

IBM Technology



G-Cloud 15 IBM – Aspera Enterprise on Cloud Service Definition Document

Email: ukcat@uk.ibm.com

Contact: Anne-Marie Wheeler

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Overview

Service Description

IBM Aspera - A proven rapid data transfer SaaS offering for sharing large files and data sets in an easy drag-and-drop format, from and to any datacentre, whether cloud or on premises. Aspera is scalable, secure with encryption as standard. E.g. Video files, X-Ray Imagery, Forensic Files, VM images, Databases and Live streams.

Why the service is needed.

Service features

Core Transfer & Performance Features

- FASP Technology: Patented protocol for maximum transfer speeds over any distance, utilizing full bandwidth without impacting other traffic.
- High-Speed File Transfer: Accelerates movement of large files and datasets, ideal for video, medical imaging, and big data.
- Drag-and-Drop Interface: Simple, user-friendly way to initiate transfers.
- Desktop Integration: Seamlessly integrates with web browsers for high-speed uploads/downloads via a desktop app.

Security & Reliability

- End-to-End Encryption: Data is encrypted in transit and at rest for maximum security.
- Data Integrity: Verifies data accuracy post-transfer, preventing corruption.
- Access Controls: Strong user management and permissions.
- Resilience: Automatic retries and resumption of interrupted transfers.

Management & Scalability

- Hybrid Cloud Support: Works across on-premises, private, and public clouds (IBM, AWS, Azure, Google).
- Workflow Automation: Tools for automating large-scale data workflows.
- Global Distribution: Efficiently shares content worldwide.
- APIs: Rich APIs for deep application integration



Service benefits

Proprietary FASP technology maximizes transfer speeds and security while avoiding network congestion.

- Get faster time to value by accelerating transfer workflows
- Lower costs by reducing transfer errors
- Enhance your security posture with end-to-end encryption

Service Options

IBM Aspera service options

Offering	Deployment Model	Core Capabilities	Typical use-case
Aspera on Cloud	SaaS (public IBM Cloud) – multi-tenant or dedicated VPC	• Managed FASP engine, web UI, REST/CLI APIs • Built-in encryption, SAML/LDAP auth, usage-based billing • 14-day free trial, 4 pricing tiers (Lite, Standard, Advanced, Enterprise)	Fast, secure file transfer for teams that don't want to manage infrastructure.
Aspera Enterprise	Self-managed software (on-premises, private-cloud or IaaS)	• Full-featured FASP server, high-speed transfer endpoints, faspio gateway • Unlimited concurrent transfers, customizable policies, integration with IBM Cloud Object Storage or on-prem storage • License-based (per-TB or per-node) with optional support contracts	Organizations with strict data-sovereignty, regulatory or latency requirements that need full control of the environment.
Aspera Endpoint / faspio Gateway	Lightweight on-prem or edge appliance	• API-driven transfer endpoint for embedding FASP into existing applications or pipelines	Augment existing backup or migration tools with high-speed transport without a full Aspera server.

Aspera Hybrid (Cloud Pak for Integration)	Containerised Aspera component deployed via CP4I on Red Hat OpenShift	• Supports TCP/UDP-based streaming, database replication, backup workloads • Same FASP engine packaged as a container, managed by the CP4I operator • Seamless integration with other integration services (MQ, Event Automation) and IBM Cloud Monitoring	Enterprises already on a Kubernetes-native integration platform that want unified ops and scaling.
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The IBM logo, consisting of the letters "IBM" in a bold, blue, sans-serif font. The letters are composed of horizontal stripes, with the "I" and "M" having eight stripes and the "B" having seven stripes.