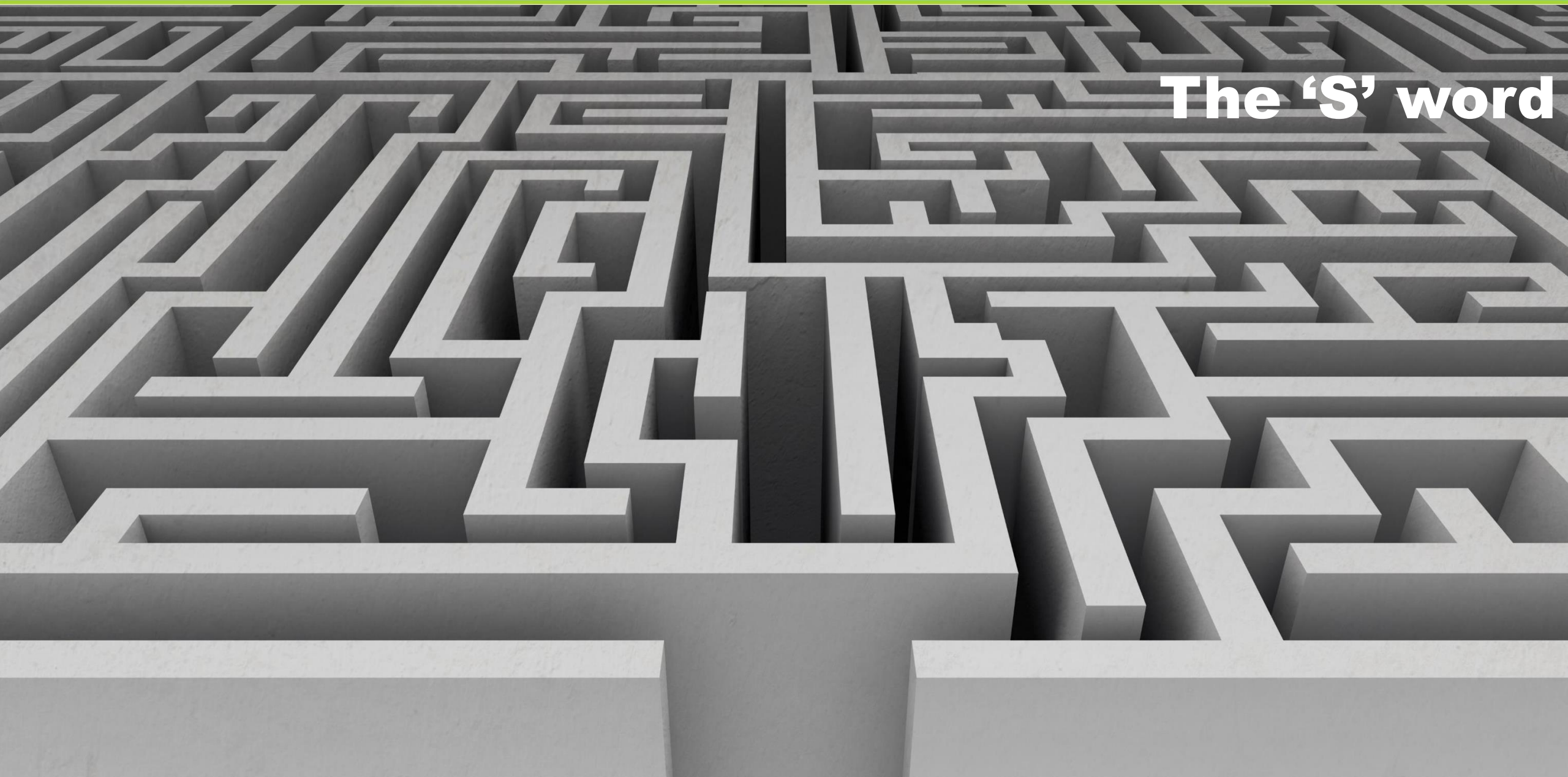
Work from home is here to stay

- Even software VPN is undesirable
- Workers enabled for WFH are more likely to stay
- Business applications are not geared for WFH especially in the print and scan arenas



Driver deprecation

- Apple announced end of driver support
  - AirPrint mechanism
- Microsoft announced printer driver support ending
  - Microsoft Universal print compatibility



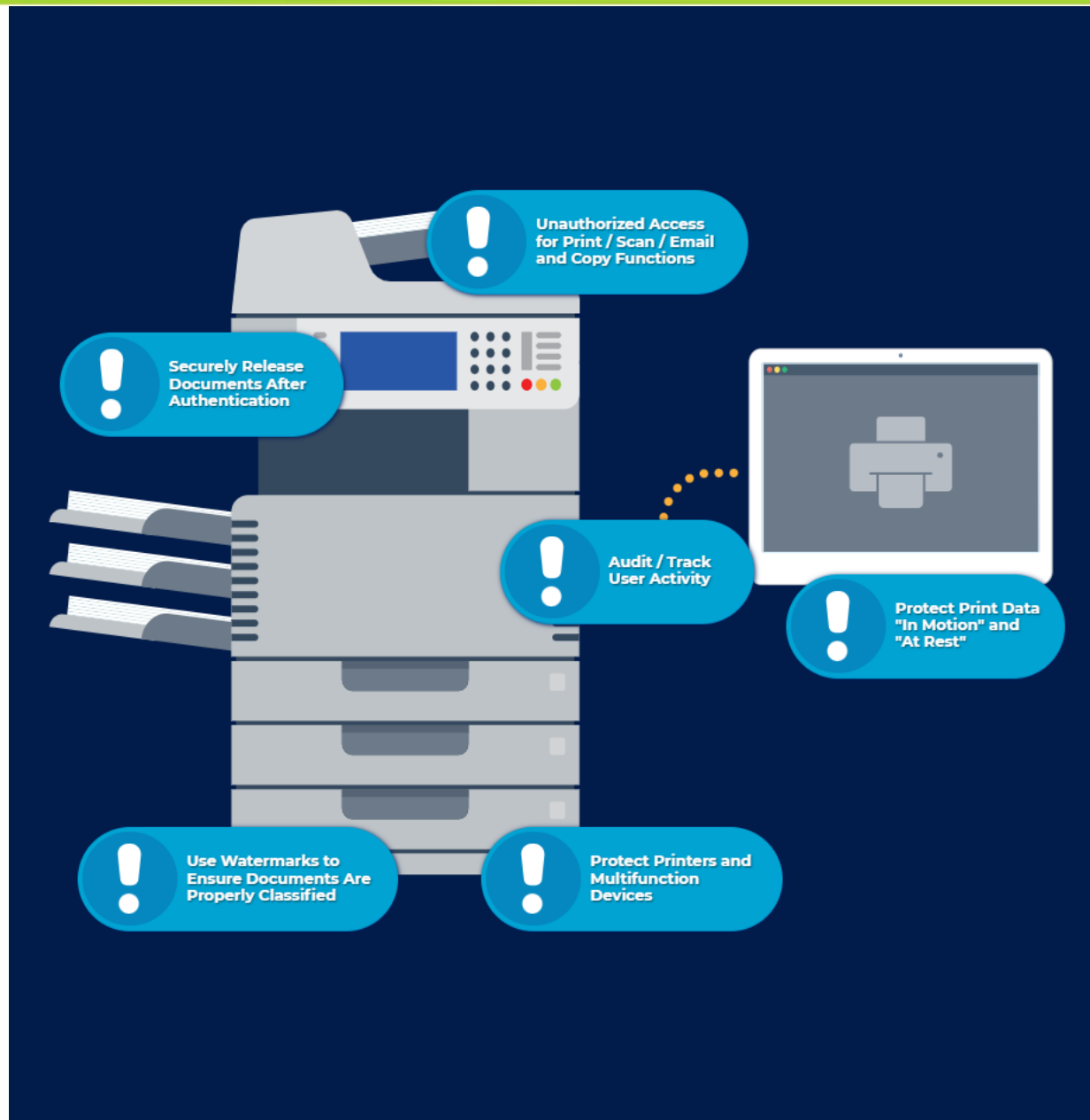
The ‘S’ word

Examples

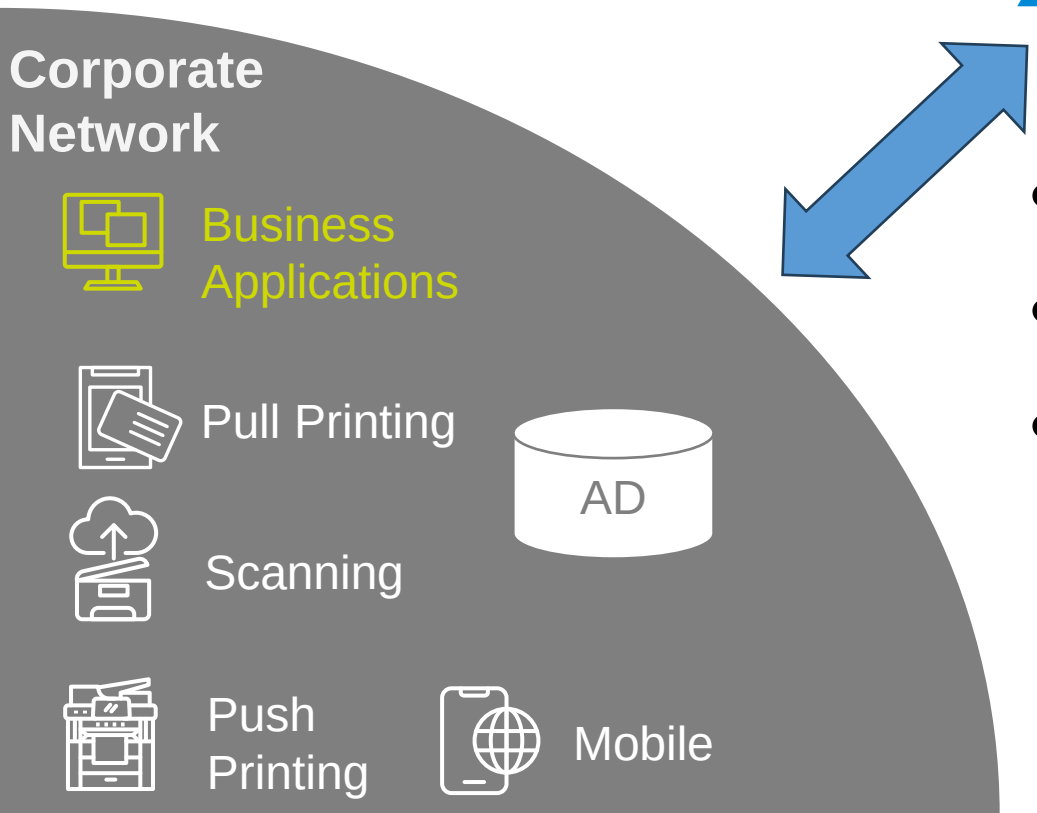
- NVIDIA (semiconductors) lost employee credentials and proprietary information
- Costa Rica – Had its economy shutdown $30 million per day
- CHI Heath – Went back to paper records
- JBS Beef - $11 million ransom
- Maersk - $300 million in losses
- UK NHS - £92 million in loss

LRS Security Approach

- CVE prevention
  - Penetration Testing
  - Code scanning
- Encryption
- Hardcopy security (pull printing)
- Windows vulnerabilities
  - How we work around them
- General device security



Hybrid Approach – On Premise



Azure

- Common use
- Everything Onsite / Datacenter
- Federated authentication

Hybrid Approach – Mixed (typical)

Via Internet
OR Personal VPN

Corporate Network

Business Applications

Pull Printing

AD

Scanning

Push Printing

Mobile

Business Applications

Pull Printing

Corporate or Affiliate Printer

Distant Offices / Coworking

Hybrid Approach – LRS managed / Hosted

Via Internet
OR Personal VPN

Corporate Network

- Business Applications
- Pull Printing
- Scanning
- Push Printing
- AD
- Mobile

Hosted

- Business Applications
- Pull Printing
- Corporate or Affiliate Printer
- Distant Offices / Coworking

Hybrid Approach

- On premise
- Private Cloud
- Public Cloud provider
- Local authentication
- Modern authentication
- Mix and match
- We are here to help

Future Product Roadmap

Guy Tucker & Mark Ladd

Agenda

- R4 update – What's happened in the last year?
  - Language support
  - Ease of use
  - Origin
  - General Security
  - Database
  - VSPA
  - PPM
  - MFPsecure
- Mission Control with Demonstration
- Futures

Language Support

- Where we were -
  - English
  - French
  - Spanish
  - Italian
  - German
  - Russian

And now –

- Catalan
- Czech
- Danish
- Dutch
- Finnish
- Greek
- Hungarian
- Korean
- Norwegian
- Polish
- Romanian
- Swedish
- Turkish
- Simplified Chinese
- Traditional Chinese

Ease of use

- User Interfaces have evolved from basic list screens to modern administrative tools
- Printer dialogs both print and scan have evolved based on customer request
- Personal Print Manager evolution
  - Printer Driver Manager – command line or admin interface
  - PPM – Based on customer design imperatives
  - PPM today – highly functional print management tool with end-user simplicity in mind

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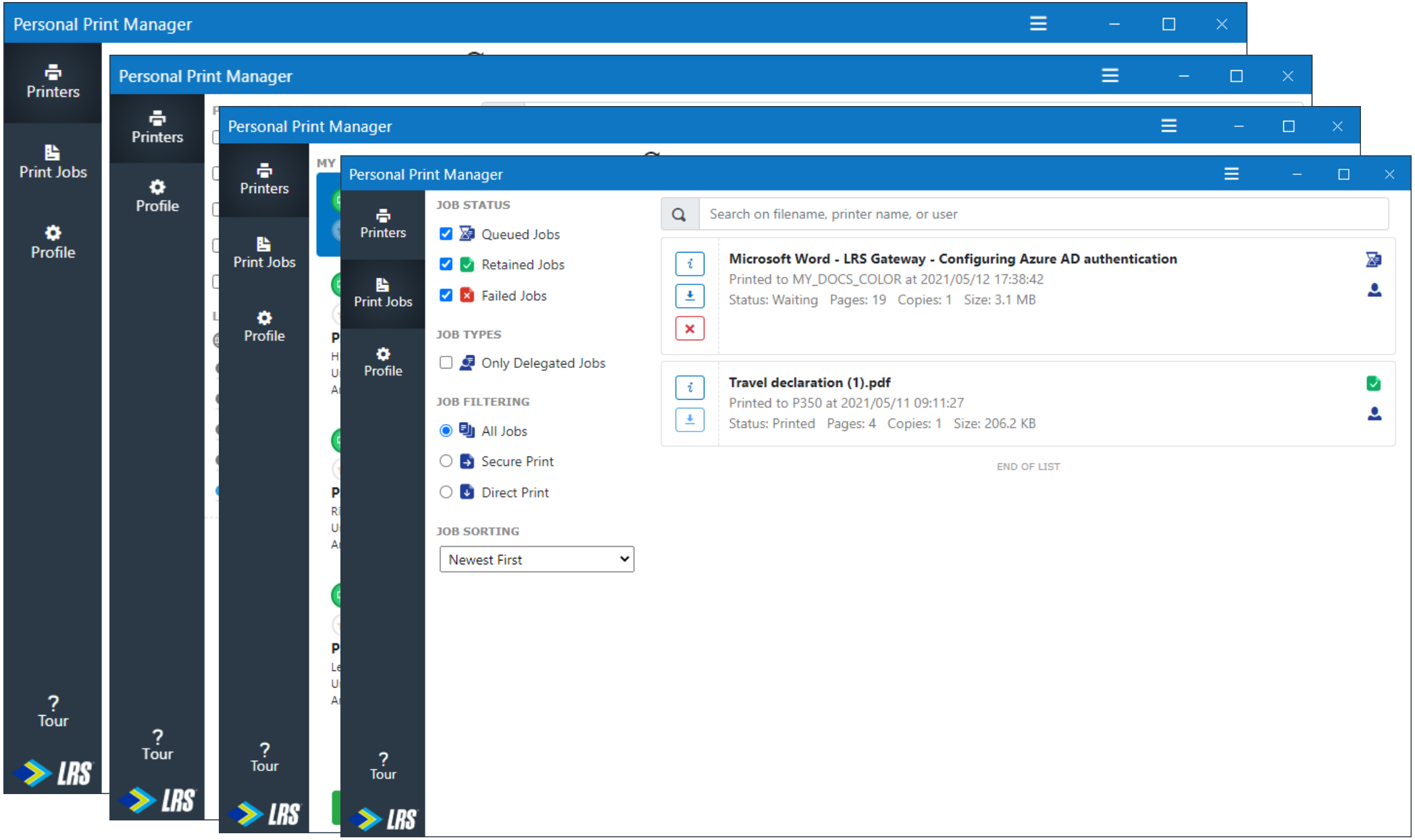
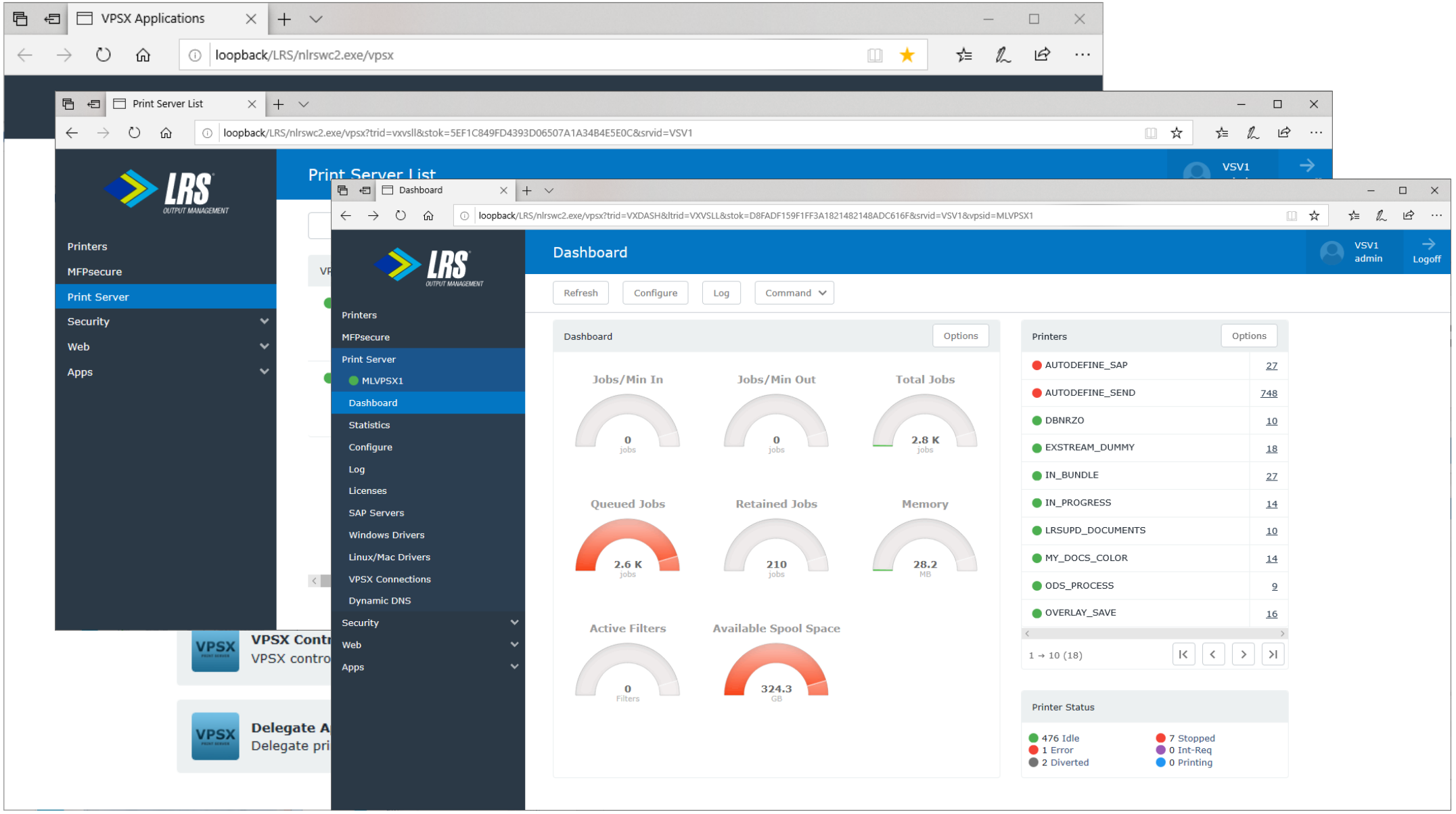
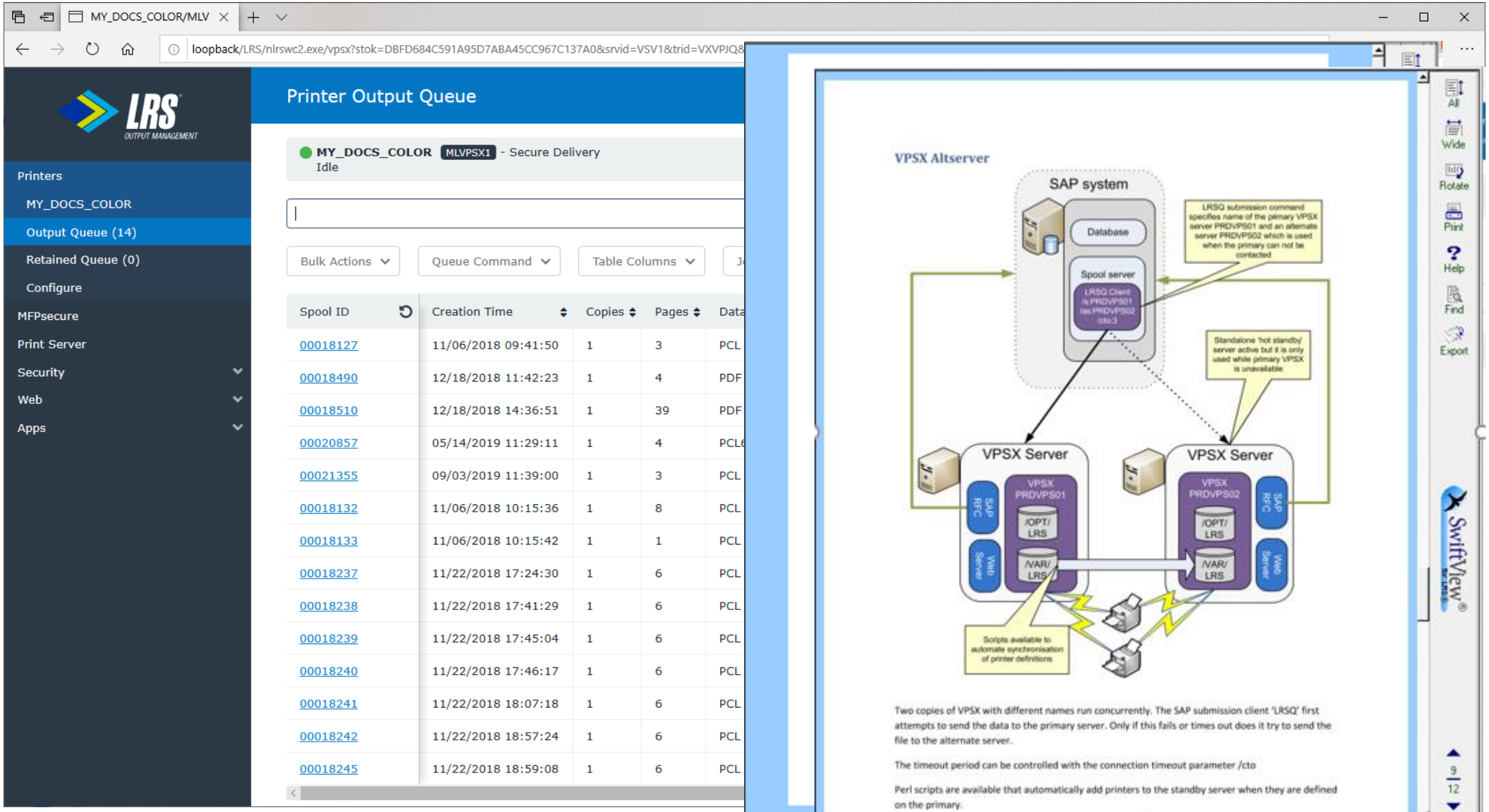
Personal Print Manager (PPM)



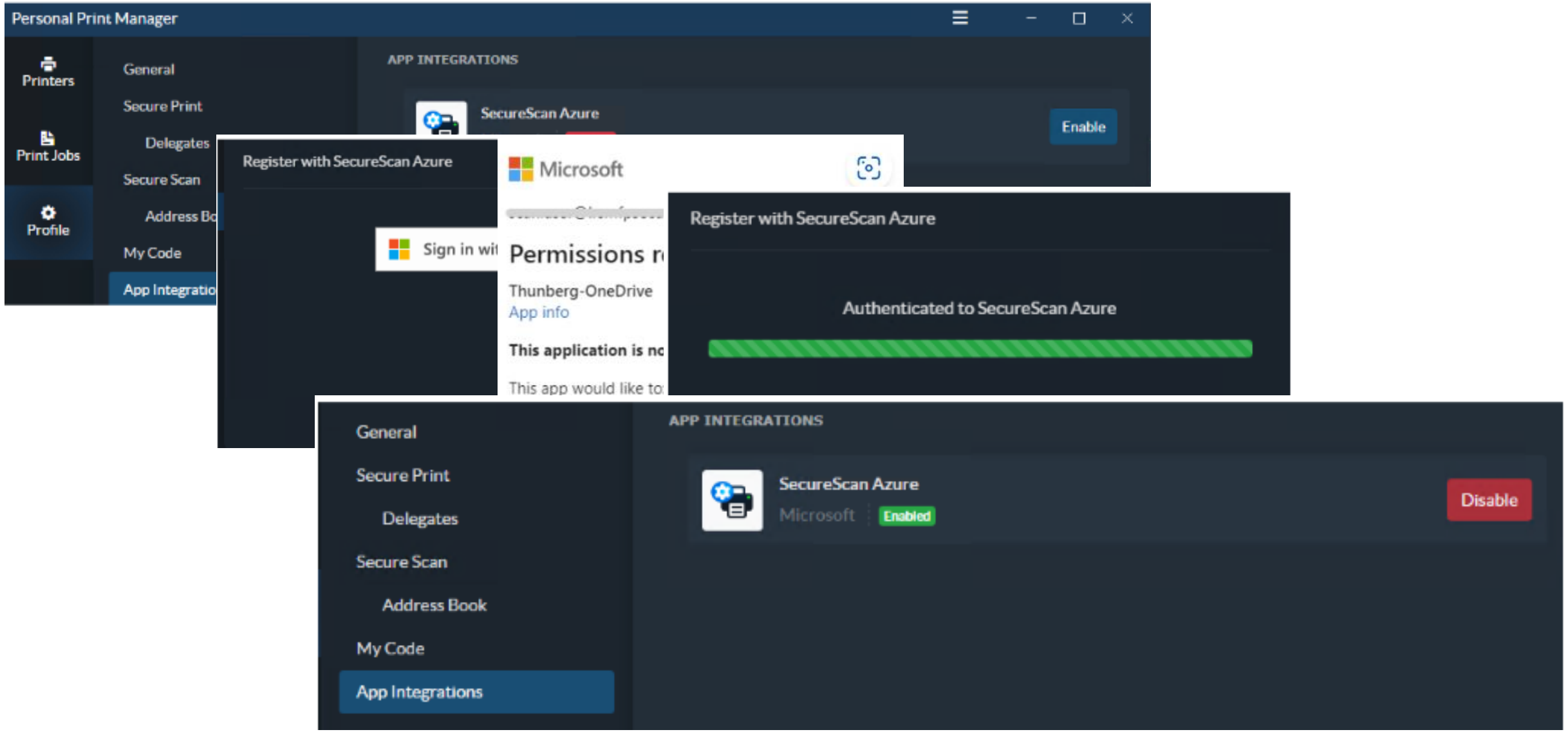
Monitoring and Control



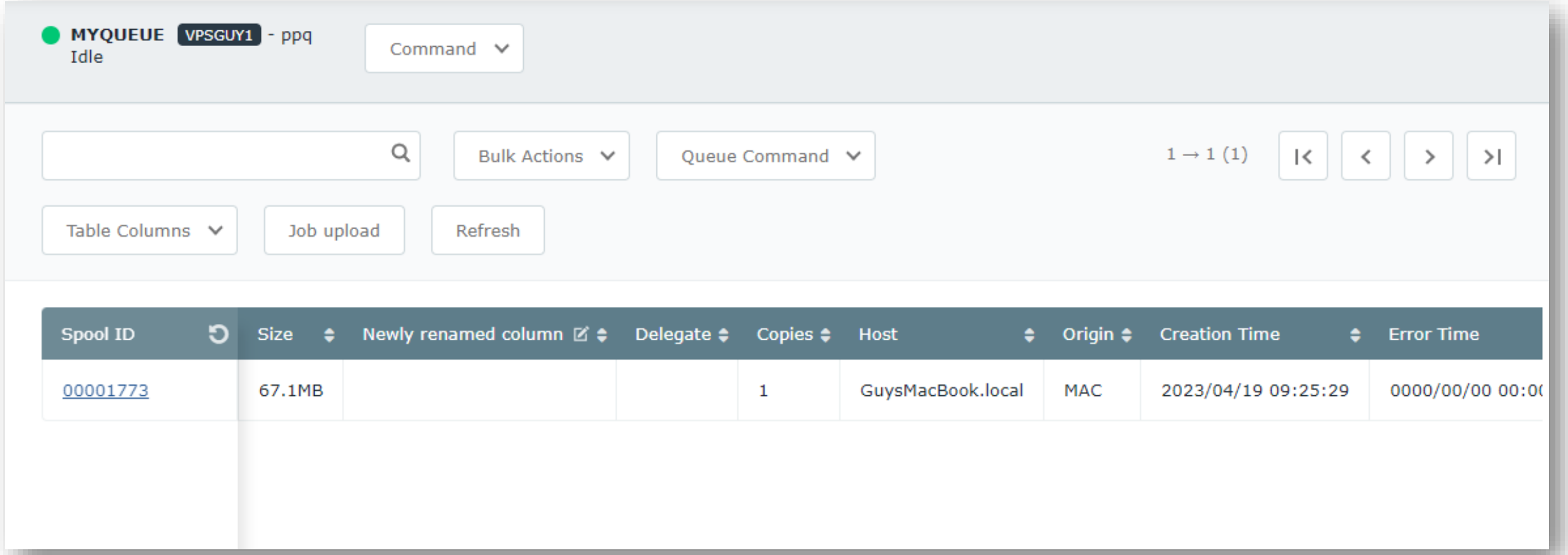
Monitoring and Control



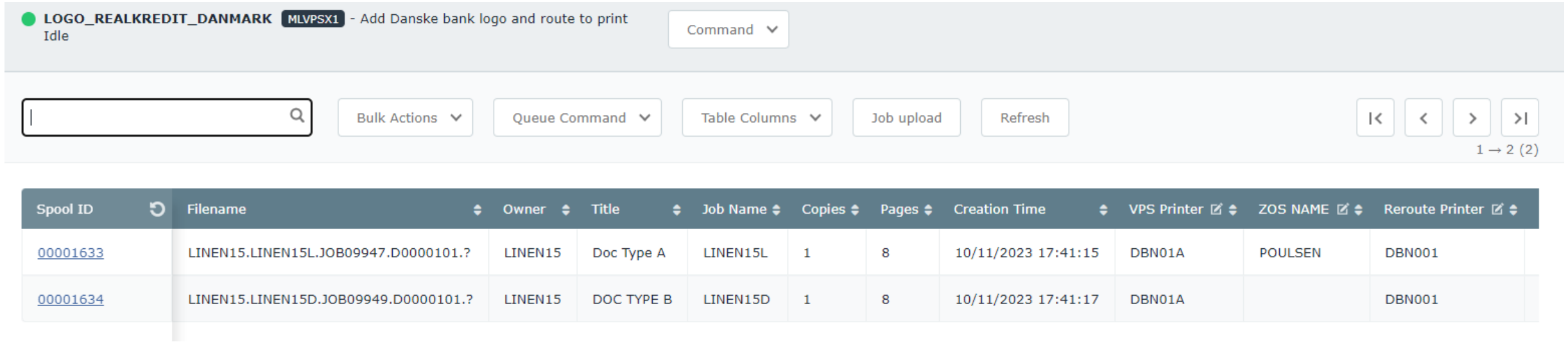
Scan to OneDrive – user access token



Origin field



Customize Column Headings

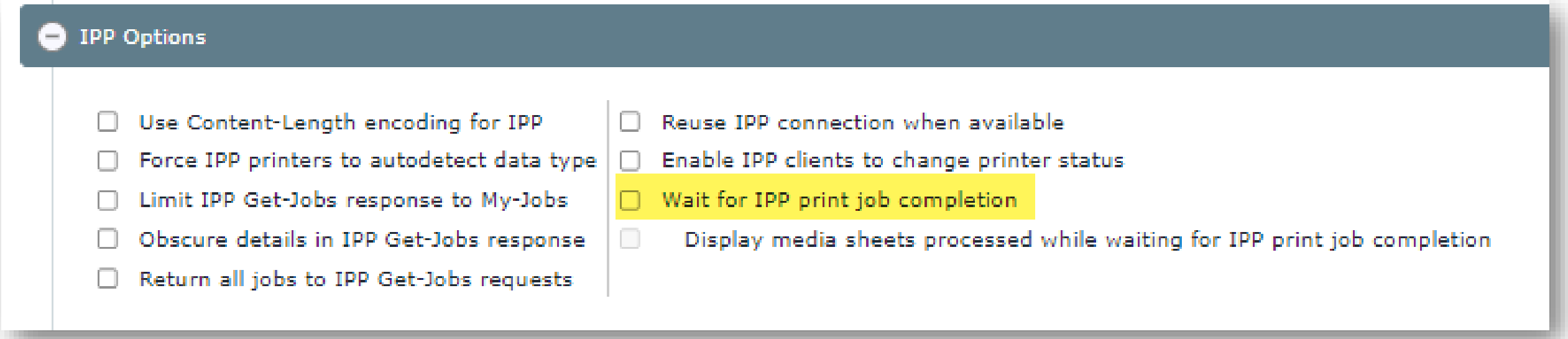


SNMP

- SNMP Property Updates at print time
  - We have long done this for LPD, SOCK, PJL and COT commtypes.
  - This enhancement adds IPP and IPPS commtypes to the list
  - SNMP must be enabled.

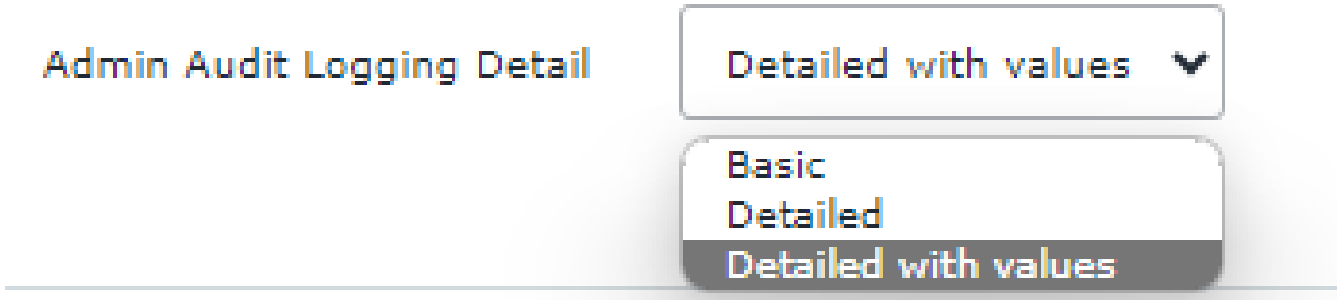
IPPS Status

- Encryption to the device
- Jobs streamed using IPP / IPPS can be configured to track progress of the print job after streaming is complete.



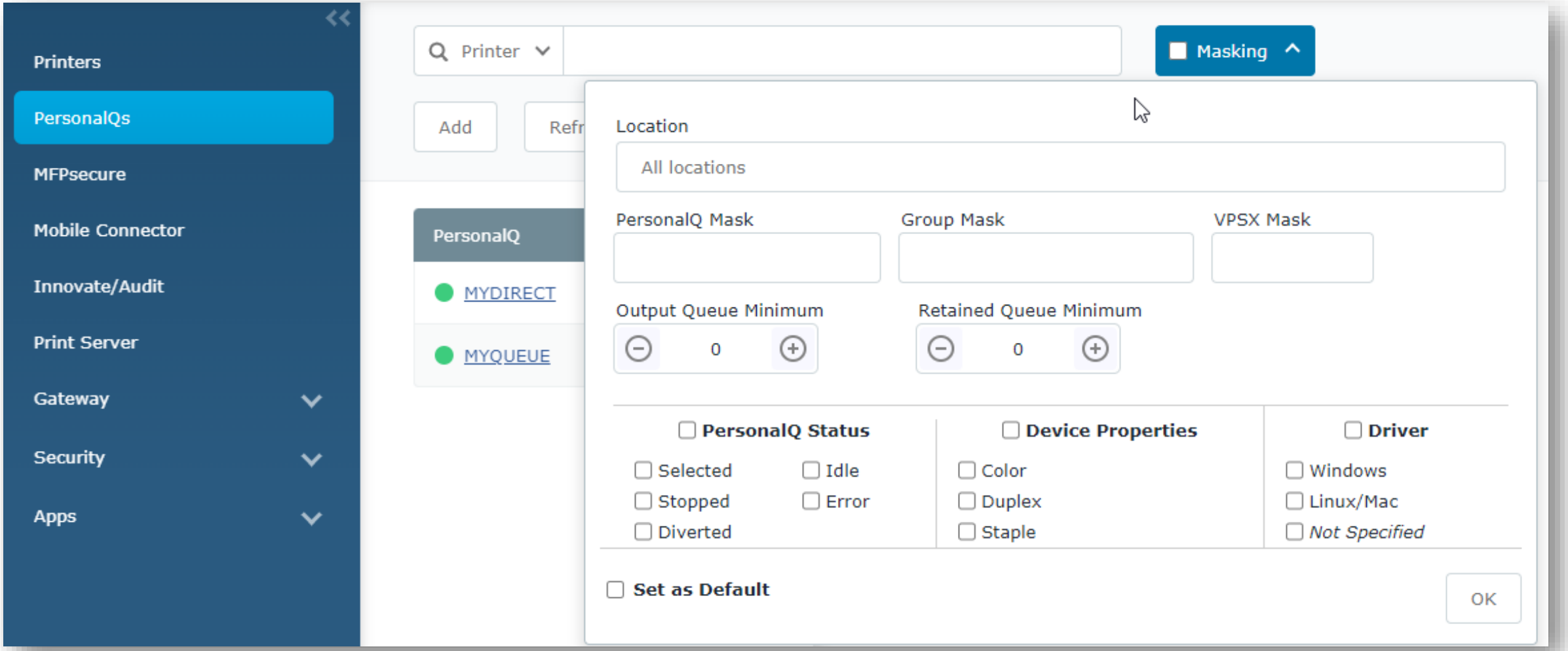
Logging of queue and system changes

- A new keyword has been added that allows administrators to specify the amount of detail included in the VPSX log when a VPSX or Printer configuration change has been made.

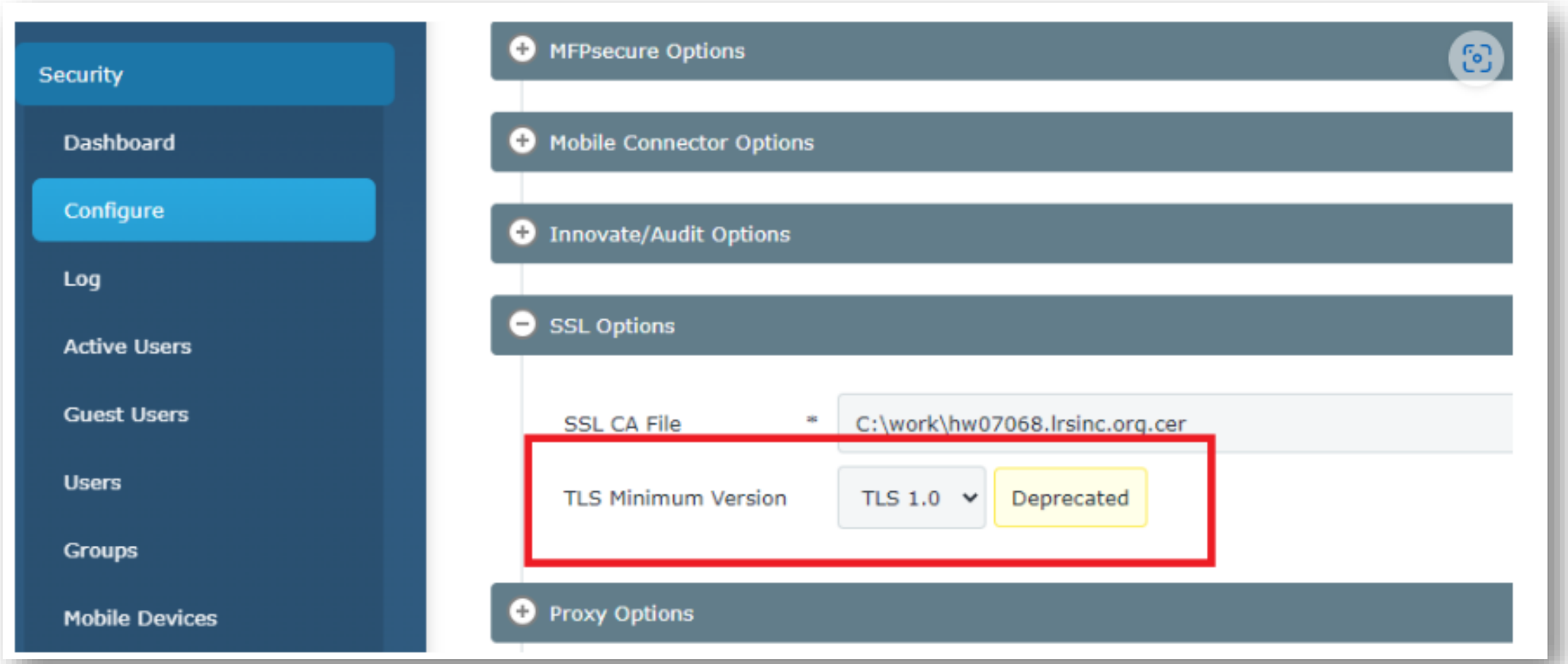



```
03 Oct 2023 14:47:26 VPSX0268I <CREQ0001      > SYSTEM CONFIGURATION UPDATED BY USER guy.tucker@lrs.com (UPDATED SNMPAUTHPROT FROM "none" TO "NONE")
03 Oct 2023 14:47:26 VPSX0268I <CREQ0001      > SYSTEM CONFIGURATION UPDATED BY USER guy.tucker@lrs.com (UPDATED SNMPPRIVPROT FROM "none" TO "NONE")
03 Oct 2023 14:47:26 VPSX0268I <CREQ0001      > SYSTEM CONFIGURATION UPDATED BY USER guy.tucker@lrs.com (UPDATED ADMAUDITLOGLVL FROM "0" TO "2")
03 Oct 2023 14:48:46 VPSX0268I <CREQ0001      > QANULL CONFIGURATION UPDATED BY USER guy.tucker@lrs.com (UPDATED FILTER2 FROM "" TO "c:\window\system32\cmd.exe")
03 Oct 2023 14:48:46 VPSX0268I <CREQ0001      > QANULL CONFIGURATION UPDATED BY USER guy.tucker@lrs.com (UPDATED F2DTYPE FROM "" TO "PDF")
03 Oct 2023 14:48:46 VPSX0268I <CREQ0001      > QANULL CONFIGURATION UPDATED BY USER guy.tucker@lrs.com (UPDATED F2ARGS FROM "" TO "/ccopy &infile &outfile")
```

PPQ masking


Printers
PersonalQs
MFPsecure
Mobile Connector
Innovate/Audit
Print Server
Gateway
Security
Apps
Printer
Masking
Add
Refr
PersonalQ
MYDIRECT
MYQUEUE
Location
All locations
PersonalQ Mask
Group Mask
VPSX Mask
Output Queue Minimum
0
Retained Queue Minimum
0
PersonalQ Status
Selected
Idle
Stopped
Error
Diverted
Device Properties
Color
Duplex
Staple
Driver
Windows
Linux/Mac
Not Specified
Set as Default
OK

Security hooks



LRS/Gateway

- LRS/Gateway
  - Linux support came out with R4
  - Fix Level 2 now includes PostgreSQL support

PPM / VSPA

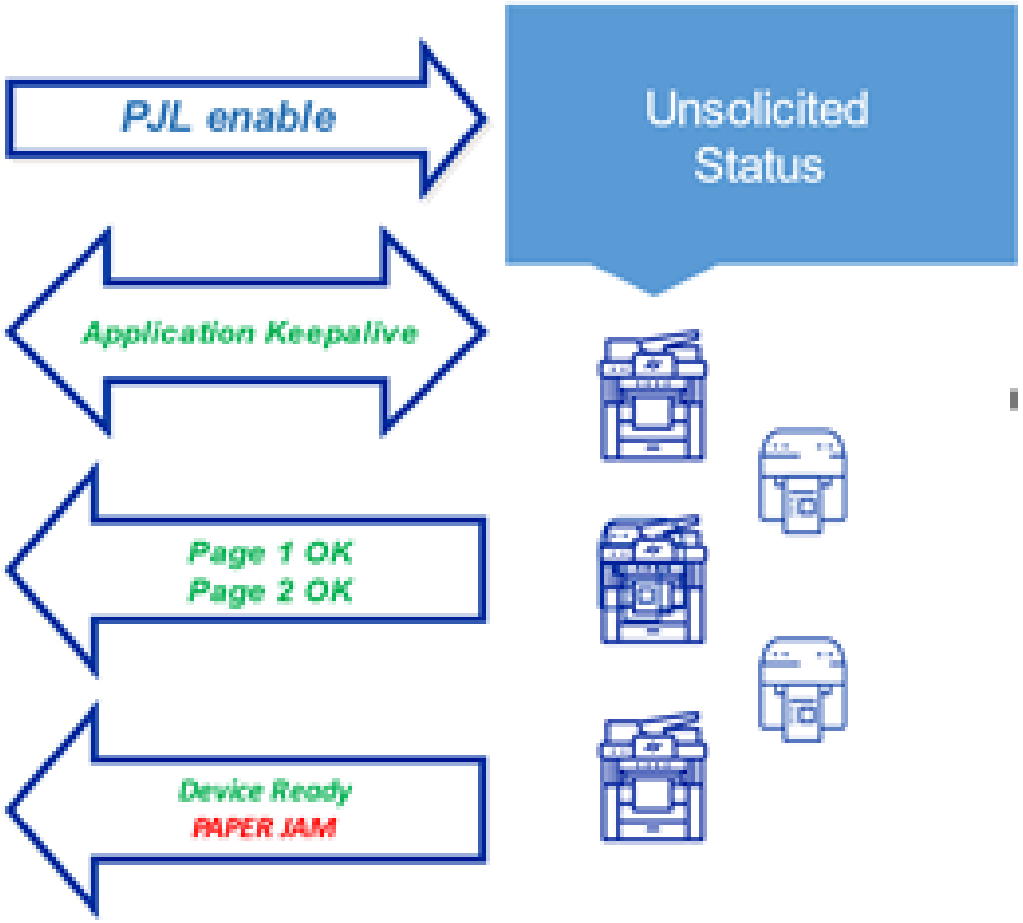
- Color scheme better fits into the VPSX R4 look and feel
- If a default printer is changed in PPM, it gets reported back to Gateway for continuity
- Also, Default Printer can roam bound either to the user of terminal
- And a Direct printer can be a default.

PPM / Default printer and Proxy

- What is a Proxy? (or forward proxy in this case)
- Operating System Environment Variables
- System vs. User context
- Talking to printers
- PDM vs. PPM vs. Broker

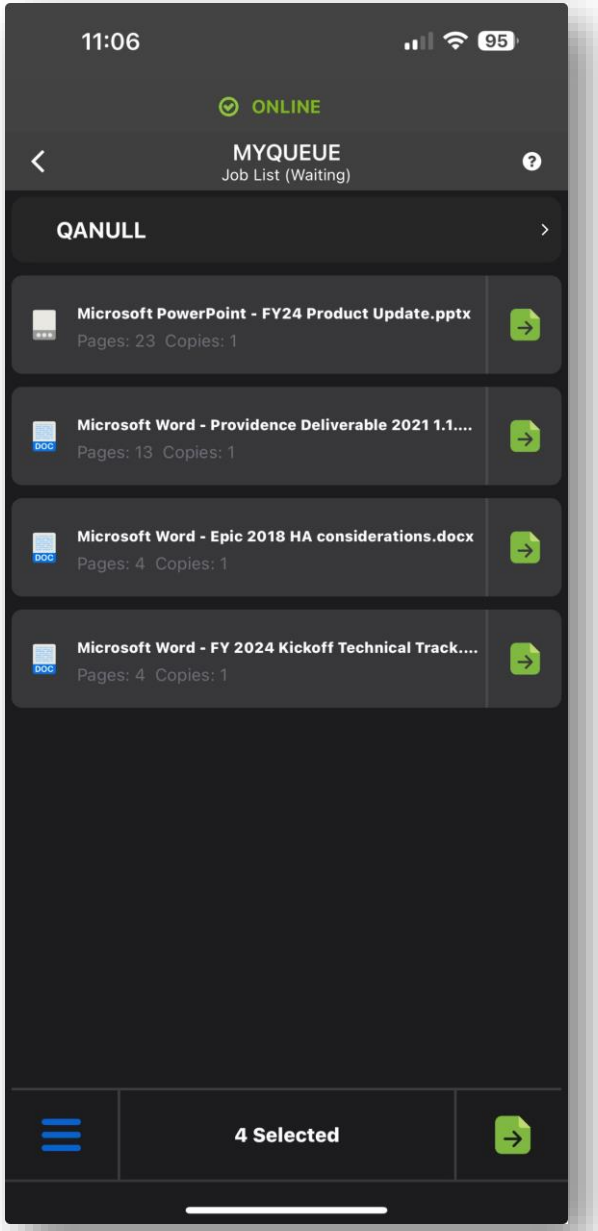
Assured Delivery LRS PJL Delivery

- Advantage of PJL for page level delivery
- Long standing proven method that LRS products have used
- Now extended to Zebra and SATO label printing

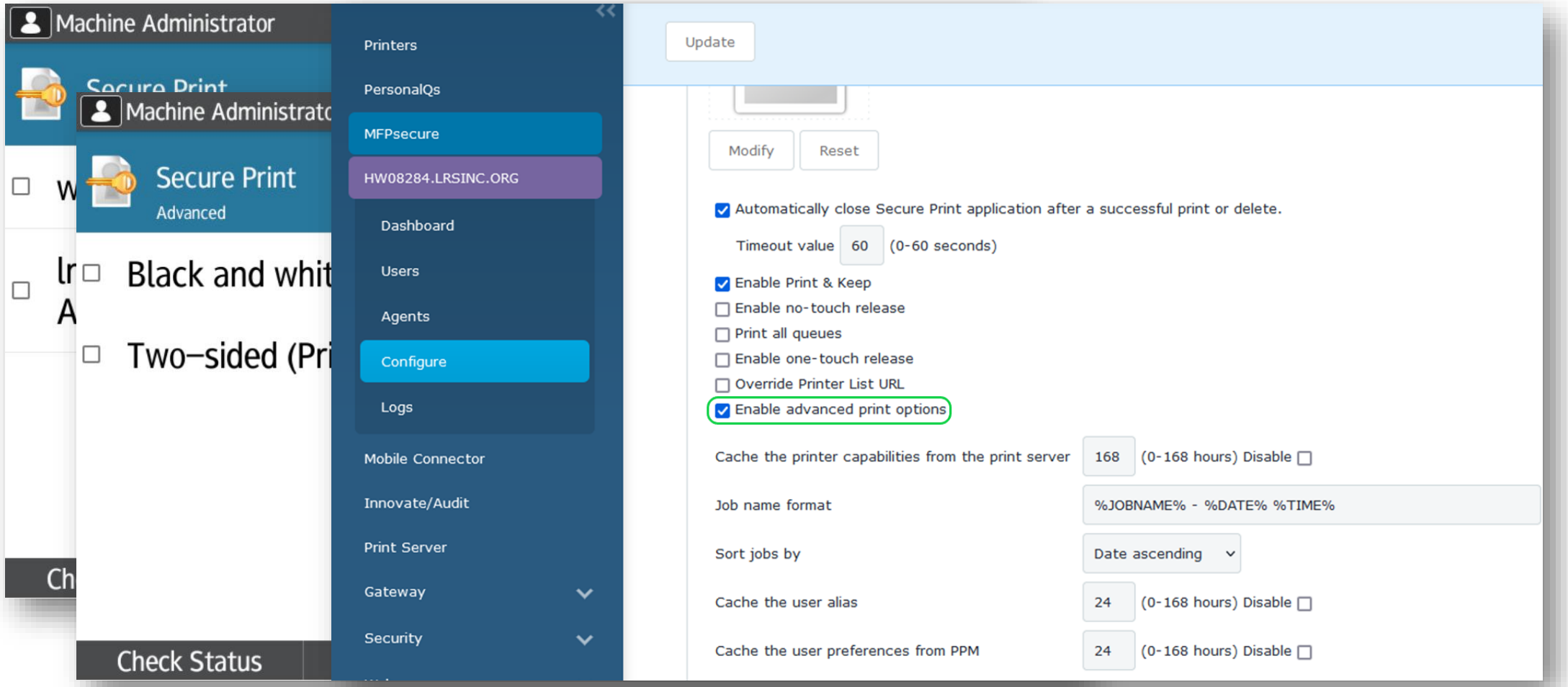


VPSX Print APP

- Active-Active NLB is getting more common.
- Before, however, the print release app would list only one server's worth of jobs.
- This has been enhanced to show jobs in multiple VPSX instances of the PPQ



Controlling print behavior from the fleet

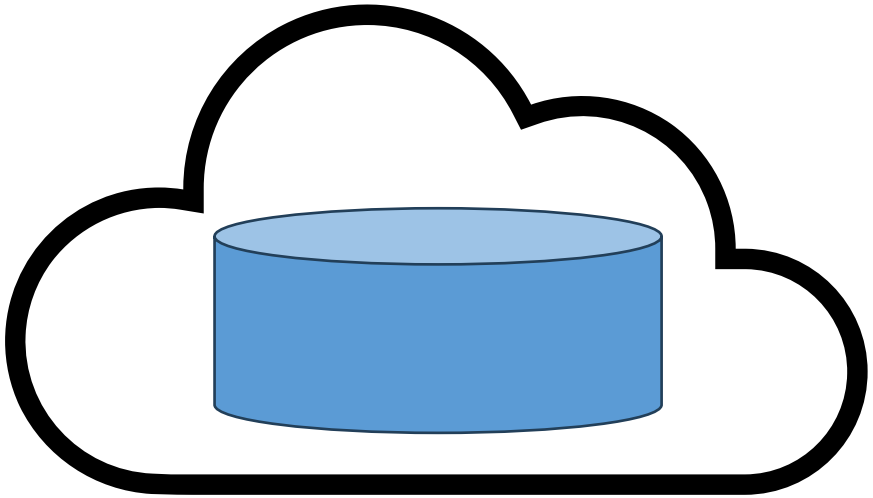


Demo System & LRS Mission Control

Futures – Innovate/Audit

LRS
OUTPUT MANAGEMENT

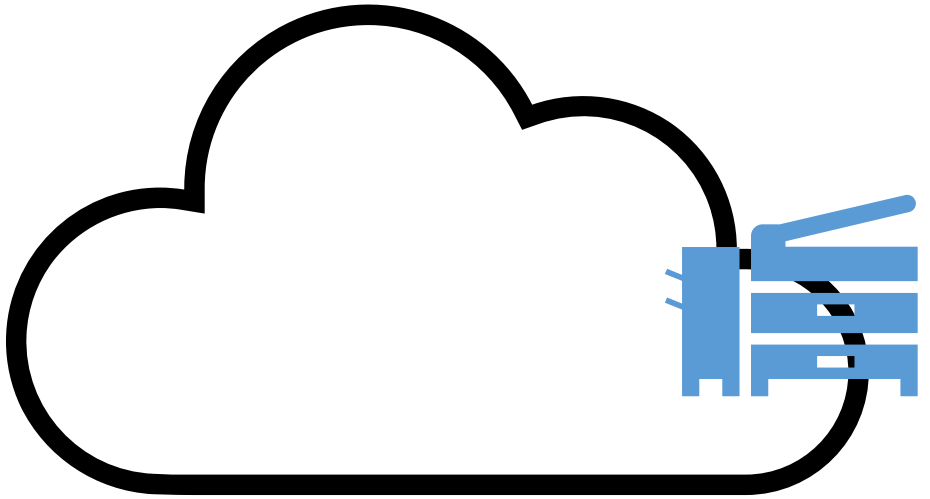
Mission Control



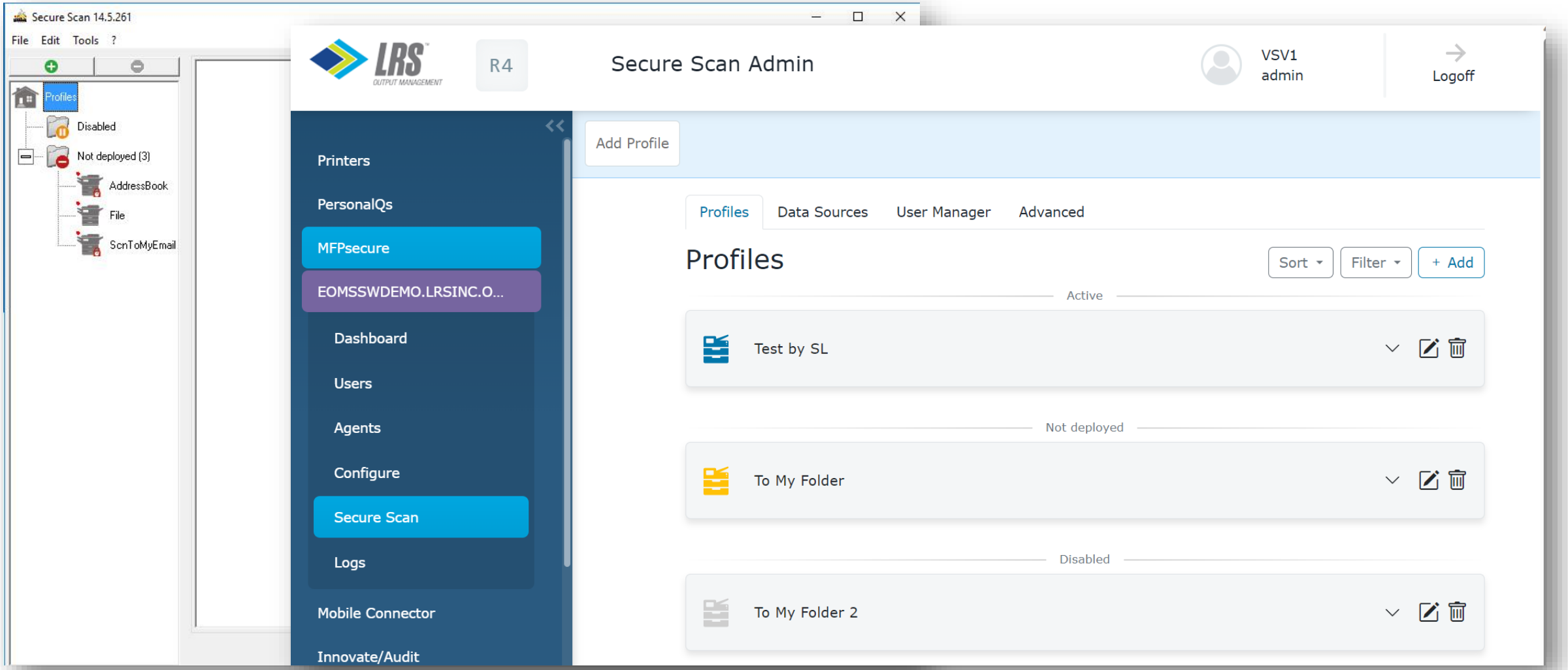
Futures – Direct Print

LRS
OUTPUT MANAGEMENT

Mission Control



MFPsecure/Scan UI



ensing

- The proble
- The future
- What it me

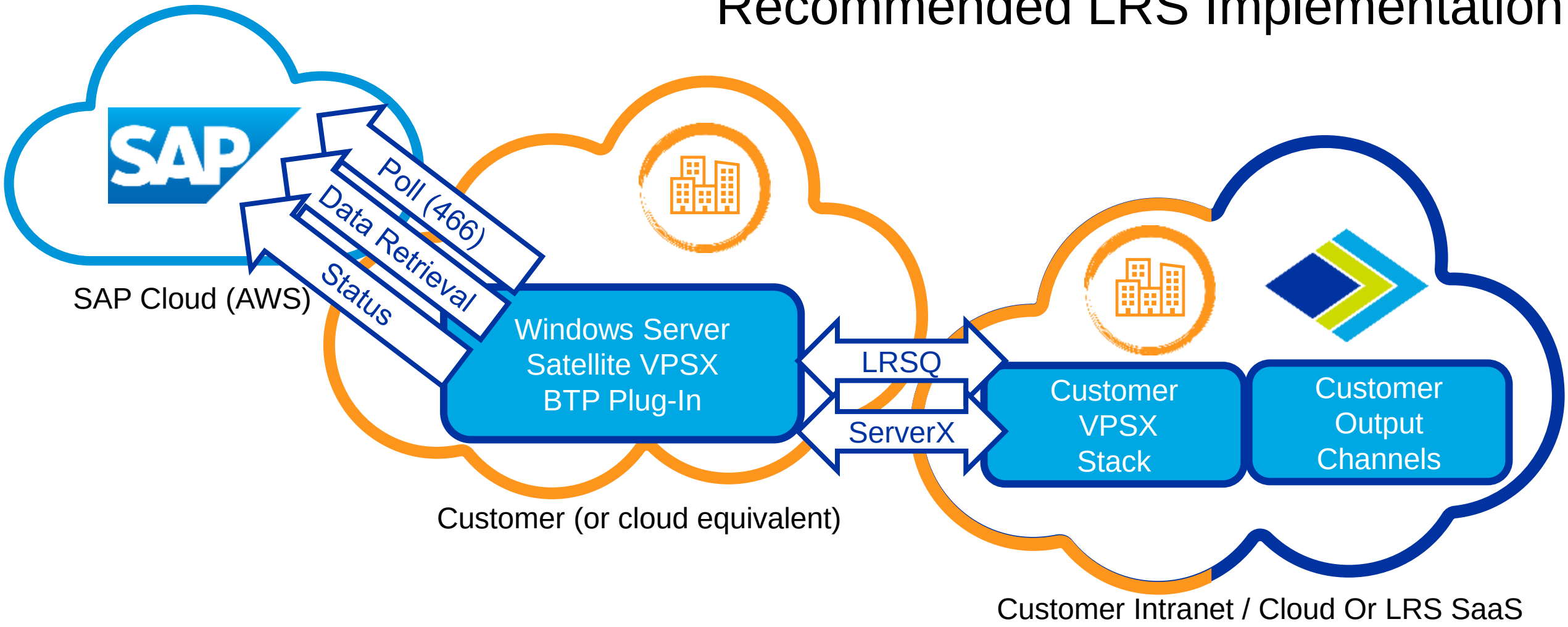
Application/Storage Destinations	MFPsecure/Scan	MFPsecure/Scan Pro
Folder	🟢	🟢
FTP Server	🟢	🟢
Email	🟢	🟢
Lotus Notes	🔴	🟢
Fax	🟡	🟢
Box	🔴	🟢
Dropbox	🔴	🔴
Google Drive	🔴	🟢
Microsoft OneDrive	🔴	🟢
SharePoint	🔴	🟢
Database	🔴	🟢
WebDAV	🔴	🟢
Microsoft Teams	🔴	🟢
Print via VPSX	🟢	🟢

MFPsecure/Scan licensing

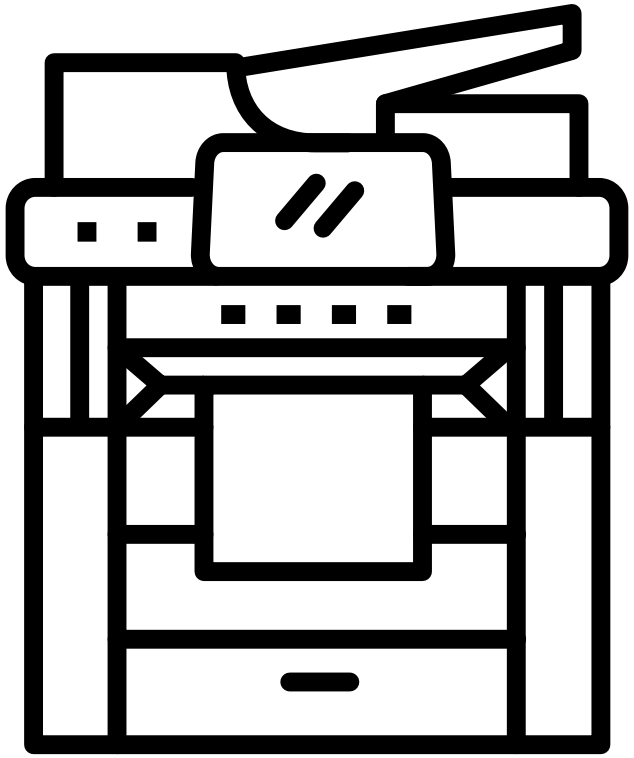
- MFPsecure/Scan and then add-on
  - OneDrive
  - SharePoint
  - Teams
  - Others?
- MFPsecure/Scan has Tesseract OCR engine
- MFPsecure/Scan Pro has IRIS professional scan engine

S4HC-ES-PRINT-OMS/BTP-PRINT-OMS

Recommended LRS Implementation



IPP futures



- IPP is the protocol that Apple and Microsoft are counting on
- The formatted document will be PDF or XPS – so no built in finishing options like duplex, monochrome, Tray, stapling etc
- The LRS direction

LRS UK User Group

Coffee Break

LRS OUTPUT MANAGEMENT

LRS Support Portal and Knowledgebase

Demonstration Video

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New LRS Support Site and Knowledgebase

Many benefits, including:

- Online case management
- Option to subscribe to product update notifications
- Streamlined process to request maintenance
- A knowledgebase with FAQs, release notes, tech tips, and other useful information
- A modern look and feel with a powerful search engine
- Improved security with an option for Single Sign-On (SSO)

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LRS Support Site

Find the answers you need when you need them

Search (minimum 3 characters)

OPEN A SUPPORT CASE
Request Support

MAINTENANCE REQUEST
Request Maintenance

KNOWLEDGE BASE
Browse and Search for Articles

Announcements

Testing the portal announcement

My Recent Cases

Maintenance Request - 2023-06-05
CS0073068 • about an hour ago

VPSX case
CS0073067 • about an hour ago

Needs Attention

No records found

Create Case

Submit a case about your asset and our support team will assist you.

Submit

*Account

Levi, Ray & Shoup, Inc.

Contact

Kurt Windisch

Asset

VPSX Enterprise

Priority

3 - Moderate

*Subject

Test subject

*Description

Test description

LRS UK User Group

VPSX case

Type your message here... Send

Kurt Windisch — 2m ago . Additional comments

Please provide the error code.

Kurt Windisch — 5m ago . Additional comments

VPSX case description

Kurt Windisch — 5m ago

CS0073067 Created

Start

Actions

Close Case

Ticket Fields details

Number CS0073067	**Assigned to** Kurt Windisch
Priority 4 - Low	**State** Open
Asset VPSX Enterprise	**Updated** 2m ago

Attachments

Drop files here

LRS UK User Group

Manage Cases

- All Cases
- Action Needed
- My Cases
- Emergency Keys
- Maintenance Requests

Cases

New

Keyword Search

Number	Short description	Asset	Contact	Account	Priority	State	Updated
CS0073068	Maintenance Request - 2023-06-05		Kurt Windisch	Levi, Ray & Shoup, Inc.	4 - Low	Open	2023-06-05 08:14:20
CS0073067	VPSX case	VPSX Enterprise	Kurt Windisch	Levi, Ray & Shoup, Inc.	4 - Low	Open	2023-06-05 08:09:48

Rows 1 - 2 of 2

Maintenance Request for IL0000 - Levi, Ray & Shoup, Inc.

VPS

- ○ VPS Version 2 Release 1.1
- ○ VPS Version 2 Release 1.2

DRS

- ○ DRS Version 2 Release 1.1
- ○ DRS Version 2 Release 1.2

VPSX

- ○ VPSX V1 R3.0
- ◉ VPSX V1 R4.0

PCX

- ○ PageCenterX V1 R2.0
- ○ PageCenterX V1 R3.0

Transforms

- ○ Conversion Products R3.0
- ◉ Conversion Products R4.0

Anyqueue

- ○ LAN Products V1 R8.0

Create Maintnenance | Reset

LRS UK User Group

LRS Knowledge Base

Find the answers you need when you need them

Search (minimum 3 characters)

Pre Recs & Checklists

More information here.

FAQs

More information here.

Release Notes

More information here.

Best Practices

More information here.

Product Documentation

Documentation, Training, End of Support, etc.

Tech Tips

How to make the most from your LRS Software

Refine results

Category

Filter

Best Practices

Products

Innovate/Audit
Intelligent Document Bundling
MFPsecure/Print
MFPsecure/Scan
Mobile Connector
PageCenterX
Printer Driver Management (PDM)
VPS
VPSX Enterprise

Last Modified

Past 2 Years
Past Year
Past Month
Past Week
Past 24 Hours

2 results for "vpsx"

Sort by | **Relevance** Views Newest Alphabetical

Showing All Results

VPSX and MFPsecure in Traffic Managed/Load Balanced environments

Best Practices

and NetScaler, between LRS components such as **VPSX**, MFPsecure and MFPsecure Agents will cause fatal There is a requirement in a **VPSX** and MFPsecure solution to identify the originating source of a communication issues, a simple…

KB0010155 • 6d ago • 5 Views

Capturing Application Output

Best Practices

that can be used to submit, query, and delete print requests to **VPSX**® (Output Management), PageCenterX compression and optionally encryption between the client and **VPSX** or PageCenterX. Although the LRSQ command…

KB0010149 • 6d ago • 1 View

KB0010155

VPSX and MFPsecure in Traffic Managed/Load Balanced environments

6d ago • 7 Views

Introduction

Introducing load-balancing and/or traffic management network agents, such as BigIP/F5 and NetScaler, between LRS components such as VPSX, MFPsecure and MFPsecure Agents will cause fatal operational issues if the network agents are not configured appropriately.

Since the network agents are not "just routing", they may not pass the communication packets though untouched - packets may be opened, inspected and re-written and this will lead to issues in the areas of IP source information and HTTPS certification.

LRS are not responsible for the configuration of these network agents, but this document aims to describe the issues that arise and the configuration requirements that may need to be implemented. Example configuration detail of certain network management tools may be available - please contact your LRS Software Consultant or LRS Support.

Scope

The intended readers of this document are:

- technical network engineers
- technical project managers
- print solution administrators

Most Useful

TEST
72 Views • 25d ago • 26d ago

LRS UK User Group

Group Filter Clear

- Mainframe
- Open Systems

Product Filter Clear

Filter

- Transform/LCDS to PS
- VMCF
- VMCF/Web Access
- VPS
- VPS/LCDS to TIFF
- VPSX
- VPSX/DBCS Fonts
- VPSX/DPE
- VPSX/EI
- VPSX/Global Fonts
- VPSX/MFI
- VPSX/MICR Font
- VPSX/SI

Product Documentation

Search

Open Systems

- VPSX UPD V1 R10
- VPSX V1 R30
- VPSX V1 R40

Refine results

Knowledge Bases

Release Notes

Category Clear

Filter

Release Notes

Products

Filter

Innovate/Mill
LRS Transforms
LRS/MVS Server
LRS/Spool
MFPsecure
PageCenter
PageCenterX
VPS
VPSX

Last Modified

5 Results

Sort by | Views Newest **Alphabetical**

Applied Filters Release Notes ✖ VPSX ✖ Clear All

LRS/NetX V1R3.0.0024 - 7/19/2023 - LRS/NetX

Release Notes > Open Systems > VPSX

LRS/NetX V1R3.0.0024 Enhancement: Added new printer configuration keywords to the WSDL API. Pre-requisite(s): LRXAPI LIBRARY V1R1.0.122 WEBSVC LIBRARY V1R1.0.040 Click here to see the full list of Fixes in the Product…

KB0010224 • about a month ago • 3 Views

LRS/NetX V1R4.0.0004 - 7/12/2023 - LRS/NetX

Release Notes > Open Systems > VPSX

LRS/NetX V1R4.0.0004 Enhancement: Added the "Log" option to the printer sidebar menu and display the "Output Queue" and "Retained Queue" options when on the Printer Configuration screen. Pre-requisite(s): LRXAPI LIBRARY…

KB0010231 • about a month ago • 1 View

VPSX V1R3.0.0034 - 7/19/2023 - VPSX

Release Notes > Open Systems > VPSX

VPSX V1 R3.0.0034 Enhancement: Updated OpenSSL to 3.1.1. Fix: A server based print job released to a PJL printer may skip multiple pages if the job fails to print and is retried multiple times. To resolve the issue, printer configuration…

KB0010223 • about a month ago • 2 Views

VPSX V1R4.0.0003 - 6/6/2023 - VPSX

Release Notes > Open Systems > VPSX

VPSX V1R4.0.0003 Fixes: Resolve an issue introduced with VPSX V1R4.0.001 where a storage overlay may occur on a

Notification Preferences

Notification Settings

Allow Notifications

On

Turn off all notifications, We may still send you important notifications about your account and content outside of your preferred notification settings.

What notification you receive

- Customer Service
- Release Notes: Mainframe
- **Release Notes: Open Systems**

MFPsecure Release Notes On

PageCenterX Release Notes On

Transform Release Notes On

VPSX Release Notes On

State of the art Scan

Guy Tucker

MFPsecure/Scan

- MFPsecure/Scan streamlines digitization and document routing processes
- With advanced, user-friendly, customizable tools for automated document capture, processing, and secure distribution. With MFPsecure/Scan, your scan device becomes a full workflow engine that saves time, eliminates errors, and improves business processes.

The way forward

We need to change how we think about scan

It is not about destinations

It is about process improvement

Changing the paradigm

Reading the document

- Text of course
- Barcodes?
- QR Codes?
- Zone-based information?

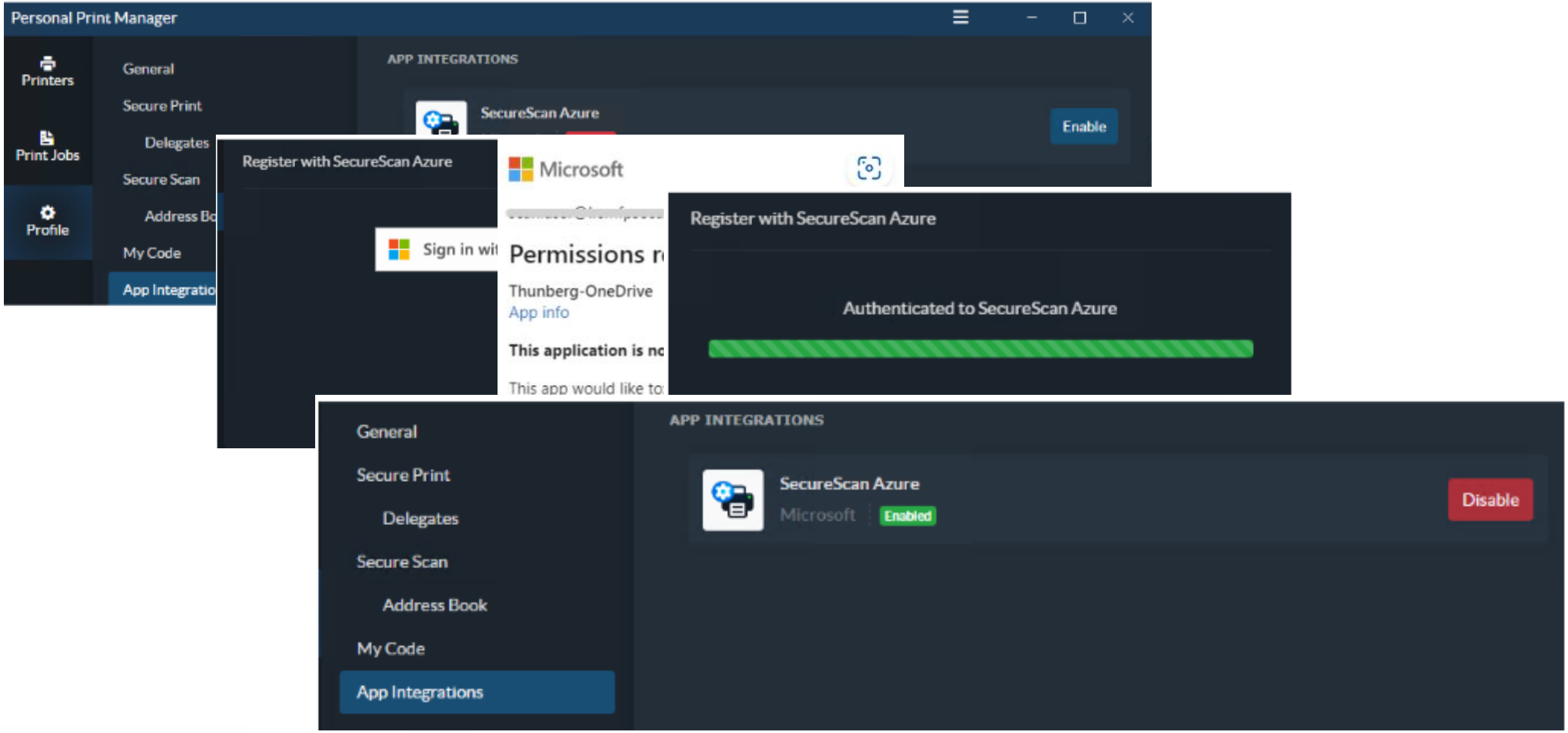
A word on authority

- MFPsecure requires user authentication
- Once the user is known, this is used for later processes
  - Folder access
  - Database updates
  - API user authentication

More on Authentication

- Security vs. Usability
- Badge taps
- MyCode
- User and Password
- Futures?

Scan to OneDrive – user access token



A note on Usability

- Card enrollment
- Set up in advance
- Token creation (Azure)
- Code maintenance

Set and forget

- All administration done centrally
- Authority and permissions from external sources
- Can be customer-configured
- LRS assistance always available

USE
CASE

An energy company

- A batch of orders is scanned. The orders are separated by covers sheets.
- The Cover sheet has barcodes and text. The scan process resolves the barcodes and looks for text (OCR) on the cover sheet.
  - The values are evaluated for recognition, and to ensure all values are present
- IF all are available, then the document triggers a later application flow
- If not, then the document triggers a human process or, if the document is bad enough an Error workflow, to sort the problem

Construction company

- Faxing is still a heavily used technology
  - It is secure.
  - It provides a physical proof of delivery to the user
  - It is easy to set up.
  - But it requires another machine.
- Electronic means and orders are nice but
  - They require a network-based computer
  - And knowledge of how an application works
  - And a user that is logged onto the machine.
- These concepts can be difficult to cover in a construction scenario

Construction company

Using LRS Scan technology

- The construction site scans the document providing a fax number in the UI
- The backend scan technology notes the printer's name. The document and number are sent to a web-based fax service.
- Success or failure is returned by the web-based service
- This status is emailed back to the LRS server with the printer name noted
- As such, the success or failure is printed on the device.

Construction company

- NO user had to be logged in.
- The sender got their confirmation
- The MFP needed no fax card or phone line, just connection to the network.

LRS and SAP in the New World

Chris Taylor

Session Topics

- LRS Old World
- LRS Mid World
- LRS New & Legacy World

What LRS Provides

- Previous Capabilities
- What LRS added
- What's New

"LRS Old World"

SAP Printing is CHANGING

In the past SAP output was not fully composed, so LRS enabled:

- ✓ Device Independence of the print data-stream
- ✓ No requirement for SIMMS and DIMMS
- ✓ Generic device definitions not specific ones (SAPGOF
- ✓ Generate Unicode Output on any laser device
- ✓ Generate Barcodes easily on any laser device
- ✓ Fonts to include selectively in the print data because SAP didn't do that and Unix systems are NOT LICENSED for windows fonts.

"LRS Mid World"

SAP Evolution To Date

- ✓ SAP customers had to use Adobe Document Server (ADS)
  - ✓ Provided fully composed, ready to print documents – so no Unicode or barcode font car
  - ✓ But many customers were st SAPScript and SmartForms, documents print ready were
- ✓ Features were added to mak (SAP admin) to more easily definitions
- ✓ Easier for admins to synchronise printers across many SAP systems
- ✓ Worked with LRS to create an API to manage printers - The EOS Replicate script was created - SAP printers can be managed directly from VPSX with no manual SAP interaction

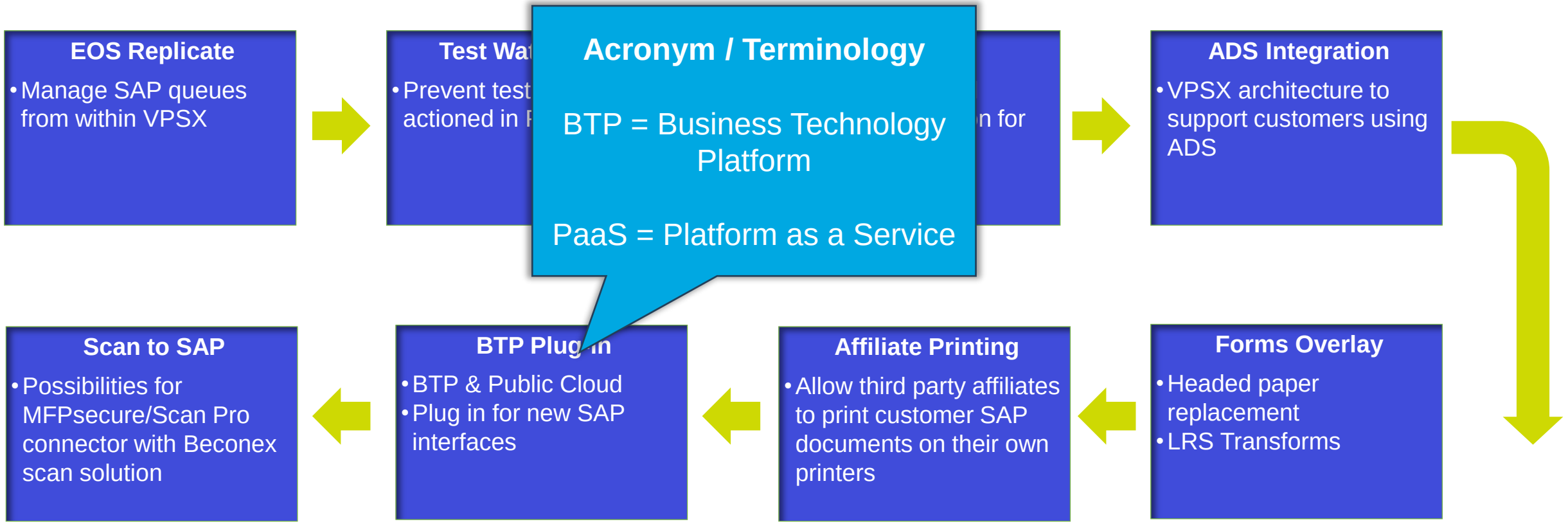
Acronym / Terminology

ADS = Adobe Document Server

Document Composition Solution for SAP

"LRS New World"

LRS Continually Added Value and Functionality



“LRS New World”

EOS Replicate

- Automatic SAP printer definitions in all systems
  - No time required from SAP Basis for printer definitions
  - New Printers or changes are available within minutes
  - Can be bound into your internal IMAC/D processes
- Reduction of time of SAP Basis and programing to zero for output issues
  - Projects no longer disrupted by daily troubleshooting of output issues
  - Its like getting 25% more staff.
- Assured Delivery
  - SAP Output no longer goes missing or is duplicated

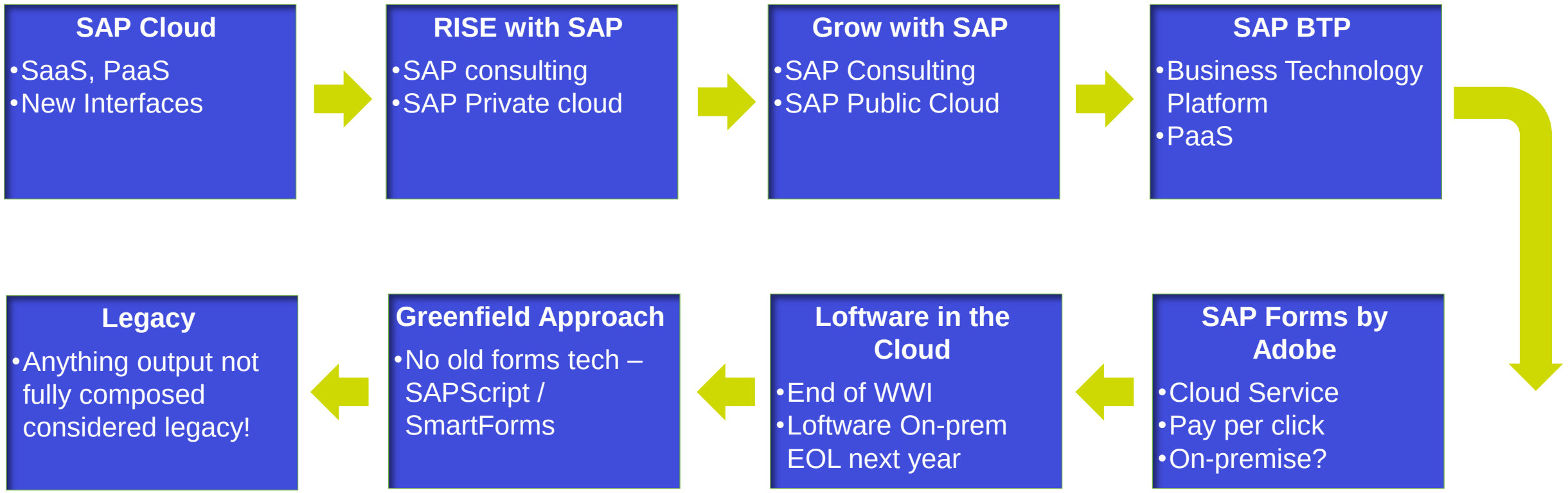
“LRS New World”

Affiliate Printing

- Support for Third Party SAP Printers
  - Business partners access the customer SAP systems
  - Business partners have their own IT print infrastructure
  - Internet only access is available for the partners printers
- SAP Infrastructure Simplification
  - Business partner VPN’s are no longer required for every location that requires the function of SAP print
  - No specialist port openings are required
- SAP Delivery Enablement
  - Business partners can print critical SAP customer labels and documents to their own printers (third-party printing)

"SAP's New World"

But NOW its all about S/4HANA and the Cloud



"SAP's New World"

ADS and Business Suite 7 Changes

Adobe Document Services out of support in 2027 - extended maintenance available until 2030

- It is pay per use (also preview) click charge
- Customers will have to change to "SAP Forms by Adobe" which is a BTP service
- Will there be an OnPremise possibility?

SAP standard documents for both Adobe Document Services AND SmartForms/SAPScript will also be out of support.

- Business documents will ONLY be supported and maintained in the new Business Technology Platform (BTP) based service.

"SAP's New World"

And what is with Labels

- SAP are working with Loftware to create a new Cloud based Global Label Management solution (GLM), which may, or may not have a document delivery component.
- The GLM target release date is December, 2024
- This will replace the current SAP Windows Word Integration GLM solution

"SAP's New World"

SAP S/4HANA Migration Strategy

Brownfield Upgrade ECC 6

Without existing output management solution

Brownfield Upgrade ECC 6

With existing output management solution

Greenfield SAP S/4HANA

Evaluate what is required to support Print and Output

*

"SAP's New World"

SAP S/4HANA Implementation

Where?

Infrastructure running SAP

- On Premise
- S4/HANA Cloud, Private (was HEC)

Who?

Infrastructure & Transition managed by

- Company
- Hosting Partner (IaaS)
- Outsourcer (SaaS)
- SAP (SaaS)

What?

Print Infrastructure Running SAP

- On Premise
- S4/HANA Cloud, Private (was HEC)
- EMS

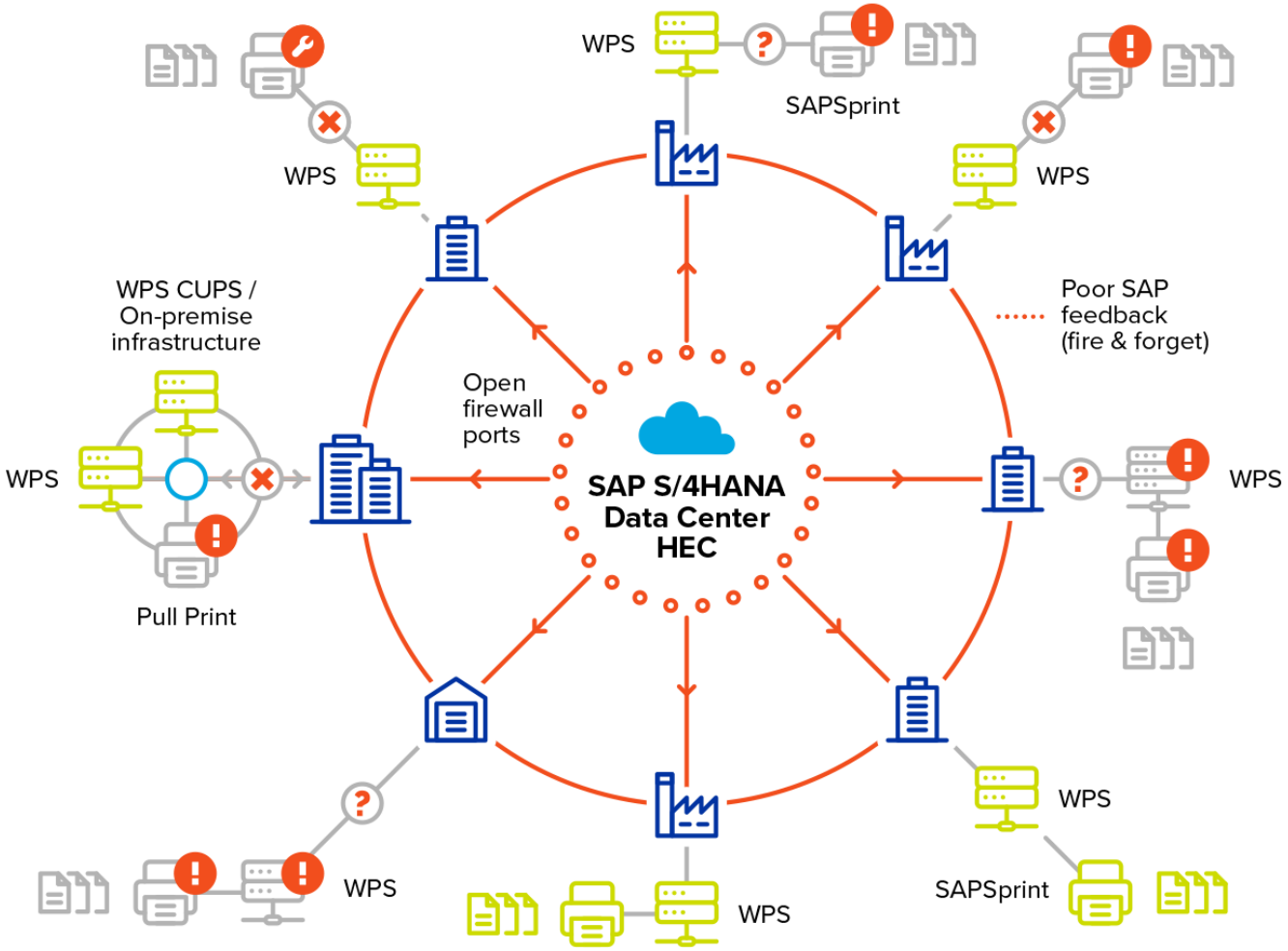
"SAP's New World"

Typical SAP Output Environment

BEFORE

Typical SAP S/4HANA Cloud for Any-Premise Deployments

- Hundreds of firewall port openings
- 50+ distributed Windows Print Servers (WPS)
- Complex change control (printer add/change/delete)
- IT infrastructure / operational complexity
- SAP print outages
- Increased TCO



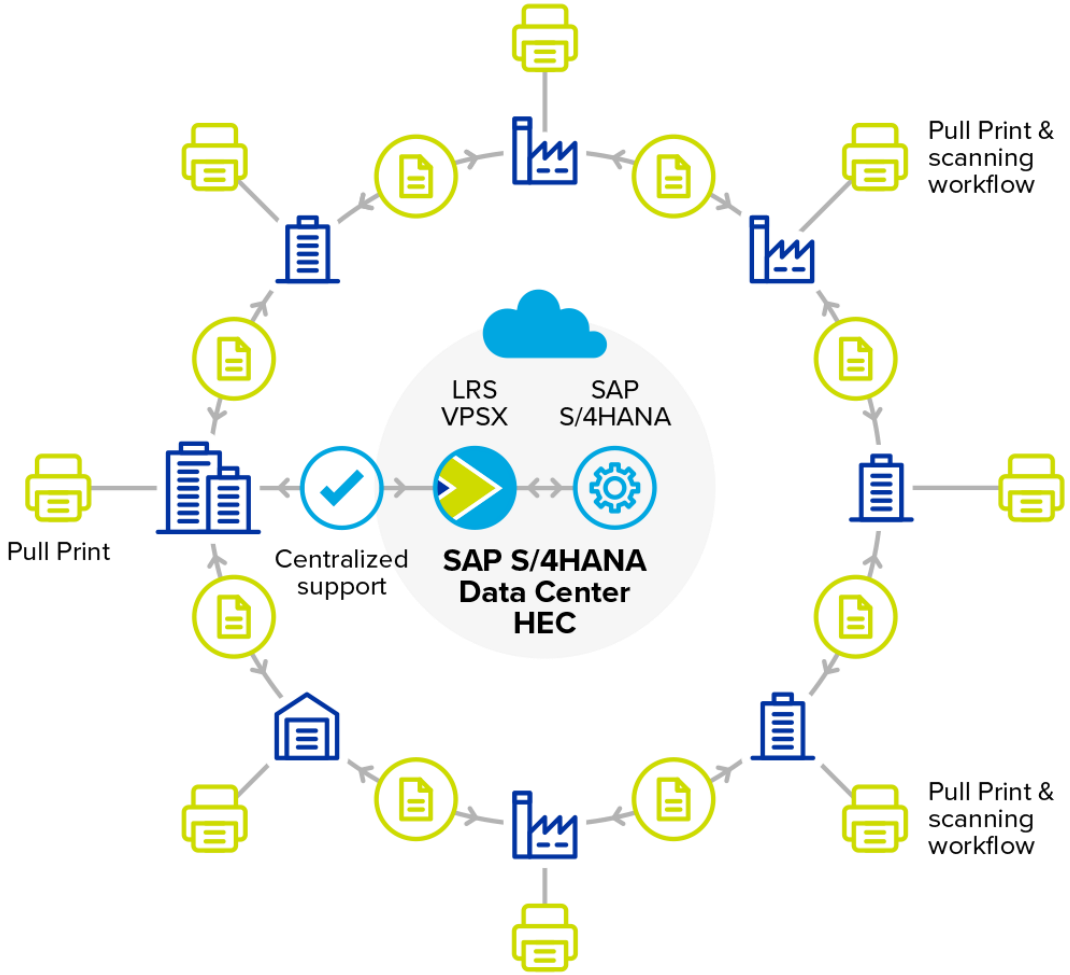
"LRS New World"

LRS Output Management for SAP

AFTER

LRS Output Management SAP S/4HANA Cloud for On - Premise Deployments

- Limited firewall port openings
- Simplified IT infrastructure (no WPS, SAPSprint or CUPS required)
- 100% SAP print availability
- Simplified migration
- SAP print feedback
- SAP approved
- Reduced TCO



"LRS New World"

What LRS Supports

- LRS Offers one solution for all locations and SAP offerings (OnPremise, Public Cloud, Private Cloud, and BTP)
- LRS solutions runs On Premise, in the Cloud or Hybrid and can be run by LRS, the IaaS provider, or the customer

	LRS
SA	
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SAP Di	
SA	ing with

The key takeaway here is that no matter what path you wish take with SAP, LRS has a solution for it and an SAP certified integration!

"LRS New World"

Key Elements for SAP Greenfield Environments

Barcode & Label Printing (Automation)

- Requires support for devices beyond regular laser printers
- Special barcode formats for Zebra, SATO, Printronix, Toshiba, & others

Data Transforms

- Offers flexibility in output formats and devices over time
- Enables new document usage without changing base SAP application

Forms

- Special formatting to help stakeholders
- Security features (watermarks, etc.)
- New SAP versions will force changes

Digital Transformation

- Scanning / imaging functions close loop on critical document workflows
- Cloud–ready solution is a key strategic capability

"LRS Legacy World"

So what technical features are related to SAP Legacy Printing - Brownfield?

- ✓ Critical Production Printing
- ✓ Device Independence of print data
- ✓ Generate Unicode Output on any laser printe
- ✓ Generate Barcodes easily on any laser print
- ✓ Transform Prescribe (Kyocera Printer Langu
- ✓ Generic device SAPGOFU
- ✓ Replace SIMMS and DIMMS
- ✓ LRS Licensed Fonts because Unix systems are NOT LICENSED for windows fonts

All Core Capabilities

Assured Print Delivery
Device Independence
LRS Data Transformations

*

"Business Benefits"

Customer Business Values

- ✓ Reduce the Total Cost of Ownership (TCO)
- ✓ Improve the service
- ✓ Prevent document delivery failures impacting business operations
- ✓ Eliminate reliance on costly and virus prone Windows print servers
- ✓ Reduce SAP Basis involvement for Printing

The three C's:

(less) COST
(more) CONTROL
(less) COMPLEXITY

"Business Benefits"

Reducing the Cost, Improving the Service

One Solution for all SAP editions, offerings and locations

- ✓ BTP Plug in
  - ✓ Internal Development
  - ✓ SAP Offerings like DMC (Digital Manufacturing Cloud)
- ✓ BC-XOM Certification
  - ✓ On Premise
  - ✓ Private Cloud - Works with RISE with SAP
- ✓ Public Cloud plug in
  - ✓ Grow with SAP
- ✓ SAP SuccessFactors ECP (Employee Central Payroll)

Key Take-away:

No matter what flavour of SAP, LRS has a solution

"Business Benefits"

Reducing the Cost, Improving the Service

Eliminate reliance on costly and virus prone Windows / CUPS print servers

- ✓ Vertical Scalability, reducing the number of servers required
- ✓ No targeted viruses

LRS Continues to have No requirement for Windows Print Servers or Common Unix Print Systems (CUPS)

"Business Benefits"

Reducing the Cost, Improving the Service

Zero involvement of SAP Basis in daily printing issues and printer definition maintenance

- ✓ Automated management of printer definitions in multiple SAP instances
- ✓ Empowerment of the Help Desk
- ✓ Streamline Forms design (Tray mapping and Finishing Options)
- ✓ According to LRS studies, this will result in a 25% reduction in SAP Basis resources

"Business Benefits"

Reducing the Cost, Improving the Service

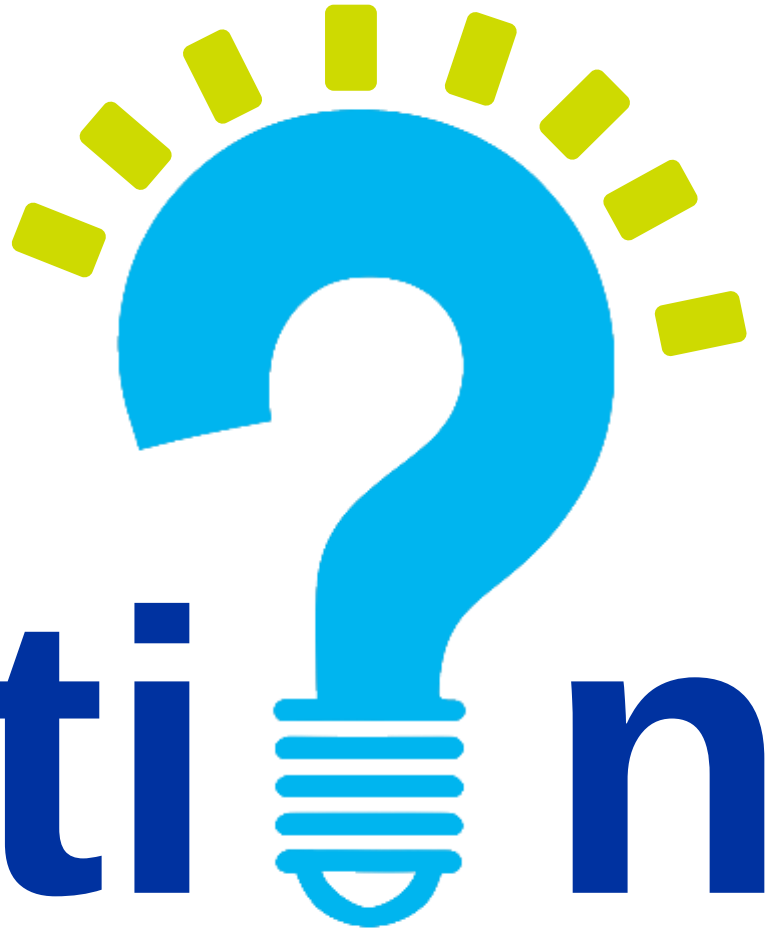
Prevent document collection and delivery failures impacting business operations

- ✓ Assured delivery of critical SAP documents
- ✓ Provide On Demand Collection of Print Jobs
- ✓ Provide Integration in Warehouse and Production Line systems

And Finally,

ENSURING PRINT PROBLEMS DO NOT BECOME BUSINESS PROBLEMS

Any Questions



LRS UK User Group

Q&A

LRS
OUTPUT MANAGEMENT

LRS UK User Group

Lunch

LRS OUTPUT MANAGEMENT