



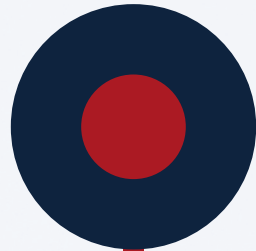
# IBM Aspera Enterprise: Faspex 5

Q4 2022

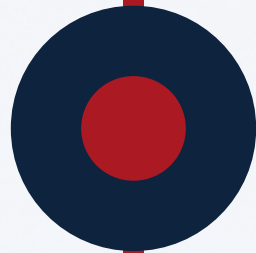


**Pac**Genesis

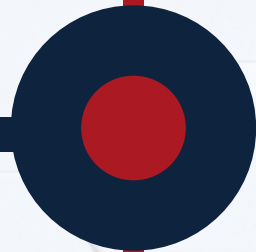
# Agenda



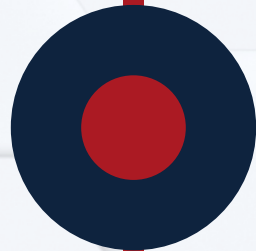
*Introduction & Speakers*



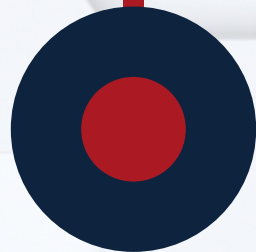
*IBM Aspera Enterprise:  
Faspex 5*



*Demo & Roadmap*



*Faspex 4 to Faspex 5  
upgrade path*



*Summary & Q&A*

# Speakers



**Dipak Chocha**

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



**Stephane Blanchard**

**Head of Engineering  
@ IBM Aspera**



**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 Markets
- Growing team with expertise in all aspects of digital content workflows, cloud computing, networking, security and DevOps

 **PacGenesis**



# Markets Served



Media and Entertainment



Federal Government



Engineering & Manufacturing



Architecture & Design



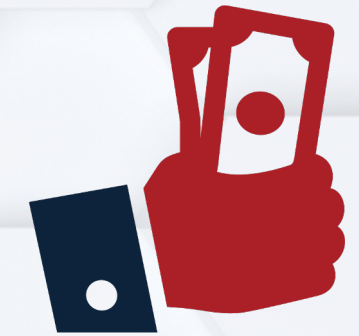
Life Sciences & Pharmaceutical



Healthcare



Software & Gaming



Financial Services



Oil & Gas



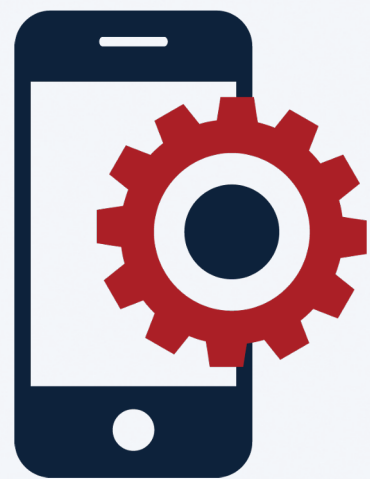
Enterprise IT



Advertising & Publishing



Legal eDiscovery



Telecommunications



Cloud Computing



Consumer Products & Retail



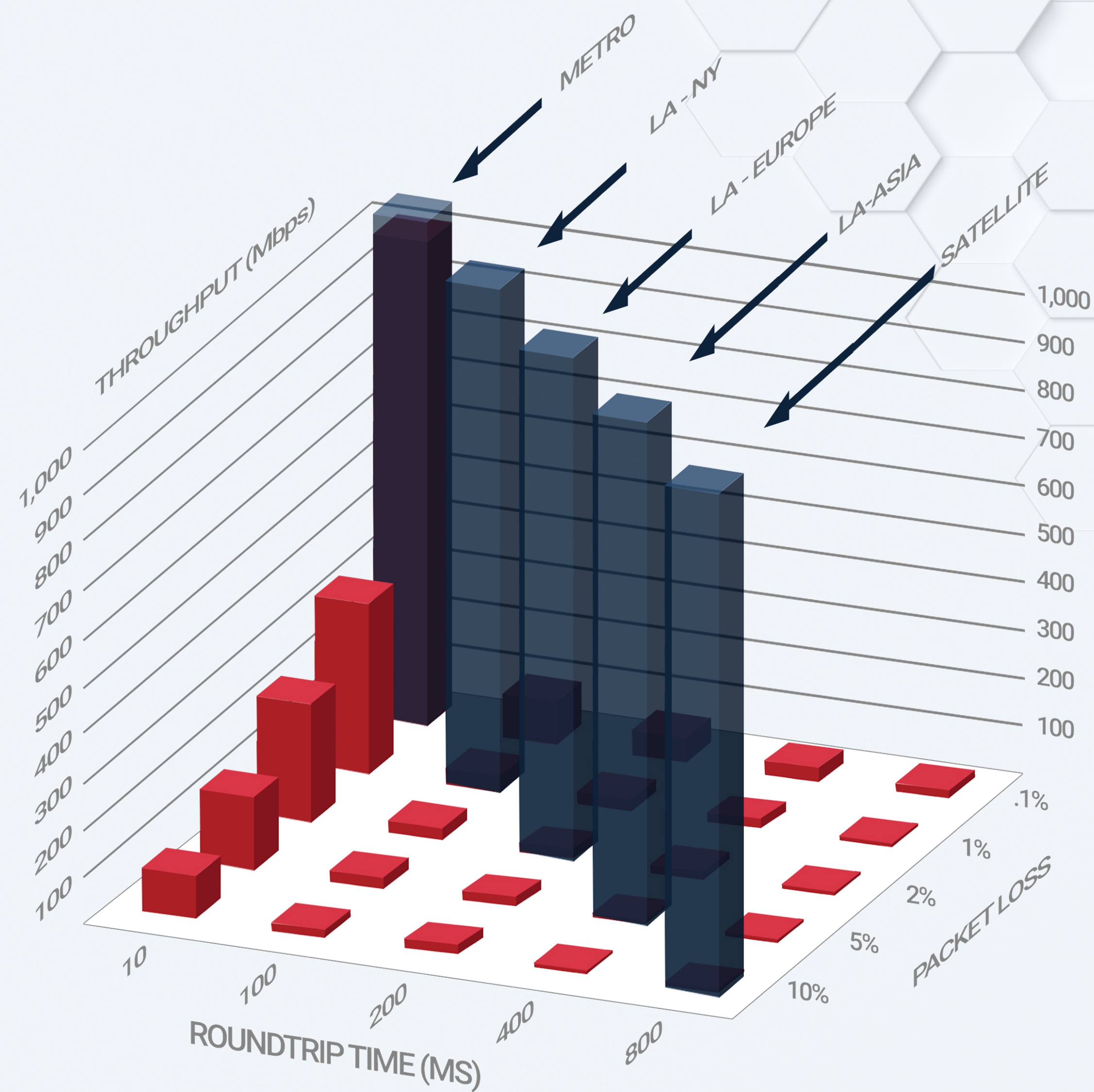
Service Providers

 **Pac**Genesis

 **IBM Aspera**

*IBM Aspera Overview*

# FASP® - High-Performance Data Transport

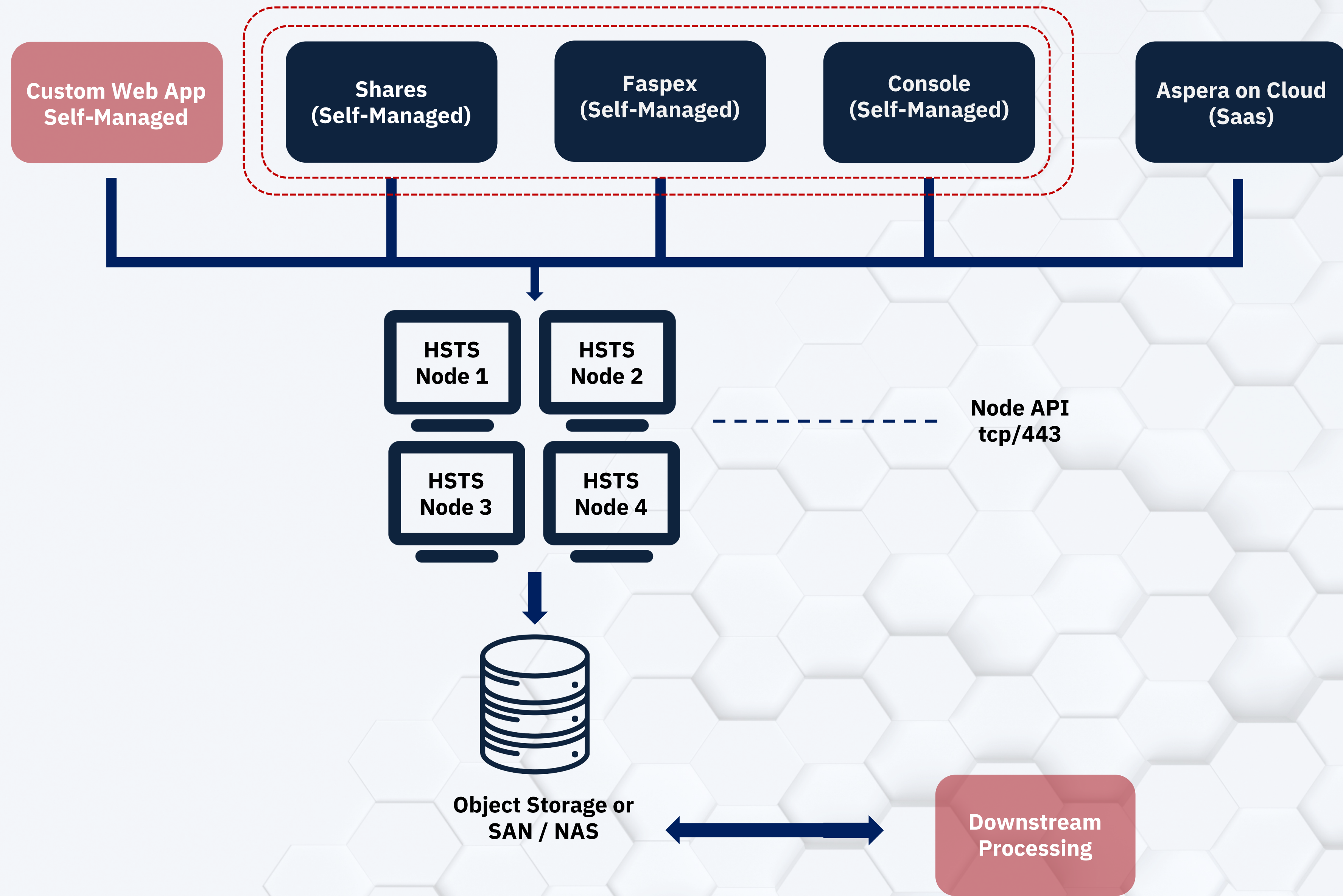


- Maximum transfer speed
- Congestion avoidance and policy control
- Uncompromising security and reliability
- Scalable management, monitoring and control

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.



# IBM Aspera Web Applications Suite Overview

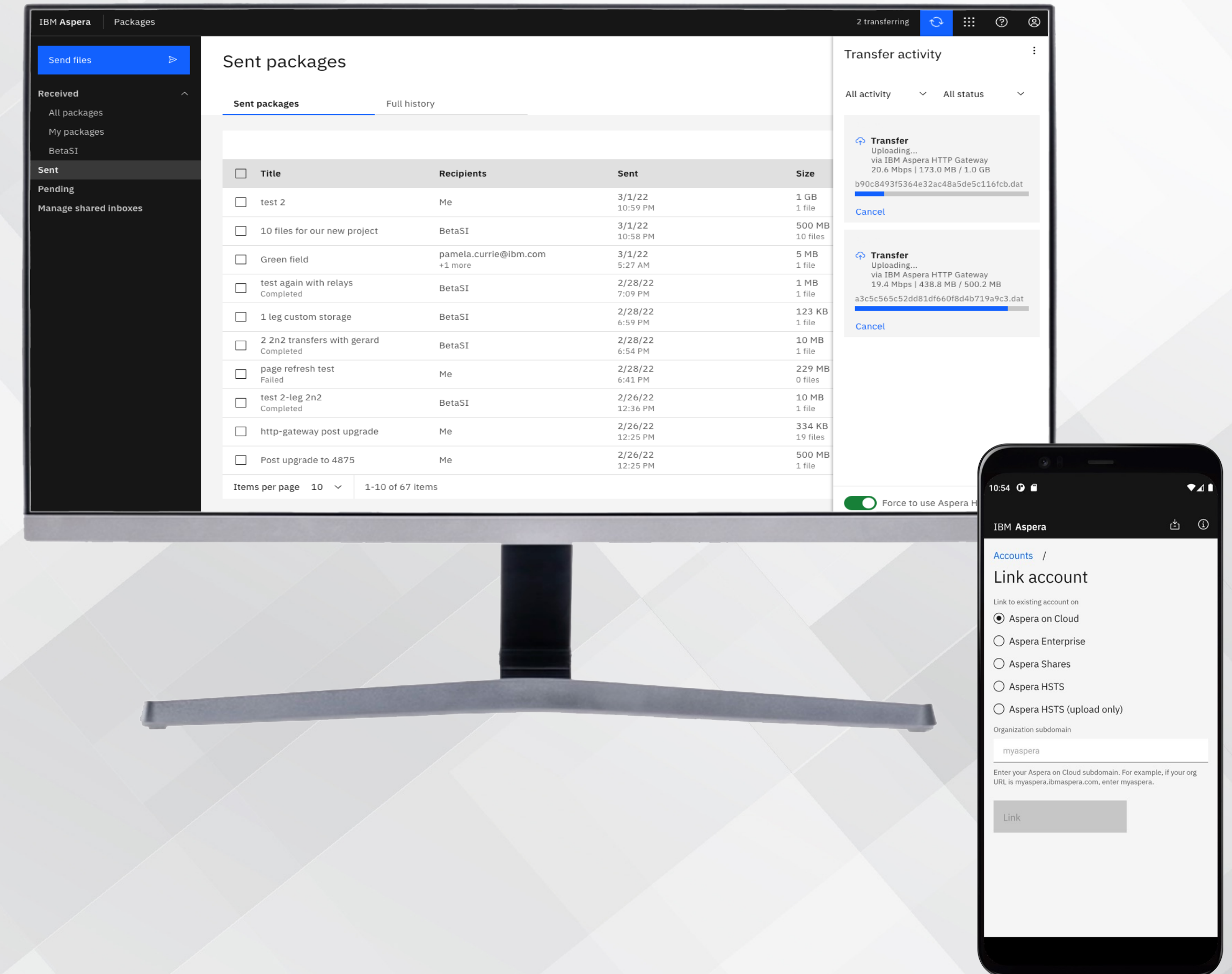




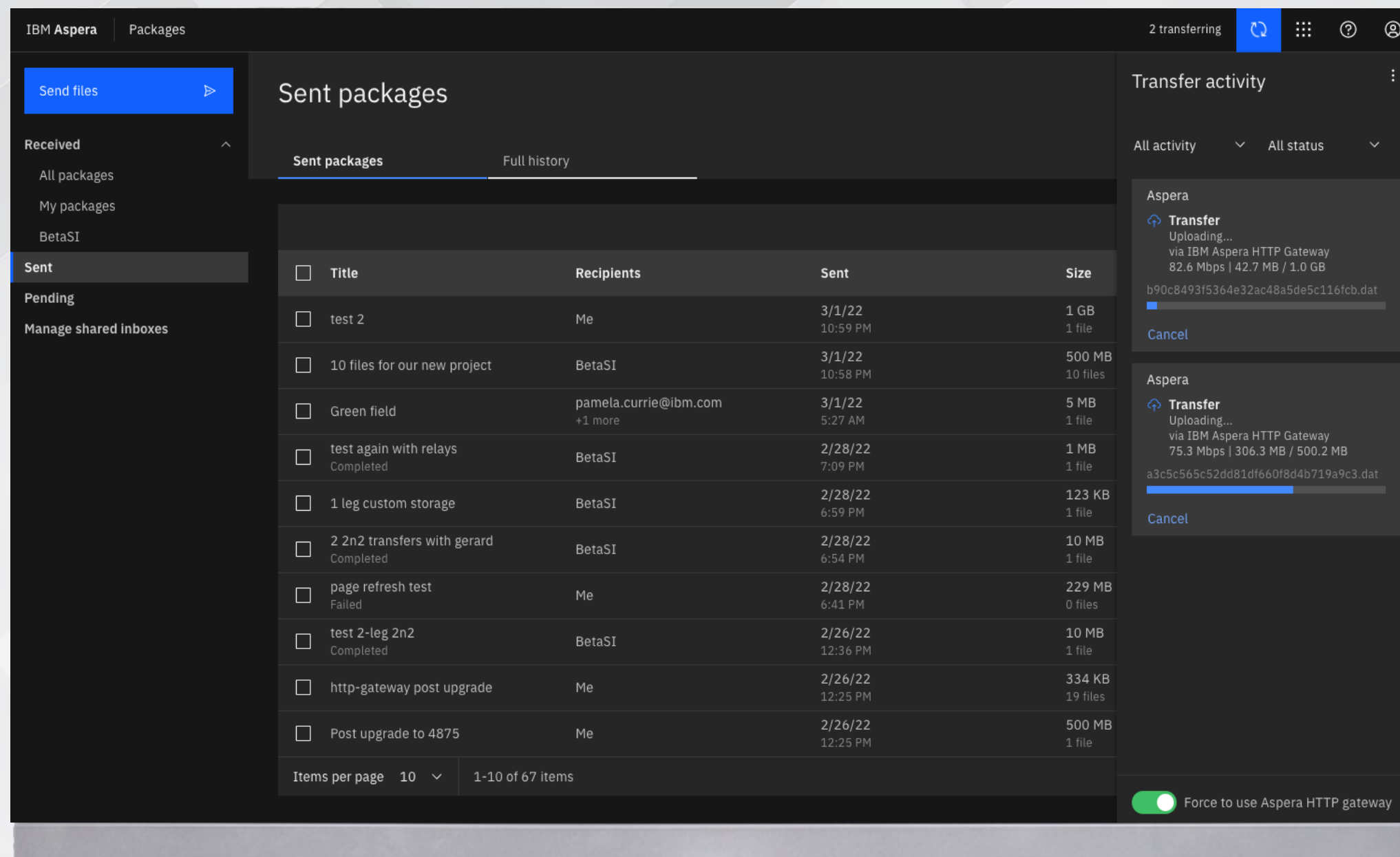
***IBM Aspera Enterprise: WebApps Suite  
Faspex 5***

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.



# IBM Aspera Enterprise: Faspex 5 Roadmap



## 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**

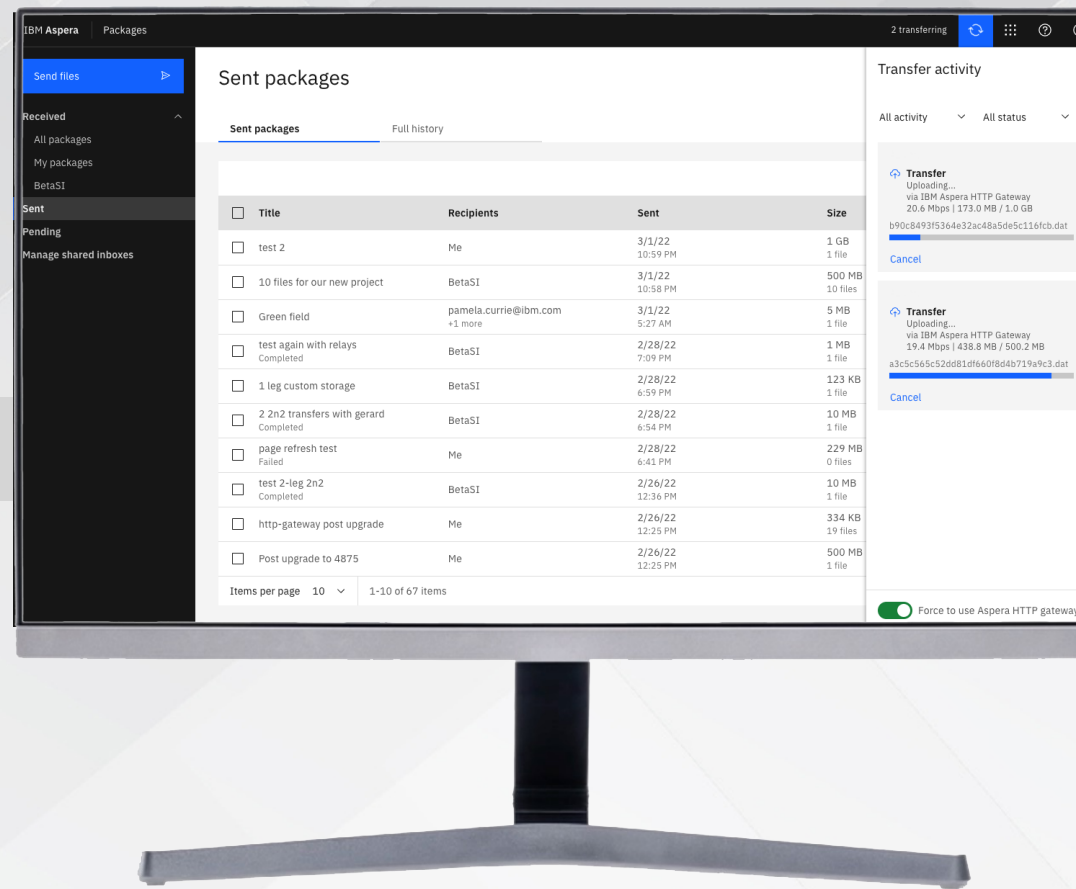
## Upcoming

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

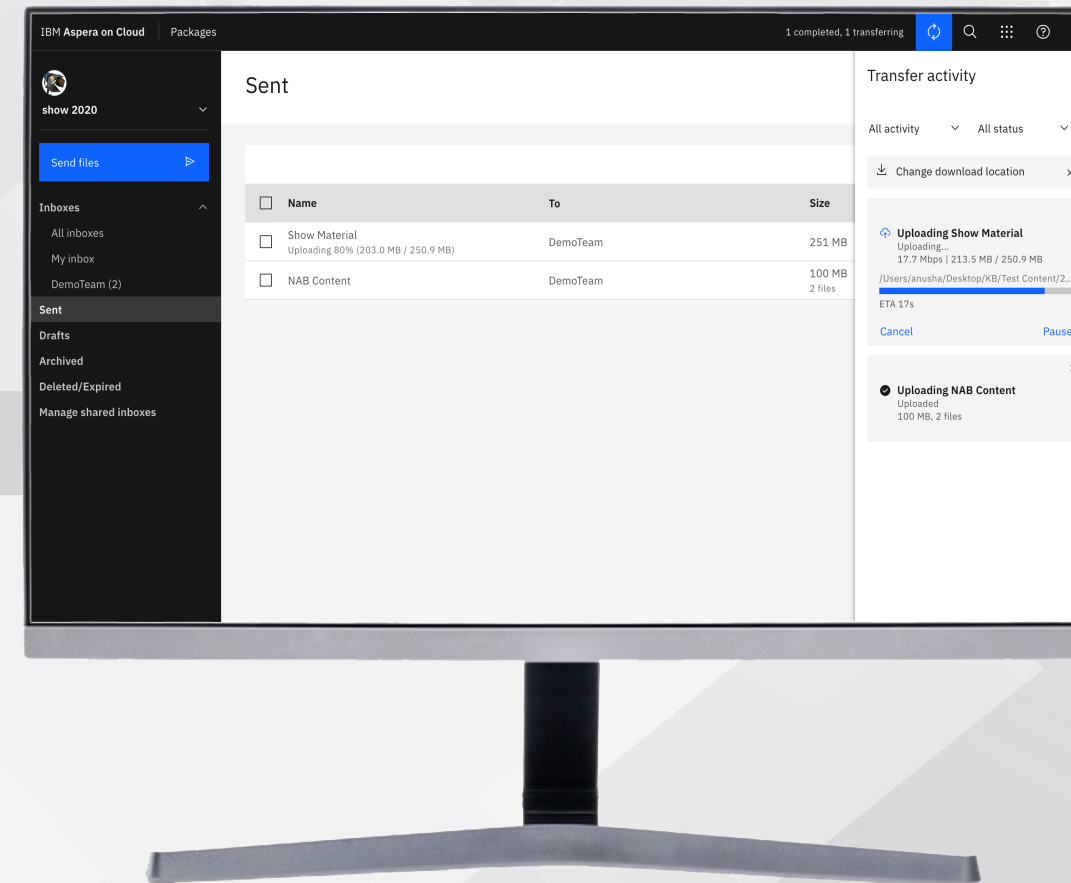
# Why IBM Aspera Enterprise Faspex 5?

## One Seamless User & Admin Experience

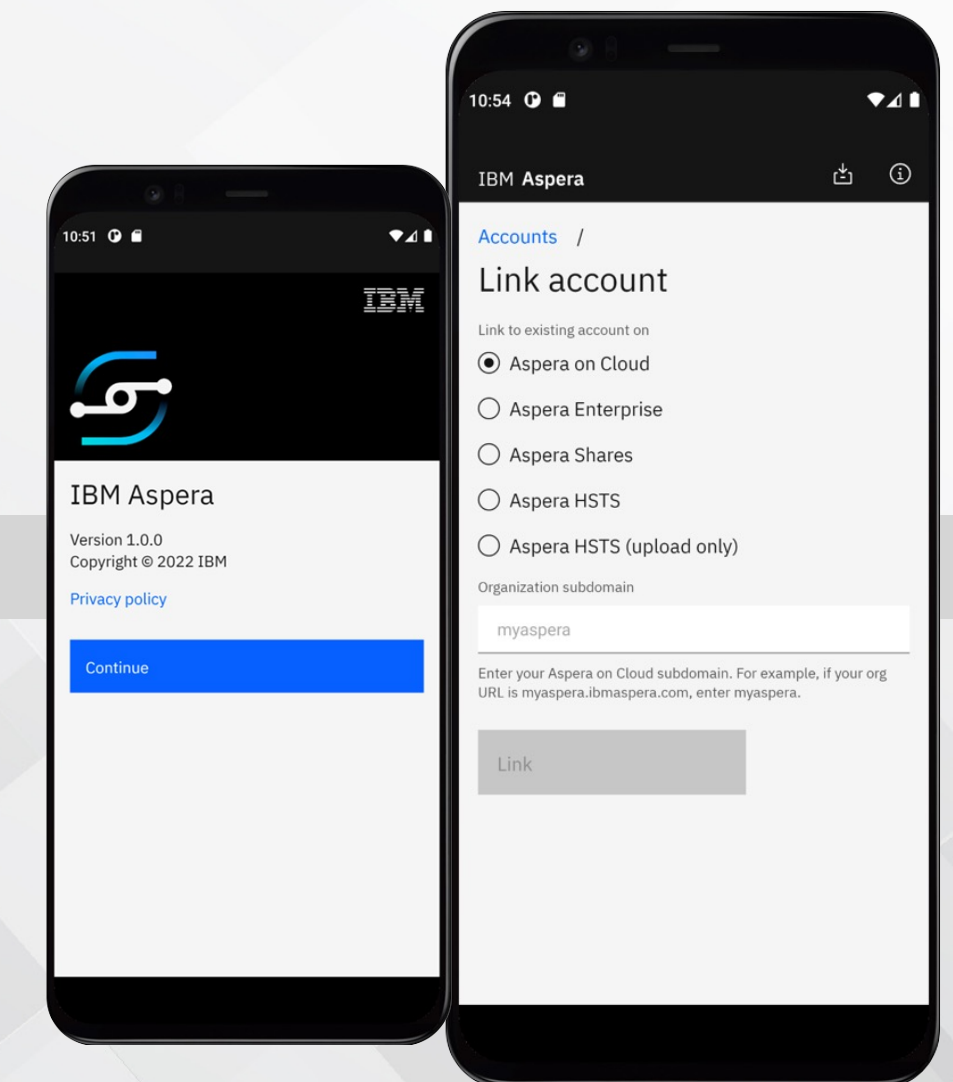
### IBM Aspera Enterprise Faspex 5



### IBM Aspera on Cloud



### IBM Aspera



## 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.

## 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	Faspex 5
Username could be arbitrary	Users log in with their email address
User passwords can be set by an administrator	Users reset their own password, admin can force reset
Directory services/LDAP direct integration	Local user accounts or directory support via SAML for SSO and API
Local HSTS node configured with localhost or 127.0.0.1	All HSTS nodes added by public/private IP address
Rake tasks for administrative tasks	New standard & modern APIs
Aspera HSTS v4.x supported	HSTS v4.3+ supported, with activity logging enabled
Sending packages to a workgroup or dropbox prepends an asterisk (*)	Workgroups and Shared Inboxes are labeled
Post processing script support	Coming soon: webhook-based post-processing

## Faspex v.4.x supportability

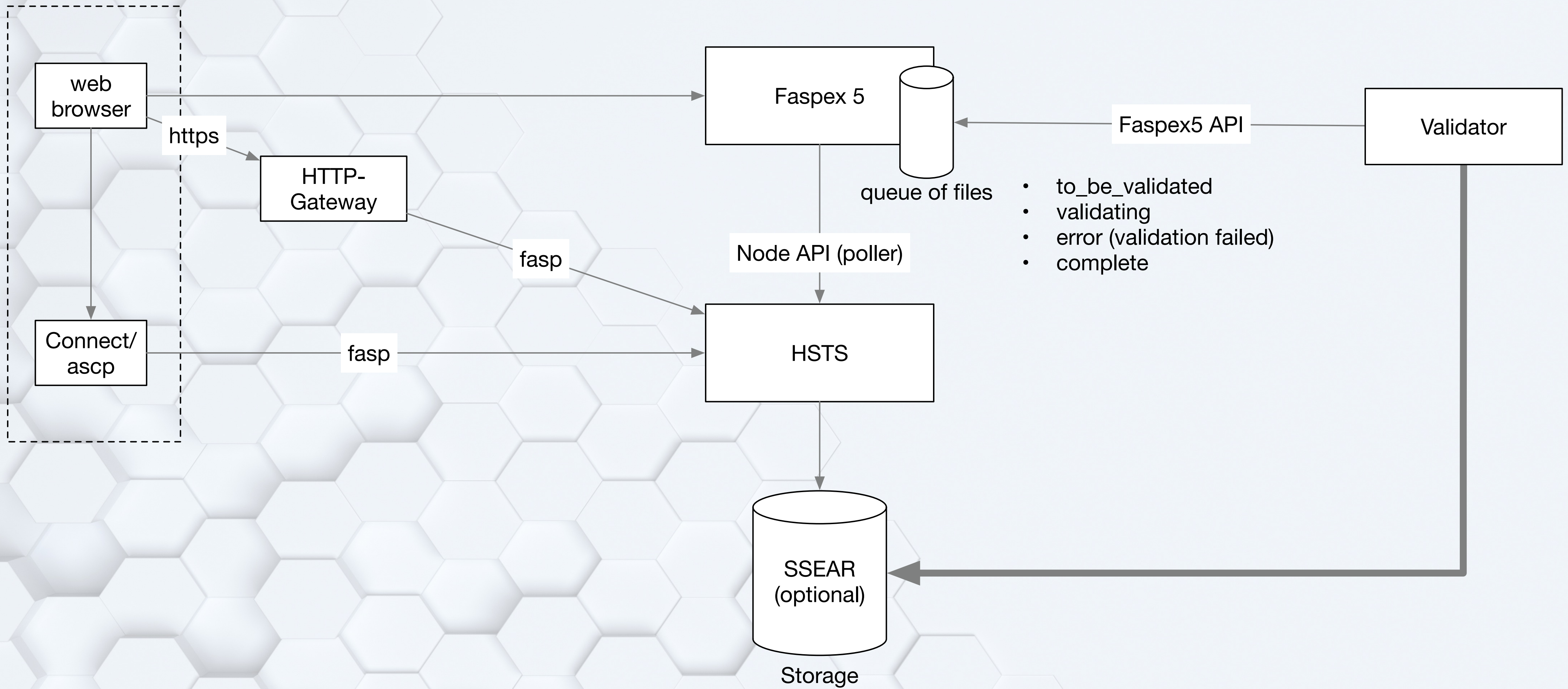
Faspex v.4 will be moved to End of Support on September 30<sup>th</sup>, 2023 – customers must upgrade to Faspex 5.x which is available via a license upgrade to IBM Aspera Enterprise.. Faspex v.5.x will not be supported on Windows.



## Live Demo

- 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

# Faspex with Blocking Post Processing for File Validation



# IBM Aspera Web Applications Roadmap and Releases (*Subject to change*)

## Delivered

- **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 on-premise 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**

## Next 90 Days

- **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

- **Faspex 5.0.5 release with post processing support (blocking package processing)**
- **Improved password management**
- **Advanced configurations in UI**
- **Rake task replacements**
- **Time zone support**
- **Adding Shares/Files functionality**

## Long Term

- **Console (limited) functionality into WebApps Platform**
- **Authorization & Security (container) enhancements**
- **HTTP Gateway fallback**
- **Automatic upgrades**





# Helpful References for upgrading to IBM Aspera Faspex 5

---

- [RFA announcement for IBM Aspera Faspex 4.x EOS](#)
- [Upgrading from IBM Aspera Faspex 4](#)
- [Differences and breaking changes](#)
- [IBM Aspera Faspex 5 API Guide](#)
- [IBM Aspera Faspex 5 API vs previous API versions](#)
- [IBM Aspera Faspex 5 Documentation](#)

## Q&A

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

# 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 [sales@pacgenesis.com](mailto:sales@pacgenesis.com) or speak with your account rep.

<https://pacgenesis.com/aws-reinvent/>



Please Reach out for Questions or  
Follow-up

 **PacGenesis**

 **IBM Aspera**

**Contact Us**

Email: [sales@pacgenesis.com](mailto:sales@pacgenesis.com)

[www.pacgenesis.com](http://www.pacgenesis.com)

# 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

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

Client

- 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

