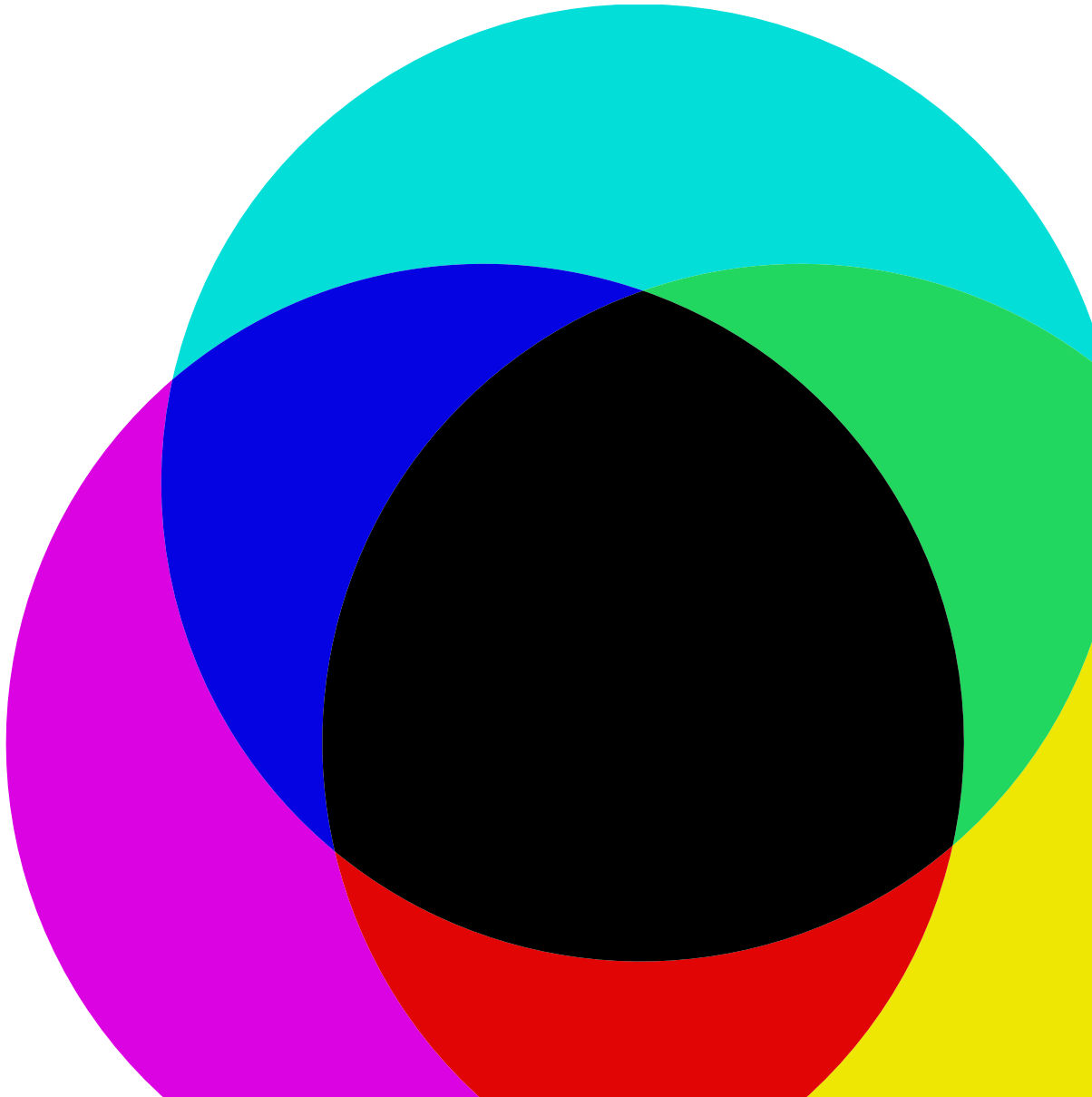
ENFOCUS

Adding PitStop Preflight to your Job Onboarding process

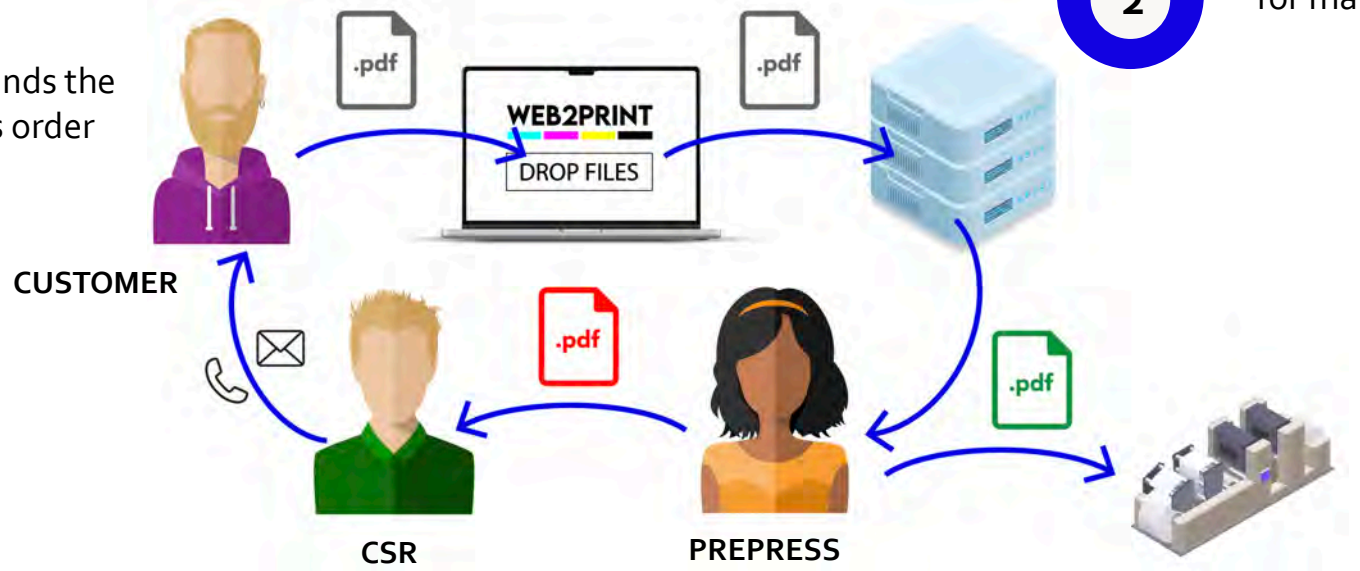


Loic Aigon
PitStop Product Manager

Angelo Manno
Global OEM & Strategic Accounts Manager

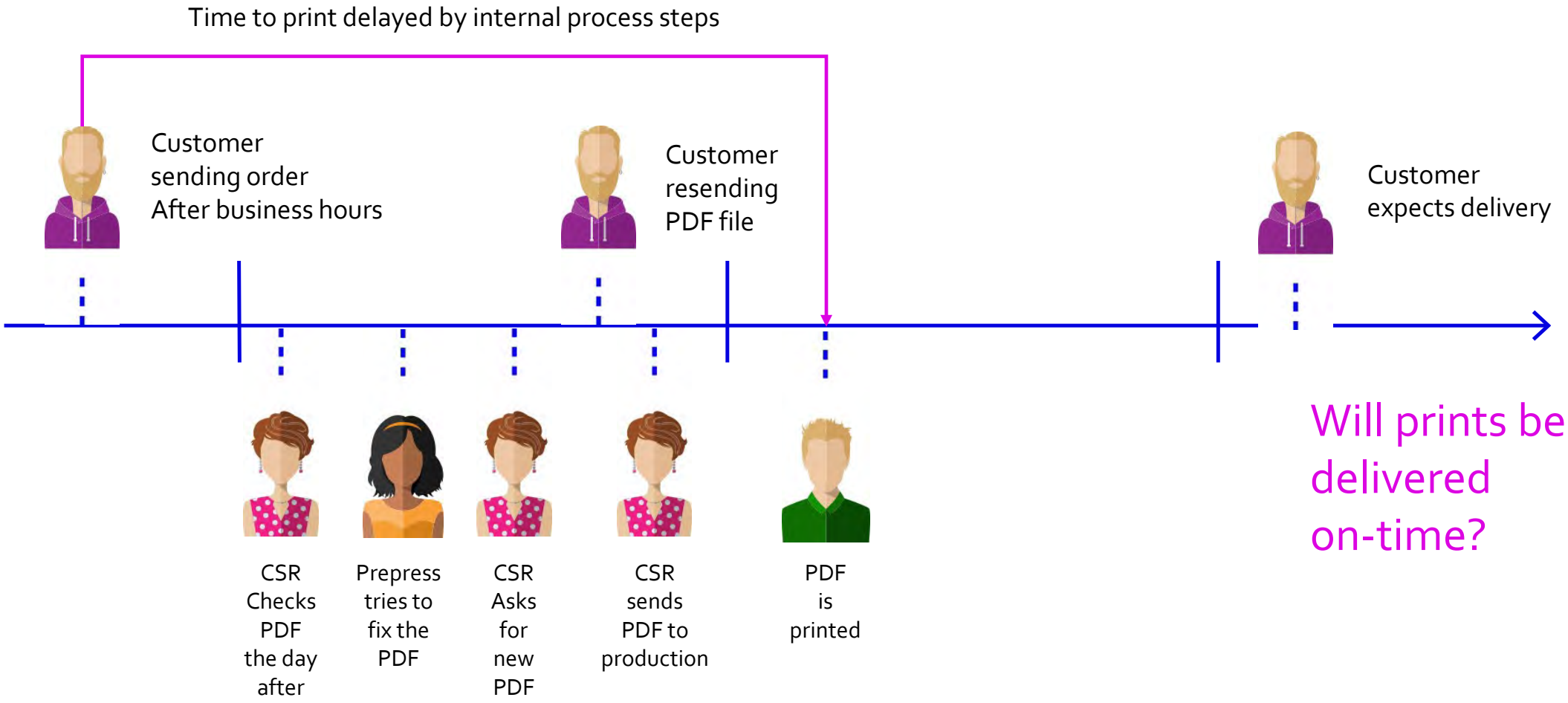
A typical job onboarding process

1. PDF is submitted through the portal
2. PDF is uploaded to a server for manual inspection
3.
   - PDF is checked by prepress
   - Best case scenario, PDF is print ready
   - Most likely, errors are found in the PDF
4. CSR needs to reach out to customer to request a new version
5. Customer resends the PDF or cancels order



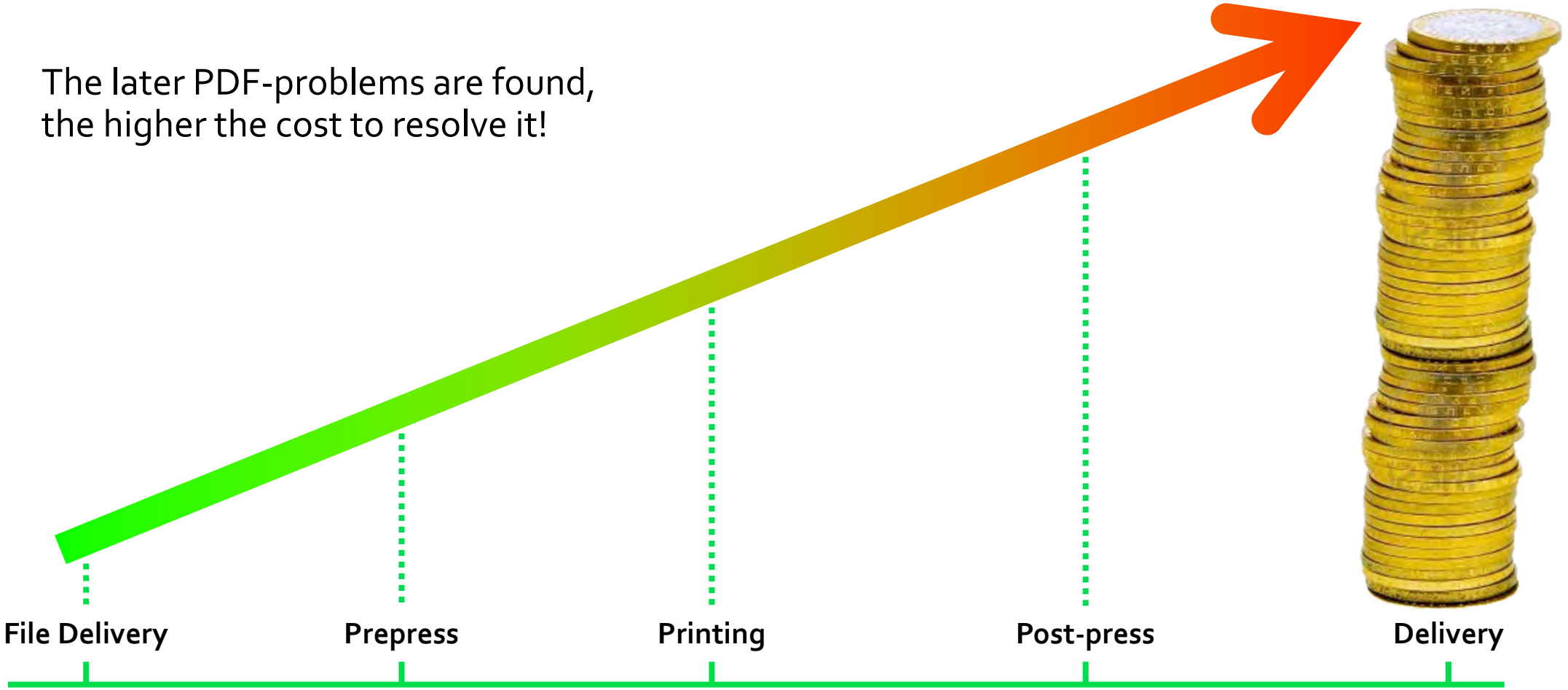
High risks for loosing precious time

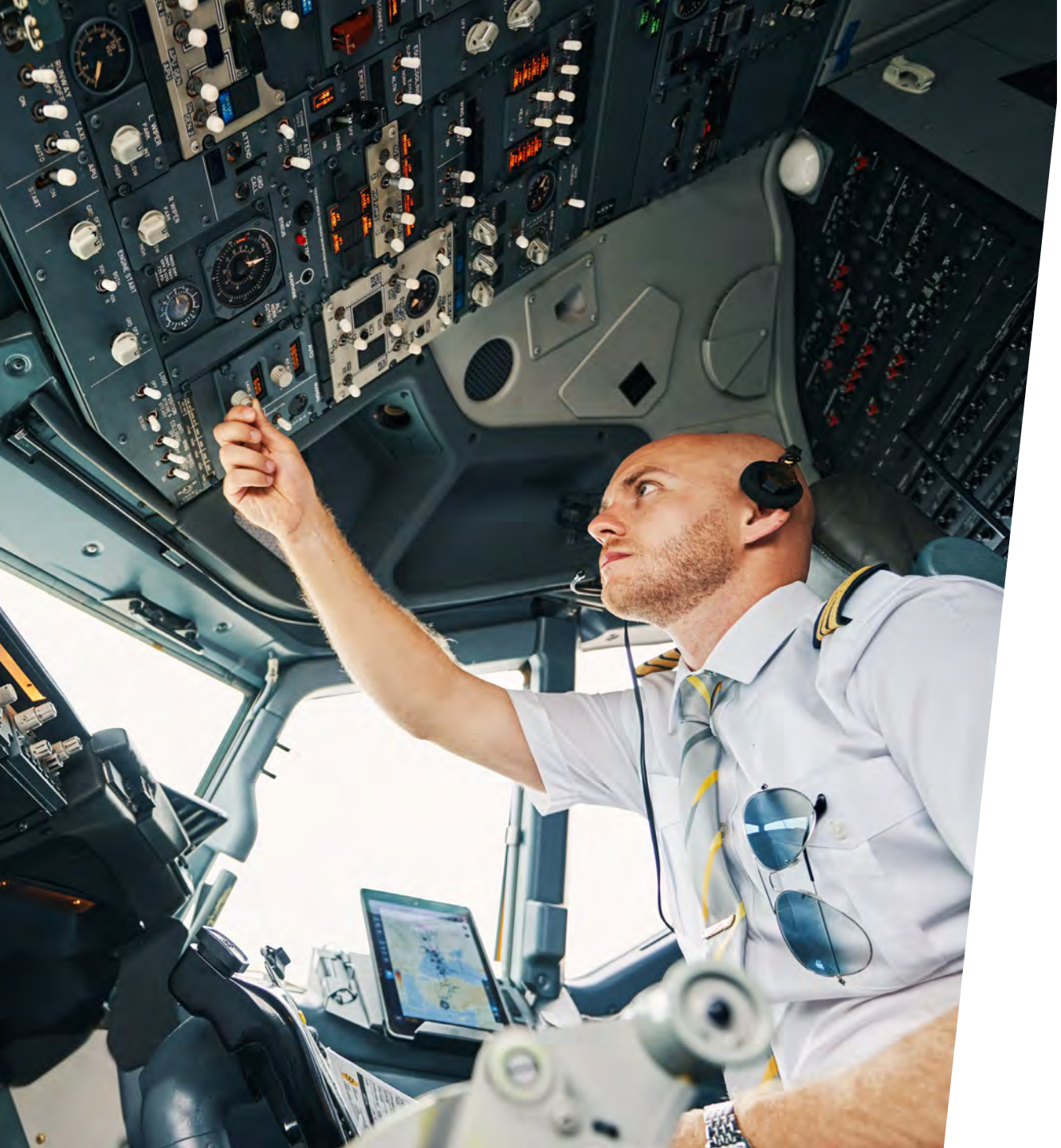
The pain-point



Costly consequences

The later PDF-problems are found,
the higher the cost to resolve it!





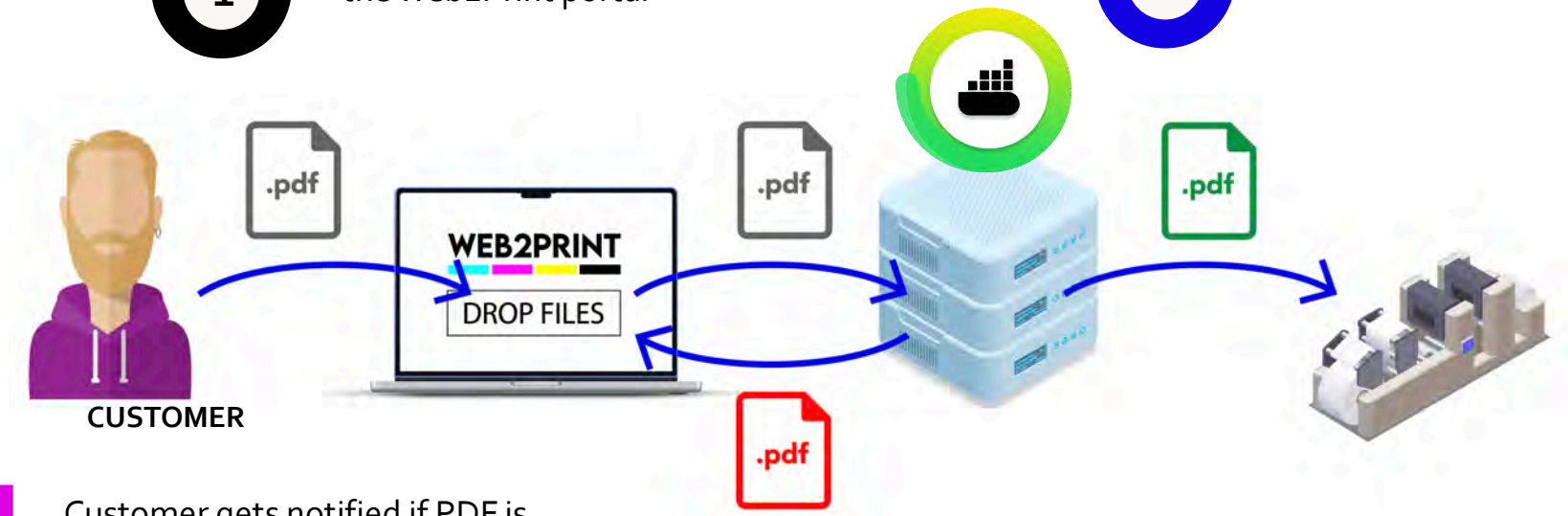
PDF Preflight for Web Portals

Checking files on submission

PITSTOP LIBRARY CONTAINER

1 PDF is submitted through the Web2Print portal

2 PDF is preflighted by PLC



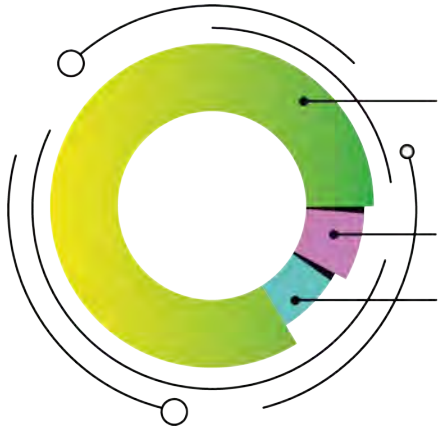
5 Customer gets notified if PDF is ok or requires changes

3
- Valid PDFs are sent to production.
- Non-valid files generate immediate feedback to customer

PitStop, a life saver for thousands of customers

PitStop, a life saver – 24/7/+25 years

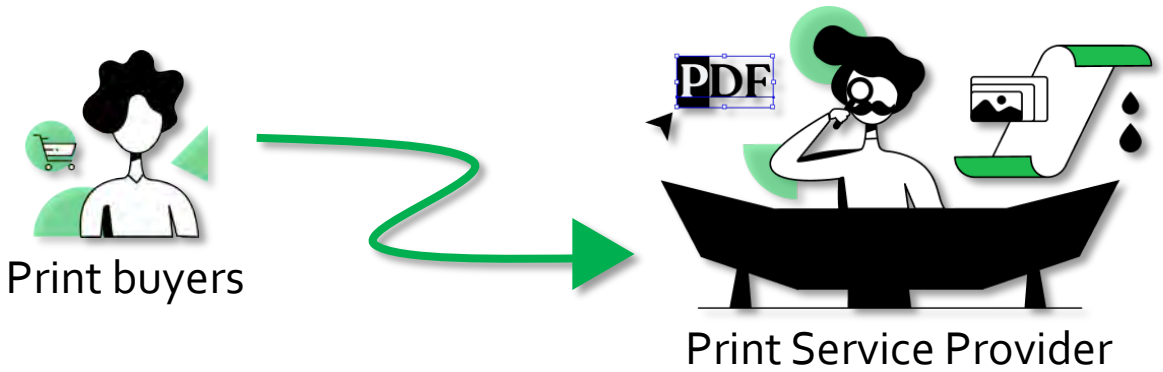
Did you know?



84% PDFs fixed by PitStop Pro, ready to print

9% PDFs received, ready to print

7% PDFs returned to print buyer

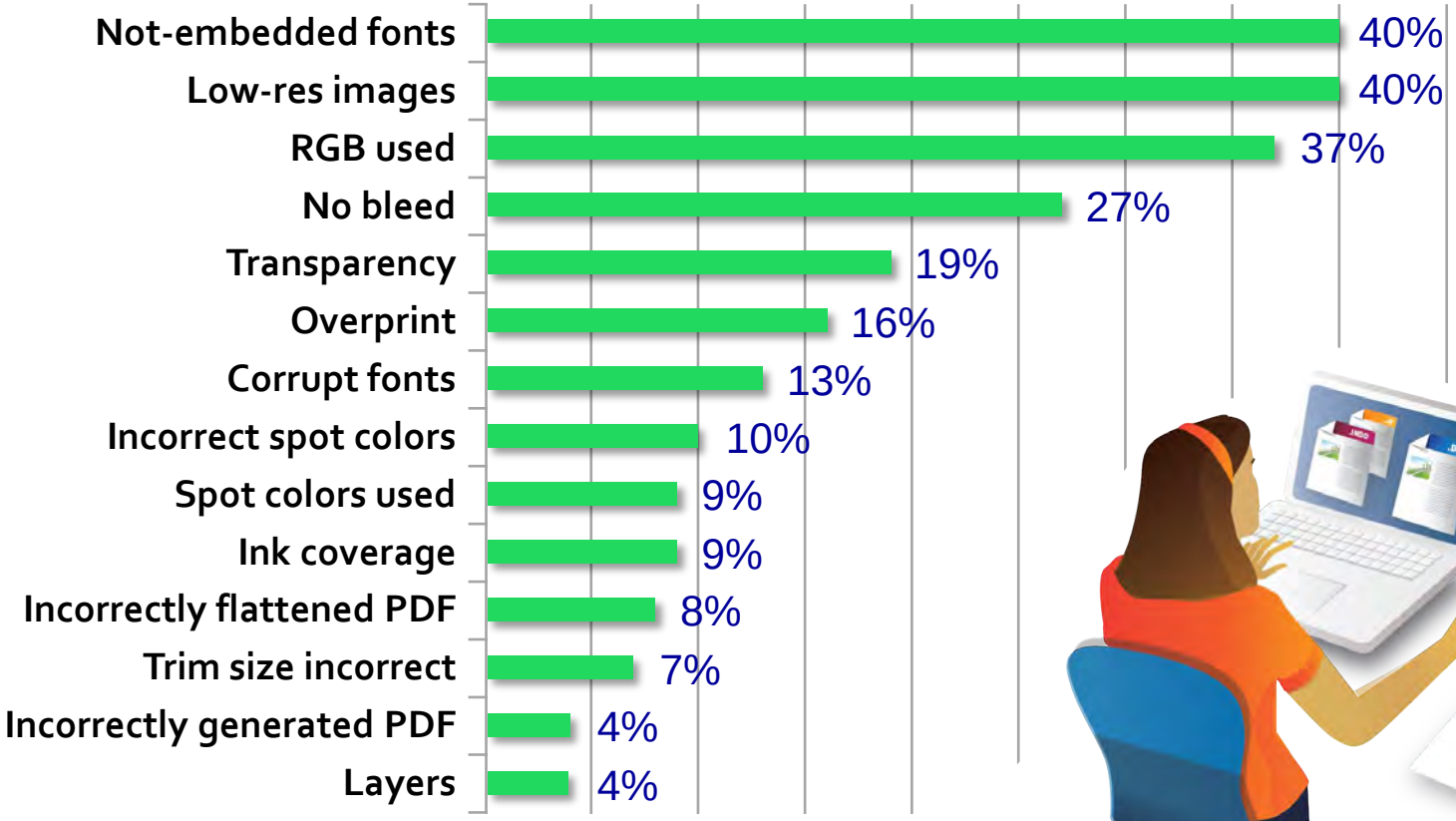


Print buyers

Print Service Provider

- Image resolution
- RGB objects
- Font issues
- Missing bleed
- Ink coverage
- Knockout and overprint
- Rich black
- Transparency

Still overcoming well known challenges



Making sure received PDFs are print-ready and will not interfere with production

Print buyers

Print Service Provider

PitStop product family

Latest addition to the family

PITSTOP PRO

Manual preflight, correction and editing

- Adobe Acrobat plug-in
- Licensed to a host computer
- Perpetual and subscription
- Installers for Mac and Windows

PITSTOP SERVER

Automated preflight and correction

- Stand-alone application
- Hot folders
- Command Line Interface (CLI)
- Tight integration with Switch
- Third-party integration using CLI
- Licensed to a host computer
- Perpetual and subscription
- Installers for Mac and Windows

PITSTOP LIBRARY

Automated preflight and correction

- Software Development Kit (SDK)
- Libraries with an ANSI C interface, header files and documentation
- Embed in own developed application
- For OEM vendors and pro-users
- Licensing is managed by OEM, agreement and/or EULA
- Various license and pricing models
- Supports Mac, Windows and Linux

PITSTOP LIBRARY CONTAINER

Automated preflight and correction

- Docker image with a Linux wrapper
- Controlled using a REST API
- Built to ease integrations with cloud-/web-based applications
- Download from AWS ECR repository
- For OEM vendors, and users with development skills
- Host computer independent license
- Subscription based
- Supports Mac, Windows and Linux

Used by +150,000 users, worldwide

Introducing the PitStop Library Container

PitStop Library Container answers needs

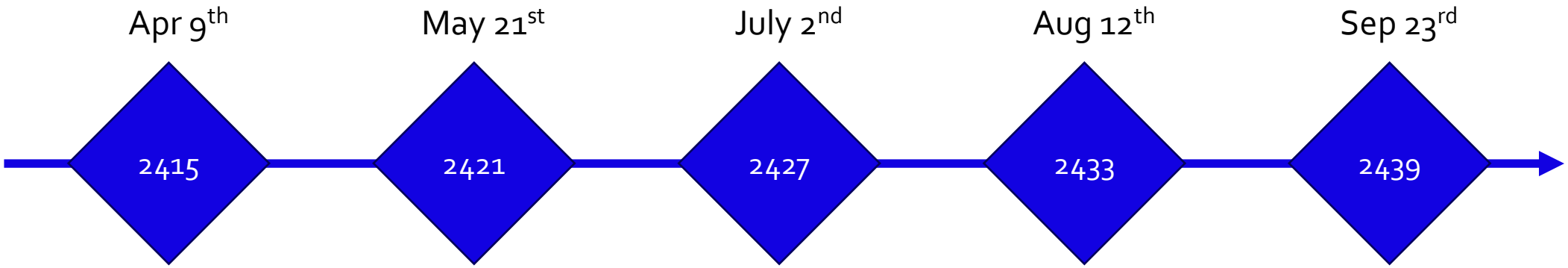
- Add preflight to web-based applications
- Intercept problems upstream
- Provide quick feedback to print buyers
- Manage production load and peaks
- Install and scale anywhere, anytime
- Carry heavy development load

Onlineshop
Welcome to our Online Store
Login | Register
Home
Accessories
Shop
Category
Collection
Wishlist
About us
Search
New Arrivals
Brand
Best Selling
Featured Collection
Top Offers
Hot Deals
My Account
Our Stores
Delivery
View All
Gift box
$14
ADD TO CART
Facial Creams
$23
ADD TO CART
Dumbbell Sets
$17
ADD TO CART
Digital Camera
$314
ADD TO CART
Coffee Cup
$3
ADD TO CART
Smartwatches
$89
ADD TO CART
Remote Control
$31
ADD TO CART
Laptop
$451
ADD TO CART

DEMO

Innovative Design

Cloud releases



Cloud releases every 6 weeks

New image posted on Amazon ECR every first Tuesday of the release week number (ex: week 15 > Apr 9th)

No automatic update (free to decide when to upgrade)

Leveraging PitStop Library

The engine for all Enfocus PDF processing solutions

Placed in a Docker image
with a REST API

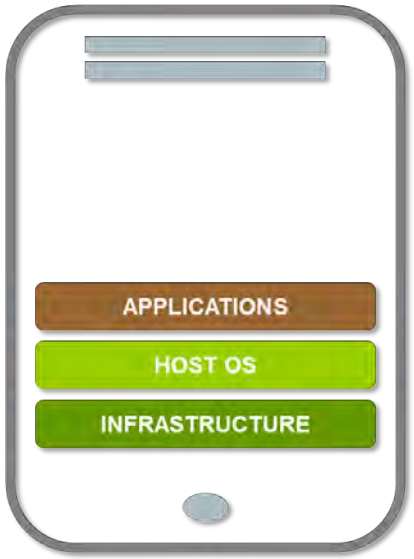
Eases integration and access,
using HTTP requests and responses

docker

www.docker.com

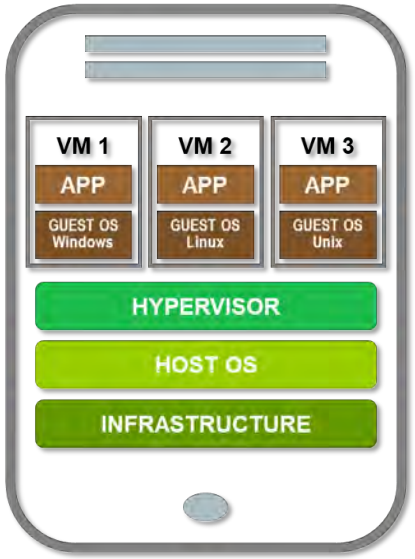
Docker container in a nutshell

PHYSICAL SERVER



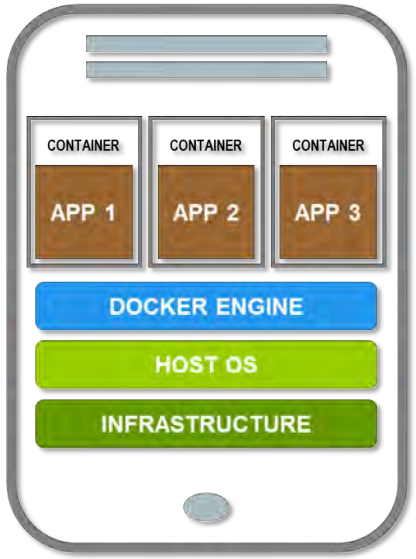
- The physical computer
- Includes motherboard, CPU, memory, network, storage, etc.
- Runs the software, including OS, libraries and applications
- Utilized for computing needs

VIRTUAL MACHINES



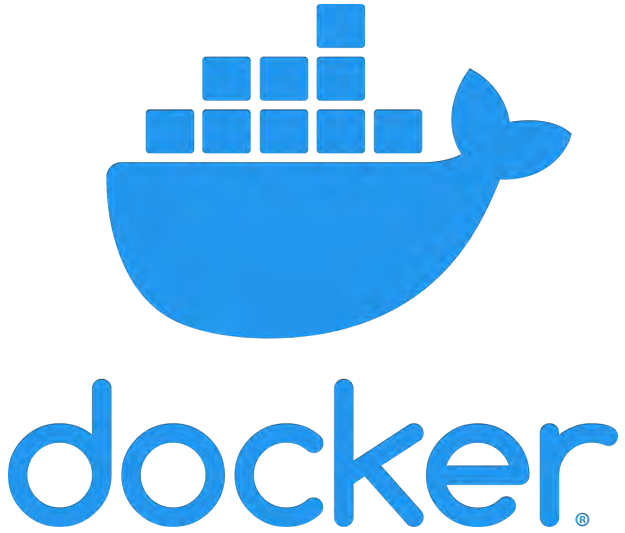
- Installed on physical computer
- Emulates a physical computer
- Hypervisor creates and runs VMs
- Runs its own programs
- Each VM require its own OS
- Needs time to boot
- Uses a lot of system resources

DOCKER CONTAINERS



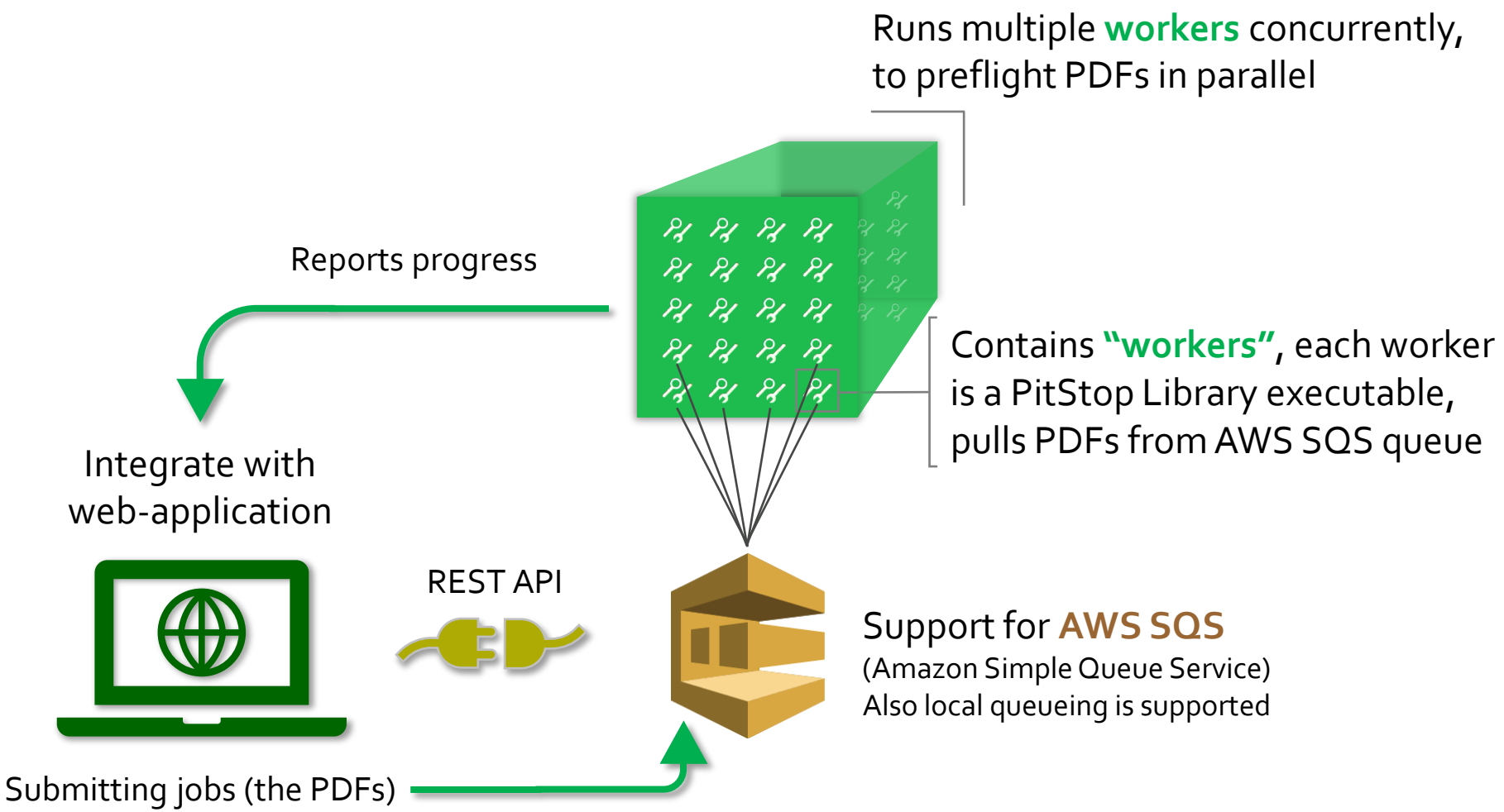
- Installed on physical computer
- Doesn't require its own OS
- Includes everything for an application to run
- Platform and OS independent
- Fast spin-up/spin-down
- The standard platform to quickly build, test, deploy, run, update and manage containers

Embracing the Docker platform

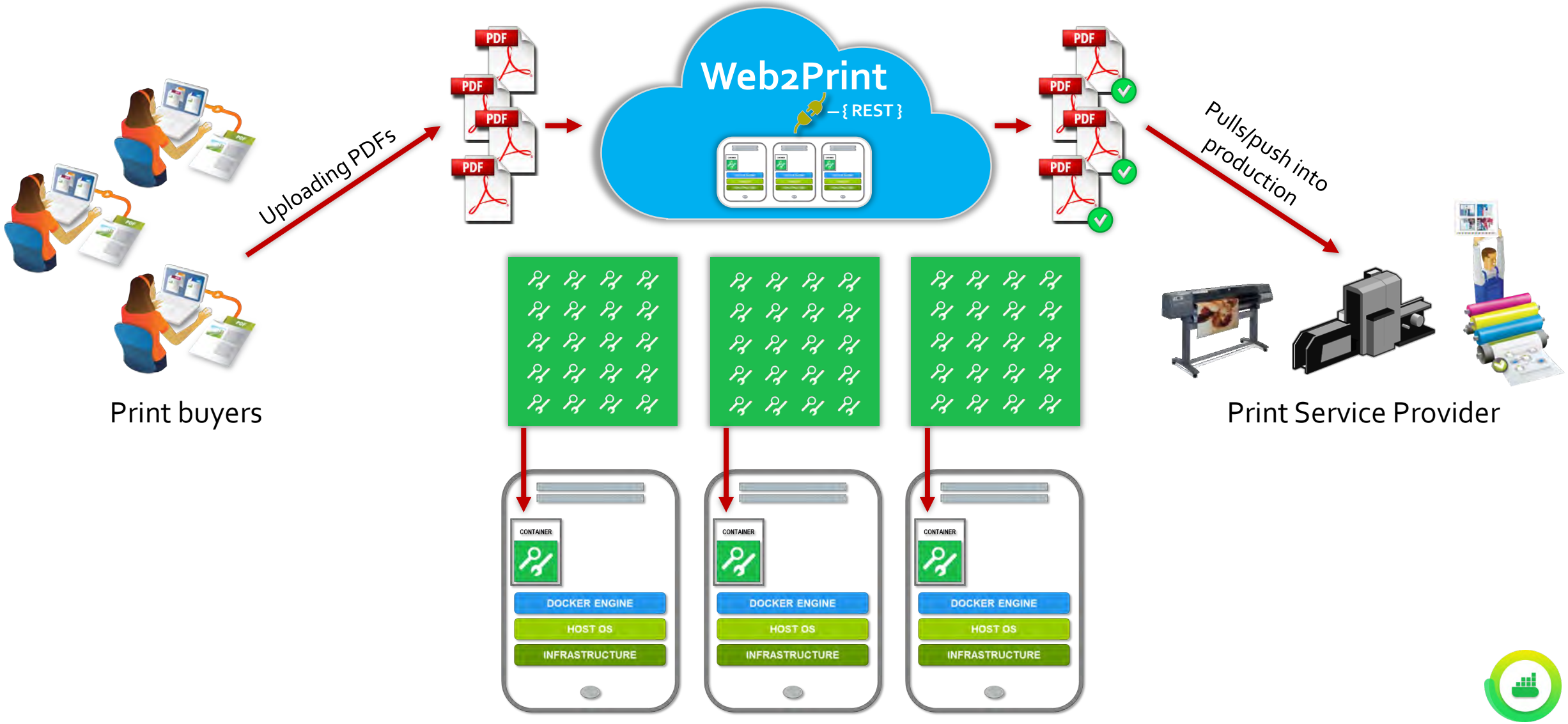


Taking full advantage of containers

A closer look at the container



Designed for the Cloud



Deploy anywhere you see fit

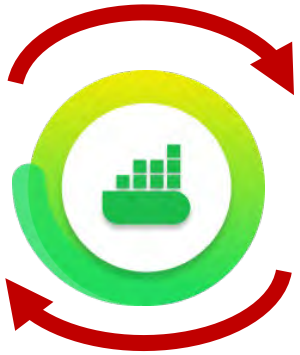
- Rely on managed services from cloud service providers
- Connected servers (cluster) provide great flexibility, scalability and redundancy
- Hardware and software resources are shared
- Cost effective

- Cloud setup or private internal network
- When business requirement prevent public cloud service to be used
- Hardware and software resources are dedicated
- Complete control by a single organization
- High security

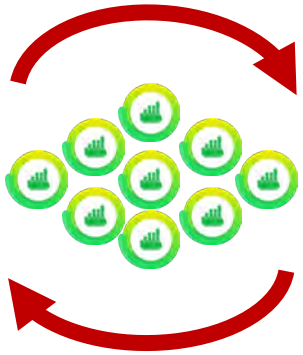
- Deploy on-premise when no cloud access is required
- One or more servers, when license permits
- Full control and security
- When adding preflight services to internal production processes

Be in control how you utilize your available resources efficiently

Start – Stop – Restart instances



Spin-up – Spin Down instances

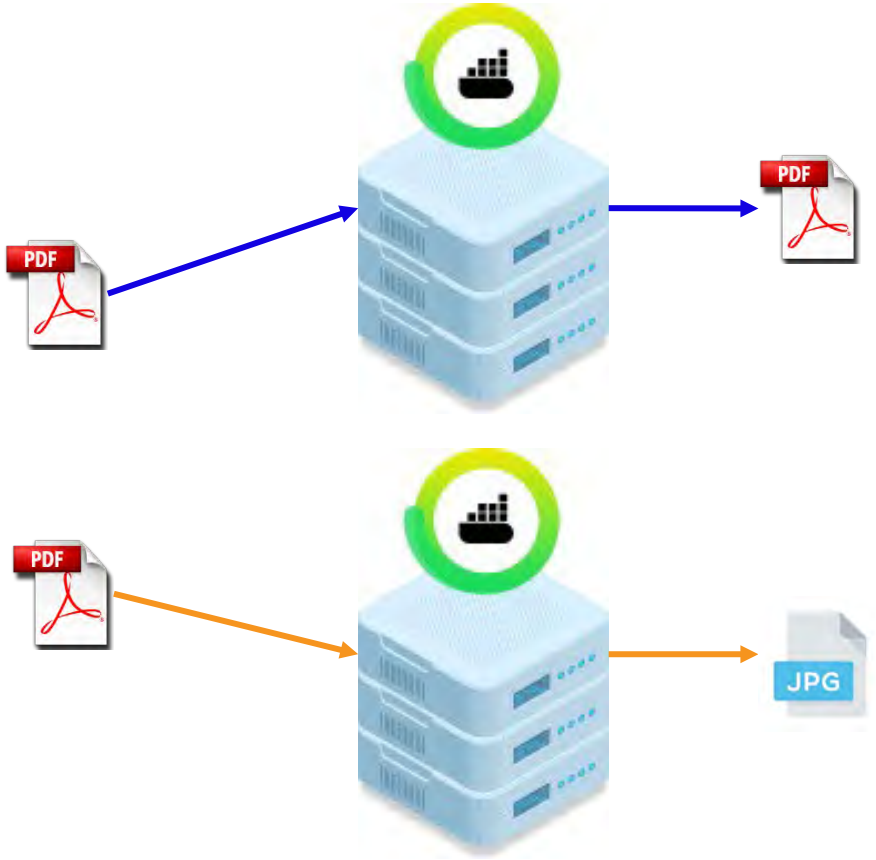


Working with the API

About processes prioritization

All endpoints (/job, /pdf2image…) are hosted on the same Docker Image

PLC with Single Instance License will process all requests with no prioritization



PLC with Multi-Instances License allows dispatching jobs per request type

Flexible Licensing

Flexible licensing

Volume based subscription

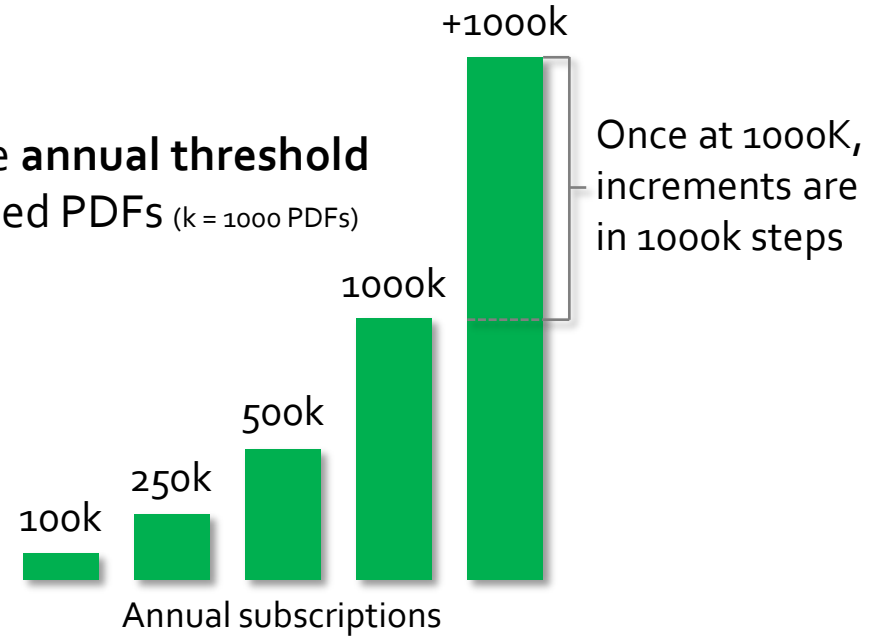
Single or Multi instance

Developer and Production

Volume upgrades

No host activation

1 Defines the **annual threshold** for processed PDFs (k = 1000 PDFs)



Notifications are sent when in reach and going over the annual threshold 2

3 Continue processing when going over the annual threshold, but immediate volume upgrade is required

No production interrupts!

Flexible licensing

Volume based subscription

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Developer and Production

Volume upgrades

No host activation

What is a transaction?

1 single process = 1 transaction

What is a process?

A file preflight = 1 process

An image generation = 1 process

Flexible licensing

Volume based subscription

Single or Multi instance

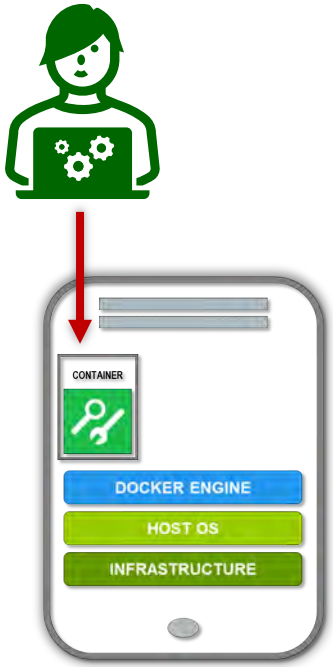
Developer and Production

Volume upgrades

No host activation

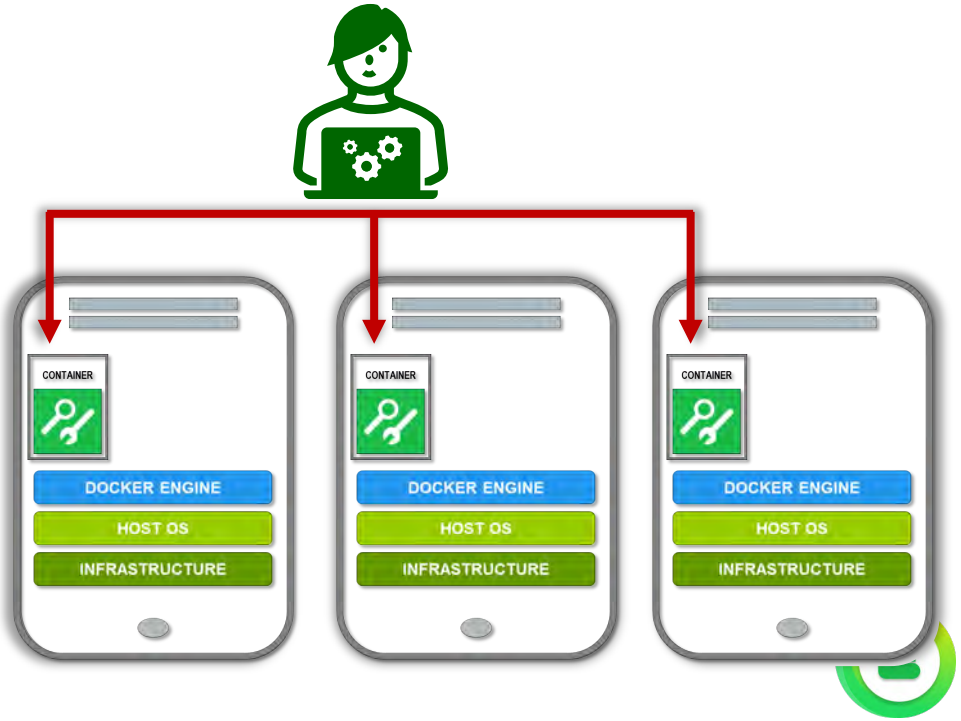
Single instance license

- Available **for 100K and 250K** licenses
- Run only one PitStop Library Container
- Process PDFs in parallel
- No load-distribution to other servers
- No fault-tolerance



Multi instance license

- Available **for 100k and up**
- Run multiple PitStop Library Containers
- Process PDFs in parallel
- Load-distribution to other servers, clusters and/or VMs
- Provides fault-tolerance
- Manage production and peak requirements
- Possible to upgrade from Single instance



Flexible licensing

Volume based subscription

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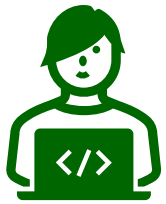
Volume upgrades

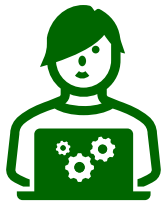
No host activation

Development versus production, obtain licenses for both



Developer license

- Isolate development from production system
- Implement, test, maintain API calls and dev code
- Test container updates
- Test preflight profiles and Action Lists
- Port to production system once tested and confirmed
- Single and Multi-instance
- Conveniently priced



Production license

- Is any of the Volume licenses
- Isolate production from development system
- Only run tested updates and implementation
- Avoid production interrupts

Flexible licensing

Volume based subscription

Single or Multi instance

Developer and Production

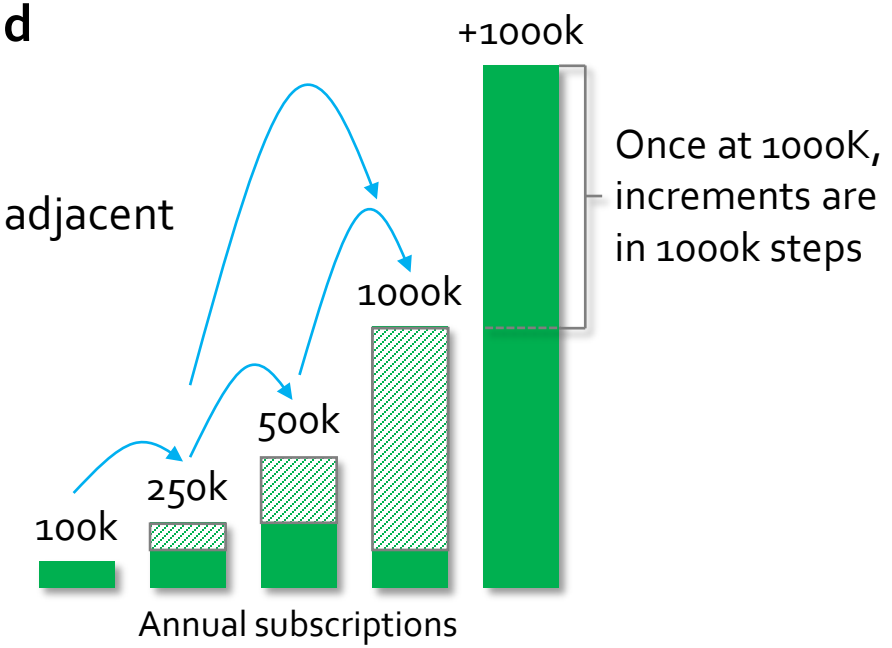
Volume upgrades

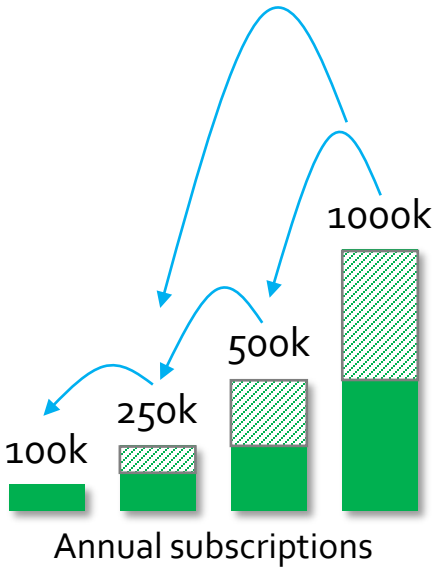
No host activation

Managing **overuse** when going over the **annual threshold**

Upgrade is immediate to adjacent or any other volume level

- Price is the difference between two licenses





Downgrade when annual threshold should be lower

- At renewal time of current license
- New Volume license is the new price

Flexible licensing

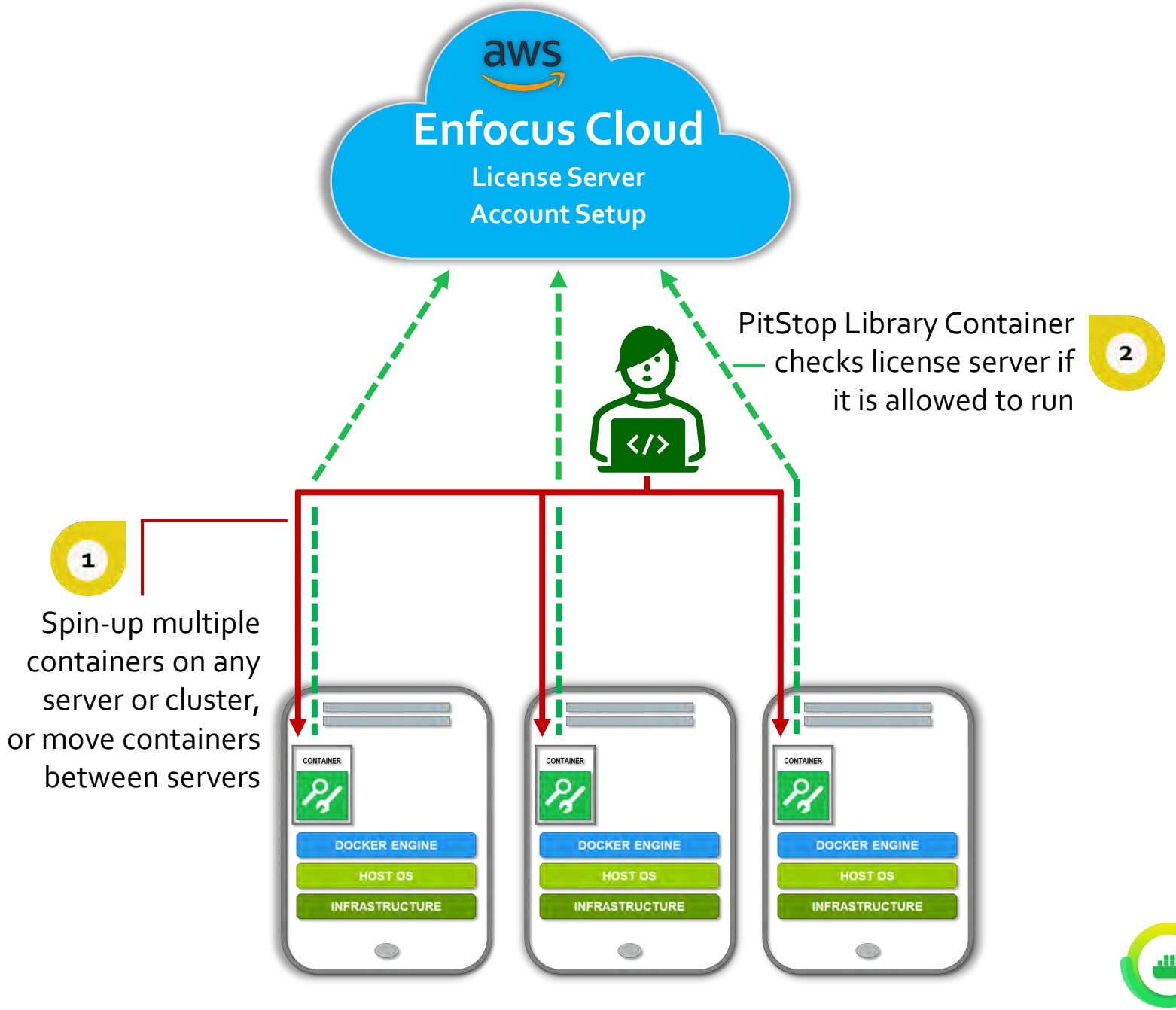
Volume based subscription

Single or Multi instance

Developer and Production

Volume upgrades

No host activation



Benefits

ENFOCUS

PitStop Library Container answers needs

- Add preflight to web-based applications
- Intercept problems upstream
- Provide quick feedback to print buyers
- Manage production load and peaks
- Install and scale anywhere, anytime
- Carry heavy development load

PitStop Library Container benefits

Add preflight to web-based applications	Future proof investment – Docker – REST API – integrate with one or multiple applications – proven
Intercept problems upstream	Assure delivery times – avoid unnecessary costs
Provide quick feedback to print buyers	Inform using reports – improve customer satisfaction
Manage production load and peaks	Fast and unrestricted spinning up/down of containers – control costs
Install and scale anywhere, anytime	Flexible – choice of platform and OS – save costs
Carry heavy development load	Reduce R&D costs – ease integration – faster time to product

What will you receive?

What will you receive?

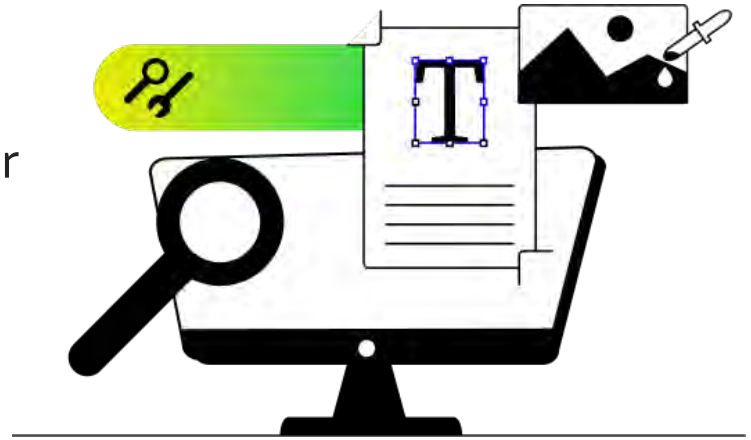
- AWS ECR credentials, to obtain the Docker image
- Installation Guide (including samples and test files)
- Swagger API documentation, embedded in container
- End User License Agreement (EULA)
- docker-compose.yml file, to run Docker containers
- POSTMAN file, to test API calls (www.postman.com)
- Equipment token, required for transaction logging
- Cloud account number, links thePitStop Library Container license to you as the user
- Download link to default preflight profiles, Action Lists and preflight report template

POSTMAN

- An API platform for building and using APIs
- Used to write functional tests, integration tests, regression tests, and more

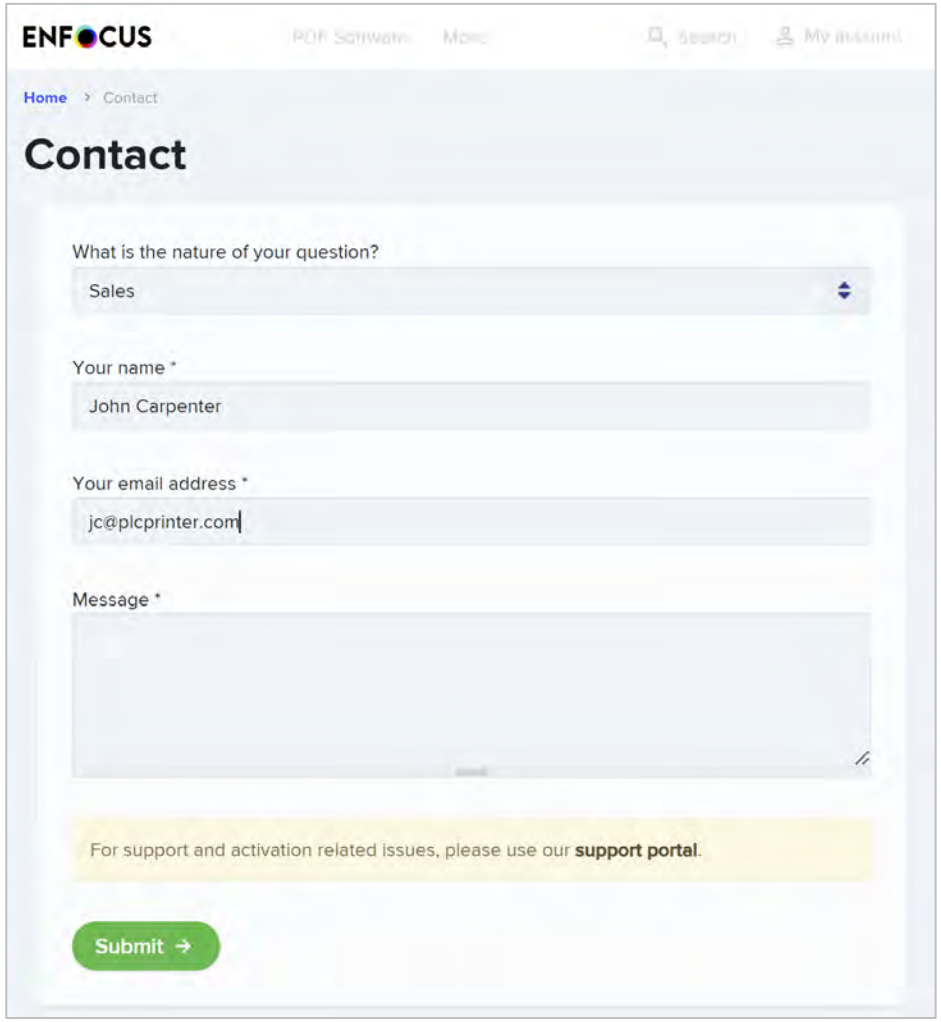
PITSTOP
PRO

Do you use PitStop Pro?



- Needed to create and modify your preflight profiles and Action Lists, used with PitStop Library Container
- Enables you to verify why a PDF file failed the PitStop Library Container preflight
- Smart Preflight using variables
- Provides extensive manual and automated editing capabilities
- Corrects typical mistakes such as printer marks and missing bleed
- Provides Certified PDF capabilities
- Provides production insights using free dashboards

Interested in more info or a trial?

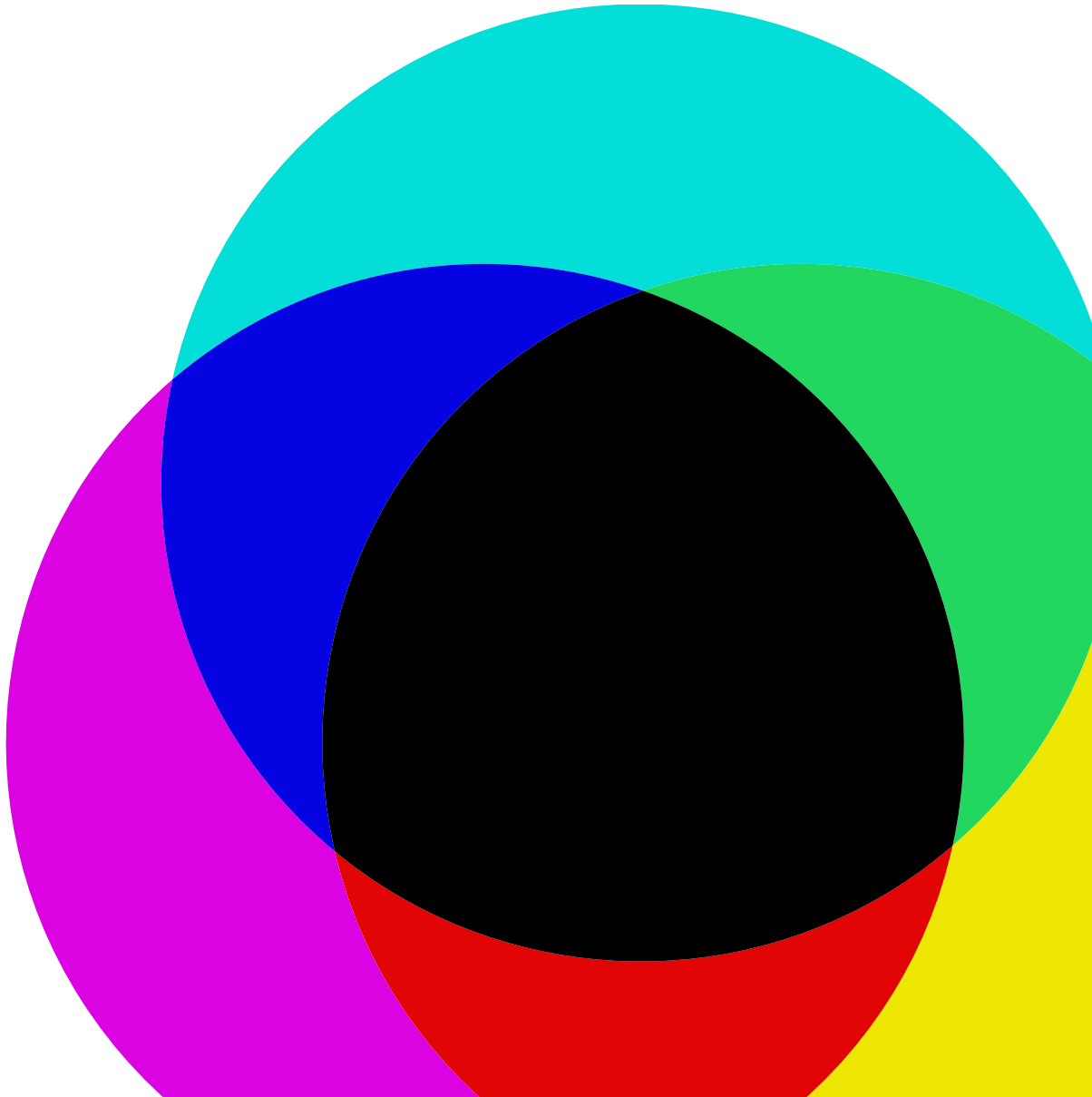


www.enfocus.com/contact

JUST ASK!

Trials available
Enjoy 30 days for testing
PitStop Library Container
in your own environment

Fill out the "Contact" form on our website

ENFOCUS

Thank you!!!