

IBM Aspera

# Faspex 5 Q4 2022









#### **Introduction & Speakers**

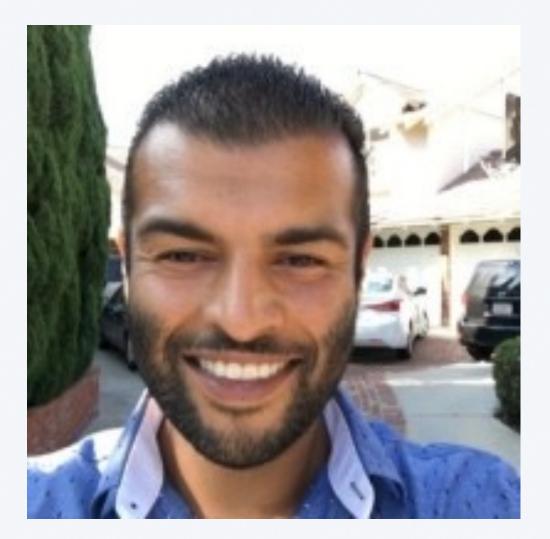
#### IBM Aspera Enterprise: Faspex 5

#### Demo & Roadmap

Faspex 4 to Faspex 5 upgrade path

Summary & Q&A





#### **Dipak Chocha**

EVP, Sales & Business **Development @PacGenesis** 

**Head of Engineering** @ IBM Aspera

## Speakers



**Stephane Blanchard** 



Anya Behn

**Product Management** @ IBM Aspera



## **PacGenesis** Overview

#### • Founded in 2012

- 2018 creation of Premier Partnership with IBM Aspera
- 2019 creation of Partnership with 5th Kind
- 2020 creation of Strategic Partnership with Irdeto
- 2021 creation of Strategic Partnership with TrendMicro
- Global Operations
  - North American Headquarters in Austin, Texas
  - European Headquarters in Glasgow, Scotland
- 320+ Global Customers in all Vertical Mark
- Growing team with expertise in all aspects digital content workflows, cloud computir networking, security and DevOps

## ► Pac Genesis

	IBM Aspera		≫ 5THKIND	\land aspera orchestrator	IBM <b>Aspera</b>	ir.deta
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## **Markets Served**





Federal Government





**Enterprise IT** 



**Cloud Computing** 



Engineering & Manufacturing



Software & Gaming



Advertising & Publishing



Consumer Products & Retail



Architecture & Design



Financial Services



Legal eDiscovery





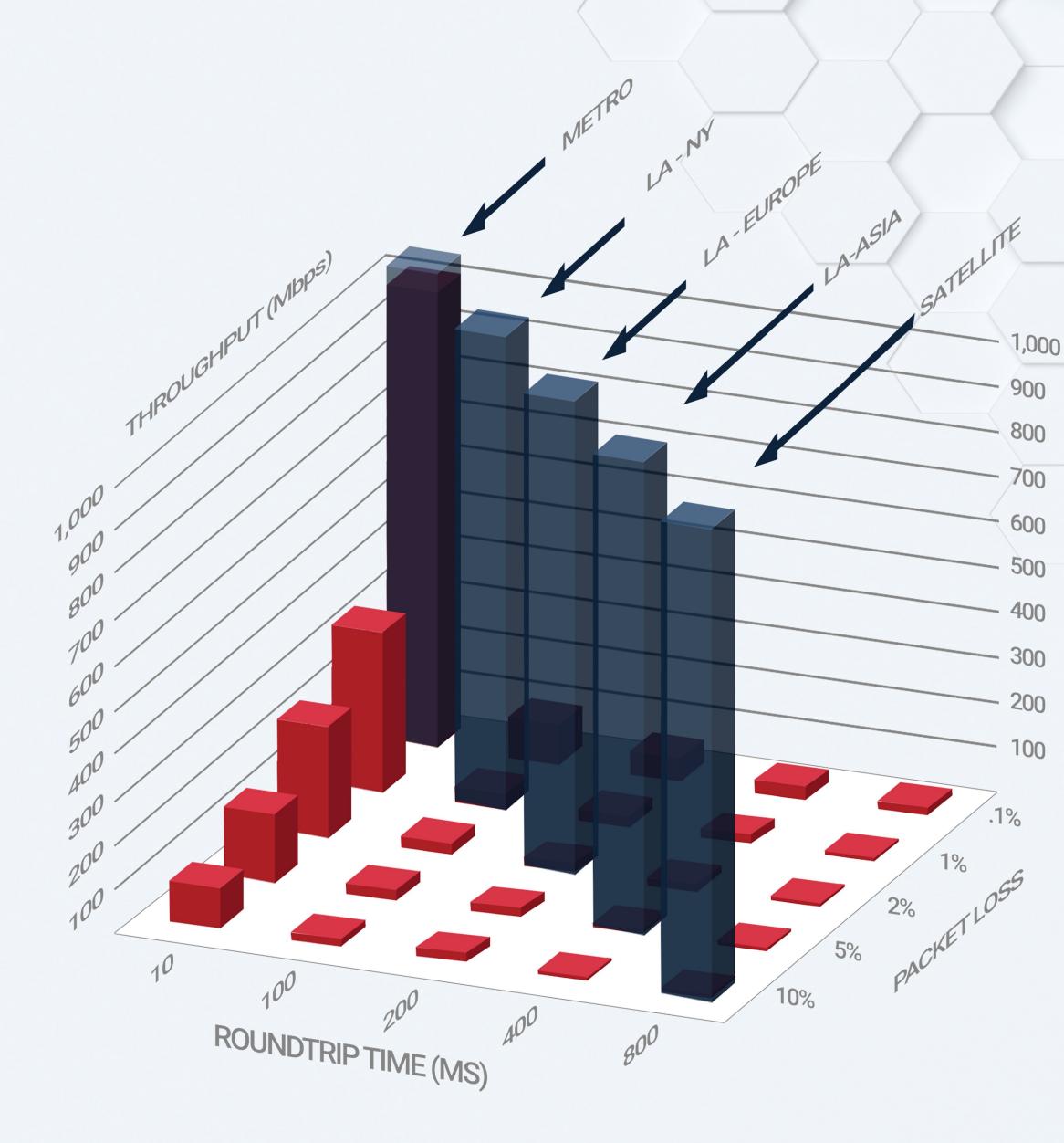
## V Pac Genesis

## **SIBMASpera**

**IBM Aspera Overview** 







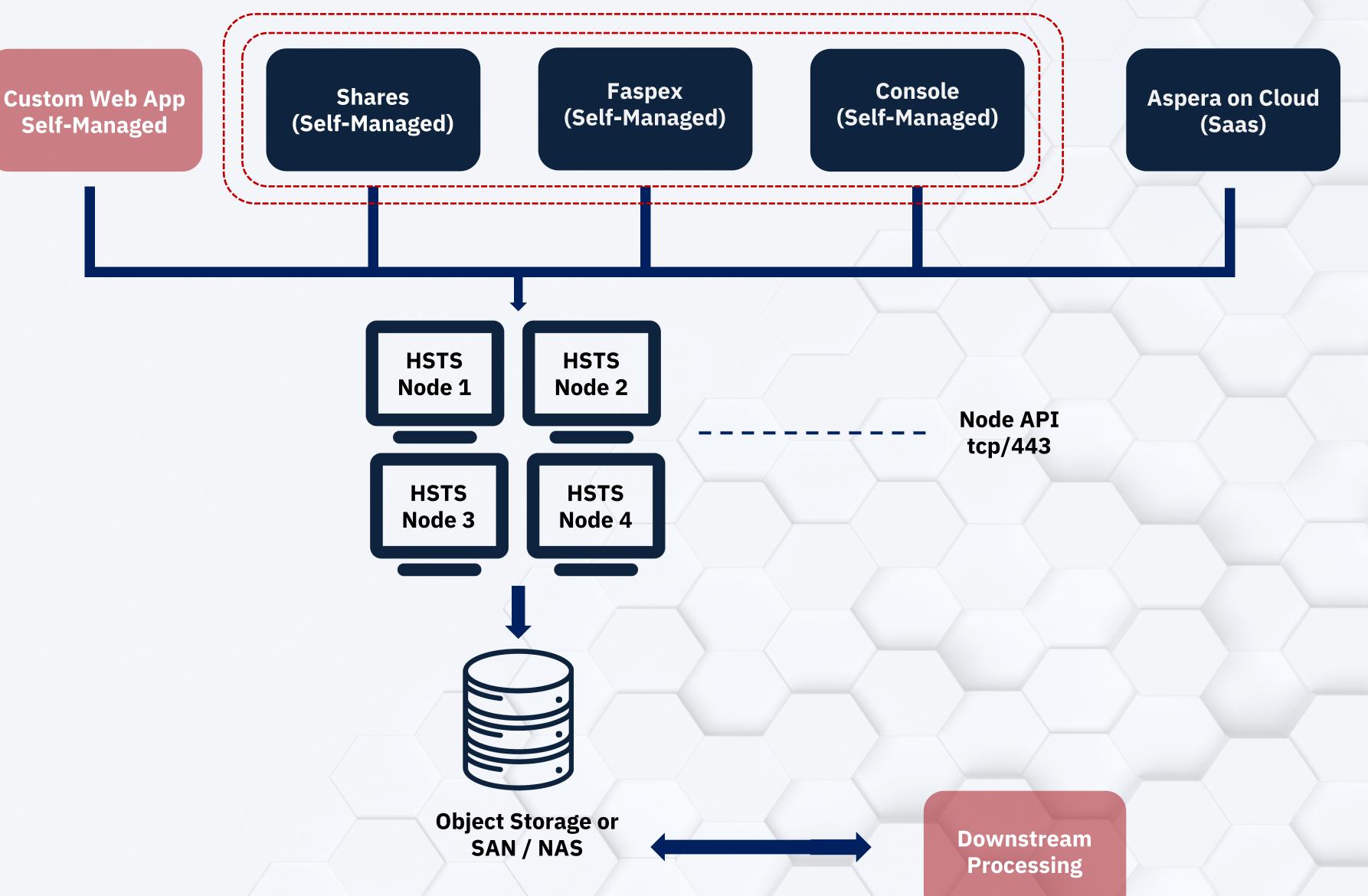
Note: The relative bandwidth utilization for FASP transfers over a 1 Gbps network are immune to latency (distance) with very little effect from packet loss.

## FASP<sup>®</sup> - High-Performance Data Transport

- Maximum transfer speed
- Congestion avoidance and policy control
- Uncompromising security and reliability
- Scalable management, monitoring and control



## IBM Aspera Web Applications Suite Overview





## V Pac Genesis

### IBM Aspera Enterprise: WebApps Suite Faspex 5

## **SIBM Aspera**





Faspex file-exchange and management features include:

 Send a package to a list of recipients, distribution lists, workgroups or a shared inbox. A Faspex account is not required for someone receive a package.

 Forward packages on the server to other users without re-uploading files and folders.

 Manage user permissions through membership in workgroups and shared inboxes, or by direct configuration.

 Create customizable email notifications for Faspex events (such as receiving a package).

Import members from your SAML providers.

## **∀Pac**Genesis

All packages	Sent packages Full hi				
My packages		story			All activity V All status V
BetaSI					Transfer     Uploading     via IBM Aspera HTTP Gateway     via CMTP Light Compared
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	10 files for our new project	BetaSI	3/1/22 10:58 PM	500 MB 10 files	
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	http-gateway post upgrade	Me	2/26/22 12:25 PM	334 KB 19 files	
	Post upgrade to 4875	Me	2/26/22 12:25 PM	500 MB 1 file	



## IBM Aspera Enterprise: Faspex 5 Roadmap

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	http-gateway post upgrade	Ме	<b>2/26/22</b> 12:25 PM	<b>334 KB</b> 19 files	
	Post upgrade to 4875	Ме	<b>2/26/22</b> 12:25 PM	500 MB 1 file	
	Items per page 10 $\checkmark$ 1-10 of	67 items			
				Force to use Aspera HTTP g	gateway



#### **Delivered**

- Packages (Faspex 5) and Admin
- **Simplified navigation** harmonized with Aspera on Cloud and new IBM Aspera mobile app with Carbon X UI.
- Improved integration with HTTP-Gateway: allows multiple simultaneous (background) file transfers.
- REST APIs now available for all features for easy app integrations.
- OpenAPI standard (aka swagger), completely API-driven UI. https://faspex.example.com/aspera/faspex/api/
- Fully containerized architecture enabling deployments on-premise and on cloud on Linux. **Docker & Podman** containers
- Supporting CentOS 7, RHEL 7/8

#### <u>Upcoming</u>

- File Post Processing
- Amazon Linux 2
- Potentially automatic upgrades
- Shares aka Files functionality
- Console functionality



## Why IBM Aspera Enterprise Faspex 5?

#### One Seamless User & Admin Experience

#### **IBM Aspera Enterprise** Faspex 5

IBM Aspera Packages					2 transferring 🗘 III 🕐 🛞
Send files 🛛 🏱	Sent packages				Transfer activity :
Received ^ All packages My packages	Sent packages Ful	l history			All activity V All status V
BetaSI Sent Pending	Title	<b>Recipients</b> Me	<b>Sent</b> 3/1/22	Size 1 GB	Uploading via IBM Aspera HTTP Gateway 20.6 Mbps   173.0 MB / 1.0 GB b90c8493f5364e32ac48a5de5c116fcb.dat
Manage shared inboxes	10 files for our new project	BetaSI	10:59 PM 3/1/22 10:58 PM	1 file 500 MB 10 files	Cancel
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	test 2-leg 2n2 Completed	BetaSI	2/26/22 12:36 PM	10 MB 1 file	
	http-gateway post upgrade	Me	2/26/22 12:25 PM 2/26/22	334 KB 19 files 500 MB	
	□ Post upgrade to 4875 Items per page 10 ∨ 1-10 of	Me 67 items	2/20/22 12:25 PM	1 file	Force to use Aspera HTTP gateway



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IBM Aspera on Cloud	Packages		
(Show 2020			Sen
Send files	⊳		
Inboxes			
All inboxes			
My inbox DemoTeam (2)			
Sent			
Drafts			
Archived			
Deleted/Expired			
Manage shared inboxes			

#### **Security Enhancements**

Zero Trust security framework with our modern software stack and best practices.

#### Dark and light mode

Set the user experience in either light or dark mode

#### **Transfer Activity window**

Improved user experience for viewing and managing concurrent transfer sessions.

The transfer activity window allows for browsing and working during file transfers.

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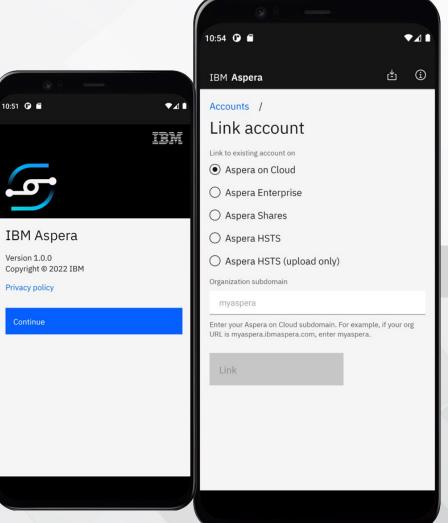
**IBM Aspera** 

#### IBM Aspera on Cloud

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i .		Transfer activity
		All activity V All status V
		⊥ Change download location ×
Name	То	Size
Show Material Uploading 80% (203.0 MB / 250.9 MB)	DemoTeam	251 MB 4 4 5 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4
NAB Content	DemoTeam	100 MB 2 files
		ETA 17s Cancel Pause
		X Uploading NAB Content Uploaded 100 MB, 2 files

#### **Fast & Responsive**

Greatly improved responsiveness and browsing experience throughout the entire user interface.



#### Mobile support

Initiate transfers from anywhere. Transfer files to and from your mobile device with our hybrid mobile application on smartphones and tablets for Android and iOS.



## Feature Parity in Faspex v4 to v5 & Breaking Changes

### Faspex 4

Usernames could be arbitrary

User passwords can be set by an administrator

Directory services/LDAP direct integration

Local HSTS node configured with localhost or 127.0.0.1

Rake tasks for administrative tasks

Aspera HSTS v4.x supported

Sending packages to a workgroup or dropbox prepends an asterisk (\*)

Post processing script support

#### Faspex v.4.x supportability

Faspex v.4 will be moved to End of Support on September 30<sup>th</sup>, 2023 – customers must upgrade to Faspex 5.x which is available via a license upgrade to IBM Aspera Enterprise.. Faspex v.5.x will not be supported on Windows.

### Faspex 5

Users log in with their email address

Users reset their own password, admin can force reset

Local user accounts or directory support via SAML for SSO and API

All HSTS nodes added by public/private IP address

New standard & modern APIs

HSTS v4.3+ supported, with activity logging enabled

Workgroups and Shared Inboxes are labeled

Coming soon: webhook-based post-processing







- Log in Experience •
- Package app overview and transfer • experience
- Send & Receive workflow •
- Shared Inboxes Metadata and • Relays
- Administration & Security •
- Server Health and Monitoring •
- Post Processing

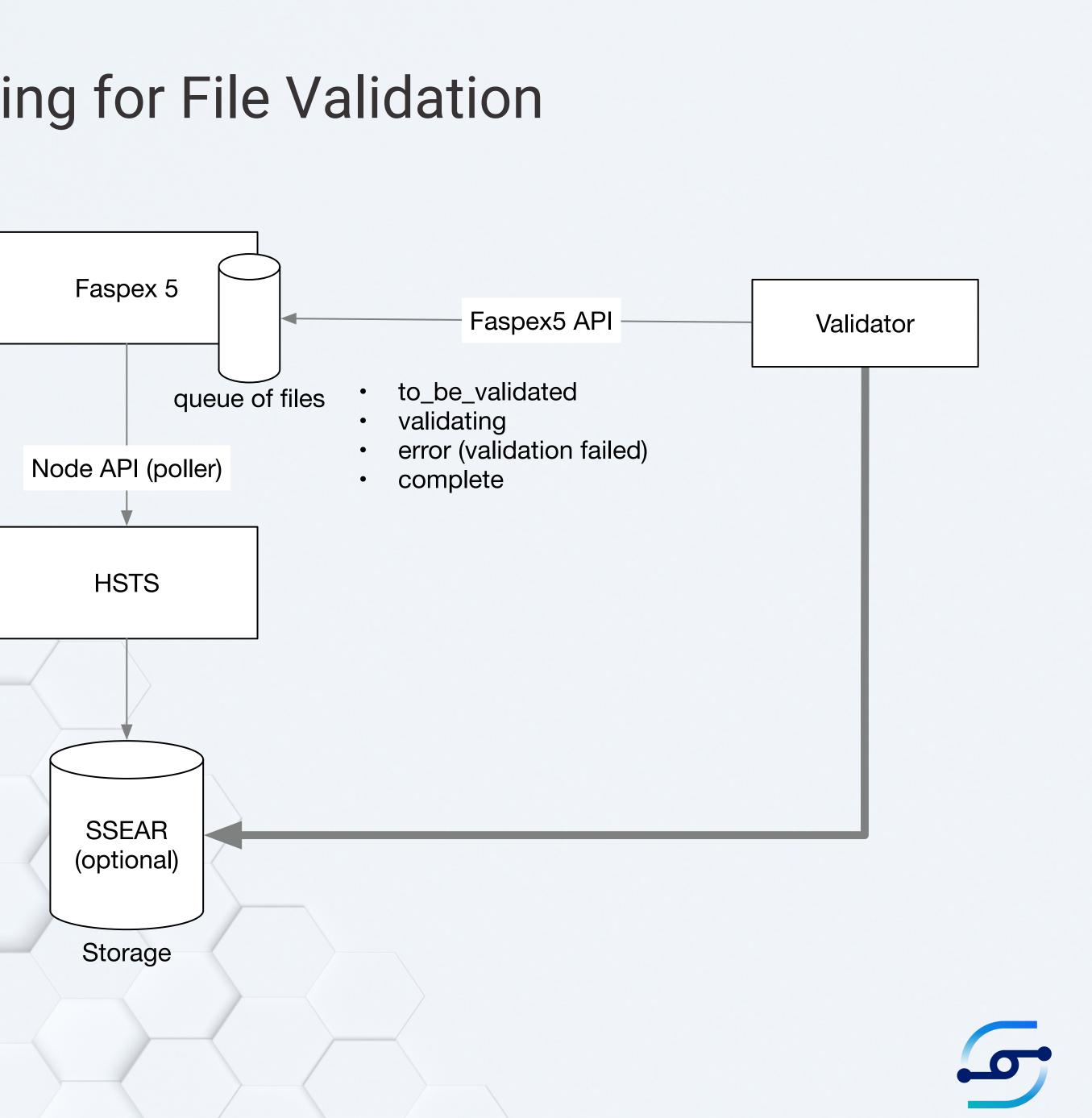
## JBM Aspera

## **Live Demo**



## Faspex with Blocking Post Processing for File Validation

web				
browser	httpp			
	https			
		HTTP- Gateway		
			fasp	
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ascp		fasp		
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## **IBM Aspera Web Applications** Roadmap and Releases (Subject to change)

Del	ivered
	IV CICU

#### Next 90 Days

#### **Faspex 5 Release (Packages, Admin)**

- Completely API Driven (with new Open **API standard) for easy app integrations**
- Modern, simplified navigation harmonized with Aspera on Cloud and new IBM Aspera mobile app with IBM's Carbon X Design system
- Fully Containerized architecture enabling onOpremise and on cloud deployments on Linux
- New Authentication mechanisms (OAuth2 and JWT) and REST APIs
- SAML/SSO integration
- Support external users
- User/Group management
- Email notifications
- Simultaneous file transfers (background) with HTTP Gateway

- Faspex 5.0.4 release with post processing support (non-blocking webhooks)
- Amazon Linux 2 support
- Podman support
- User-defined key for API client with **JWT** auth

Medium Term	Long Term
Faspex 5.0.5 release with post processing support (blocking package processing)	Console (limited) functionality into WebApps Platform
Improved password management	Authorization & Security (container) enhancements
Advanced configurations in UI	>HTTP Gateway fallback
Rake task replacements	≻Automatic upgrades
Time zone support	
Adding Shares/Files functionality	



## Helpful References for upgrading to IBM Aspera Faspex 5

- RFA announcement for IBM Aspera Faspex 4.x EOS
- Upgrading from IBM Aspera Faspex 4
- <u>Differences and breaking changes</u>
- IBM Aspera Faspex 5 API Guide
- IBM Aspera Faspex 5 API vs previous API versions
- IBM Aspera Faspex 5 Documentation

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Please submit questions into the Q&A or **Comments Field on Zoom** 









## **∀Pac**Genesis

## PacGenesis @ AWS re:Invent 2022 Nov. 28<sup>th</sup> – Nov 30<sup>th</sup>, 2022

We will be showcasing latest offerings and updates across our major partners:

- IBM Aspera
- Trend Micro
  - Irdeto

Schedule some time to meet with us while you are at the show! Email <u>sales@pacgenesis.com</u> or speak with your account rep.

https://pacgenesis.com/awsreinvent/



## Please Reach out for Questions or Follow-up

Email: sales@pacgenesis.com

www.pacgenesis.com

# PacGenesis



### Checklist & Requirements for Upgrading from Faspex 4.x to Faspex 5.x

- Do not proceed with Faspex 5 upgrade until you can check all the boxes.
- Server My server version is one of the options listed or I can upgrade my server to listed versions
  - CentOS/RHEL 7/RHEL 8 CentOS with Docker or with Podman. •
- Node



IBM Aspera Connect 4.0 and later

#### Product

- LDAP users to be migrated to SAML
- Faspex.yml configs are deprecated, some available in UI soon.
- OTVF, Post processing coming soon

I can upgrade all the connected HSTS node to version 4.3 or later. Activity logging must be enabled on HSTS node

