

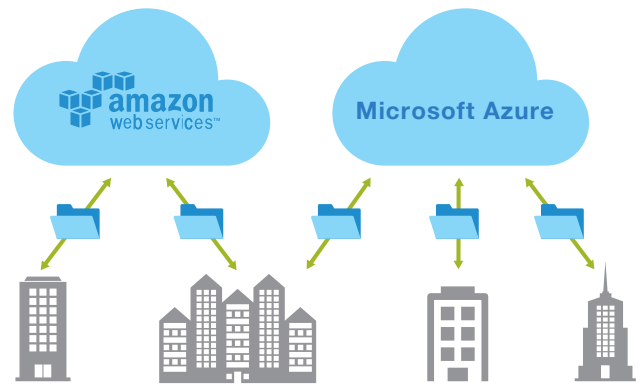
Signiant Flight

The fastest way to move large files into and out of the cloud

Signiant Flight is a unique SaaS solution that addresses the challenge of transporting large datasets to and from the cloud, and is particularly useful when ingesting large files from multiple global endpoints or when data must travel over long distances.

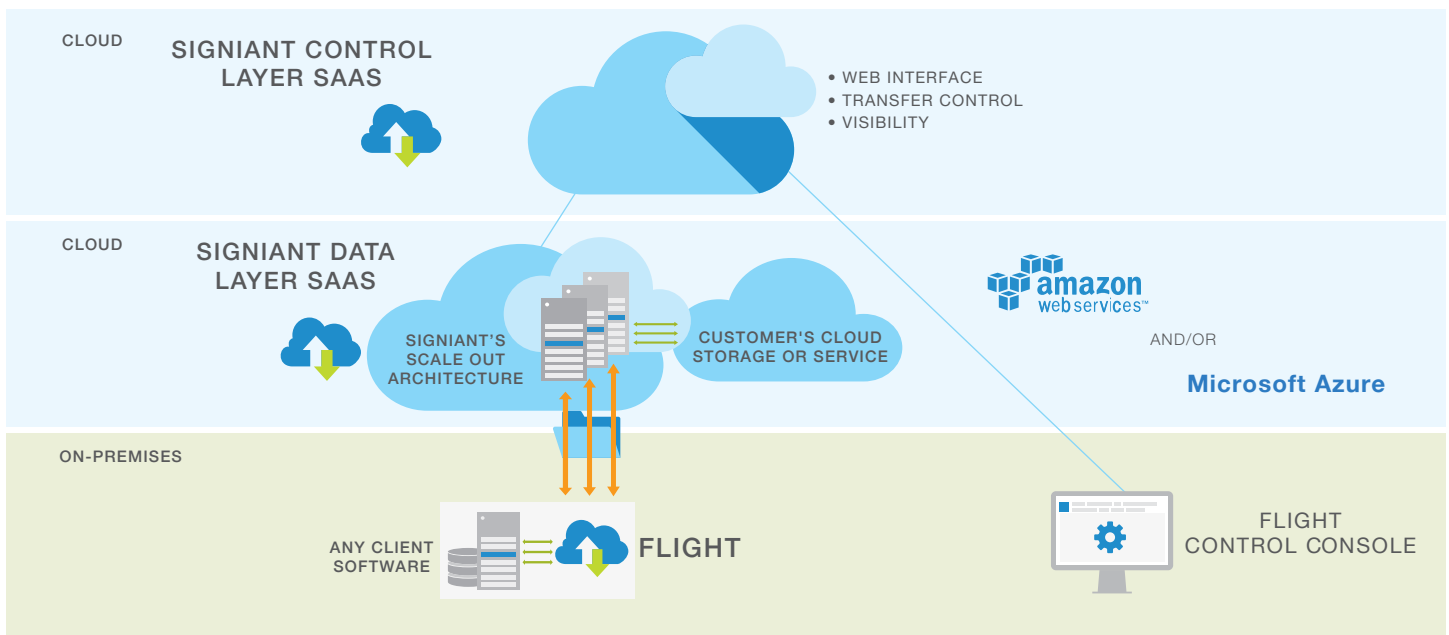
Key Benefits of Flight

- **FAST:** With Signiant’s core file acceleration technology and a patented scale out architecture that accelerates any HTTP(S)-based transfer, Flight achieves unprecedented multi-Gbps speeds.
- **FLEXIBLE:** Flight is flexible on multiple dimensions. As a cloud-native solution, Flight harnesses the flexibility of the cloud, delivering an elastic, high-availability solution that is easy to deploy and use. Flight allows you to move files from any on-premises storage to any cloud service from Microsoft or Amazon, and easily accelerate transfers via familiar interfaces such as web browsers or CLIs and SDKs. Improve the performance of any cloud workflow where AWS or Microsoft Azure client software is already embedded.
- **SECURE and RELIABLE:** Flight encrypts all data during transit and Signiant’s 24/7 operations team provides global monitoring and support for thousands of clients around the world. Our customers never have to worry about when or if their data will arrive. Even over long distances and in the event of network congestion typical of Internet connections, Flight’s transfers are reliable and predictable.
- **CONTROL and VISIBILITY:** Many media companies rely on Signiant’s flagship Manager+Agents (M+A) solution for scheduled delivery and global oversight of file transfers. When Flight is used in conjunction with M+A, transfers to the cloud and transfers between on-premises storage are managed identically. With full visibility of all transfers and advanced functionality such as resource control, a Flight/M+A integration affords seamless management of data transfers in a hybrid cloud deployment from one central console.



How Flight Works

- **CLOUD-NATIVE Implementation:** Flight is a fully managed cloud service, automatically spinning up the necessary cloud compute resources and relinquishes them when no longer needed. Our customers never need to worry about procuring cloud servers or deploying software in the cloud. Signiant handles all of those tasks in a multi-tenant, auto-scaling, load-balanced deployment that is managed 24/7 by our professional DevOps team.
- **SCALE OUT Architecture:** Flight’s patented scale out architecture delivers multi-Gbps speed by enabling the use of multiple cloud compute instances for a single transfer. An enormous improvement over first-generation accelerated cloud data transfer utilities, Flight eliminates bottlenecks associated with “scale up” transfers that transmit each file via a single cloud compute instance. In addition to the raw speed benefit, this architecture greatly simplifies the entire data management workflow. There’s no longer a need to re-organize data for optimal transfer speed. Customers can simply initiate the transfer of any data set, and Flight will ensure the fastest possible delivery.
- **UDP Acceleration:** Flight utilizes Signiant’s core acceleration and security technology to move data into and out of the cloud. Moving data up to 200 times faster than standard IP transfers, Flight is especially impactful when latency is present. With the additional advantage of scale-out architecture mentioned above, Flight achieves extremely high transfer rates.



System Architecture

Flight provides end-to-end accelerated transfers to or from any cloud service including cloud object storage. When ingesting content, Flight moves data from the customer's on-premises storage through any client software (such as Signiant, AWS CLI or Microsoft AzCopy) to servers in the cloud using Signiant's patented scale out architecture over parallel HTTPS streams. Those servers are connected locally to cloud services from AWS and Azure where they seamlessly hand off the data as it streams. For data downloads, the process is basically the same but in reverse. The Signiant data and control layers illustrated in the diagram above are delivered from the cloud via Signiant's fully managed multi-tenant, cloud-native SaaS. However, customers procure and manage their own cloud services such as storage. This architecture lets you maintain complete control over high-value content, while simultaneously deriving the classic SaaS benefits of automatic updates, scalability, and global availability.

Easy to Deploy

Getting started with Flight takes four easy steps:

1. Install the Flight proxy software on your premises,
2. Configure your client application to use Flight as a proxy,
3. Configure your destination cloud storage/service in the Flight control console,
4. Start transferring to and from the cloud.

NEXT STEPS

Talk to a Flight Specialist

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ABOUT SIGNIANT

Signiant's intelligent file movement software helps the world's top content creators and distributors ensure fast, secure delivery of large files over public and private networks. Built on Signiant's patented technology, the company's on-premises software and SaaS solutions move petabytes of high-value data every day between users, systems and applications.

