StreamSRT

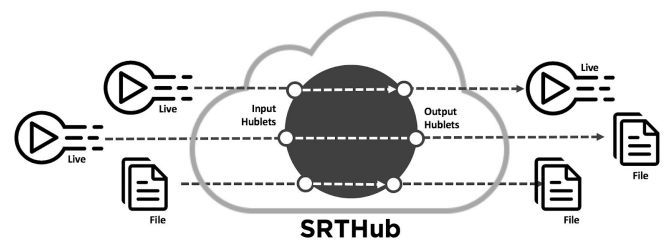**Secure, Reliable Office365 Stream Live Events**

SRTHub is a cloud-based service for routing low-latency, secure and reliable media for broadcast contribution, production, and distribution workflows. SRTHub the ideal solution for broadcasters looking for contribution alternatives to costly satellite links, purpose-built fiber networks, and proprietary transport solutions.

On-Demand Routing with Massive Scalability - When news is breaking, broadcasters need fast, on-demand ways of getting their content from the field to production, even from inconvenient locations worldwide. SRTHub helps broadcasters and video service providers easily build live and file-based content workflows on-demand, with security and reliability. With hybrid cloud and on-premise infrastructure and automated provisioning, SRTHub streamlines routing of content from the field across the low latency Azure backbone to centralized production facilities, speeding time-to-air for high-value produced content.

- Automate workflows that are traditionally done manually
- Connect multiple endpoints together flawlessly
- Reduce turn-around time from hours or days to minutes

Flexible, intuitive Workflows - With an intuitive, node-based user interface and cloud micro-services architecture, SRTHub offers broadcasters the flexibility of point-and-click and API-driven approaches for instantly creating custom cloud-based routing workflows to transport content worldwide using Azure and the SRT protocol. Customized workflows can quickly be established using integration and automation Hublets, connecting third-party end devices and cloud services.

Input, Processing, and Output Hublets - SRTHub routing is built using configurable nodes for getting content to, through, and out of Microsoft Azure. Called Hublets, these integration and automation nodes allow customization of SRTHub routes and extend the platform's capabilities through connecting endpoints and leveraging native and third-party cloud services. Input Hublets bring content into SRTHub from sources such as live contribution encoders (e.g. Haivision's KB or Makito X video encoders) or streaming servers. Processing Hublets are used to make transformations to content (such as transcoding, titling or inserting ads). Output Hublets connect SRTHub routes to external components such as low-latency decoders, playout servers, and cloud or on-premise live and file-based editorial systems. Hublets support and automate live-to-live, live-to-file and file-to-file workflows.

Open and Extensible Partner Ecosystem - SRTHub offers the flexibility to build custom workflows adapted to specific needs, while fostering third-party plug-in extensibility by connecting multiple broadcast solution vendors in a unified, customer-driven workflow. Third-party Hublets can easily be created using an established API and a custom user interface auto-generated through a JSON scheme.

Remote Device Control - Leveraging the Microsoft IoT framework, SRTHub gives broadcasters a centralized tool for controlling endpoints (video encoders, gateways, and video decoders), simplifying the process of provisioning and managing routes, even from unexpected locations including behind firewalls or on mobile platforms.
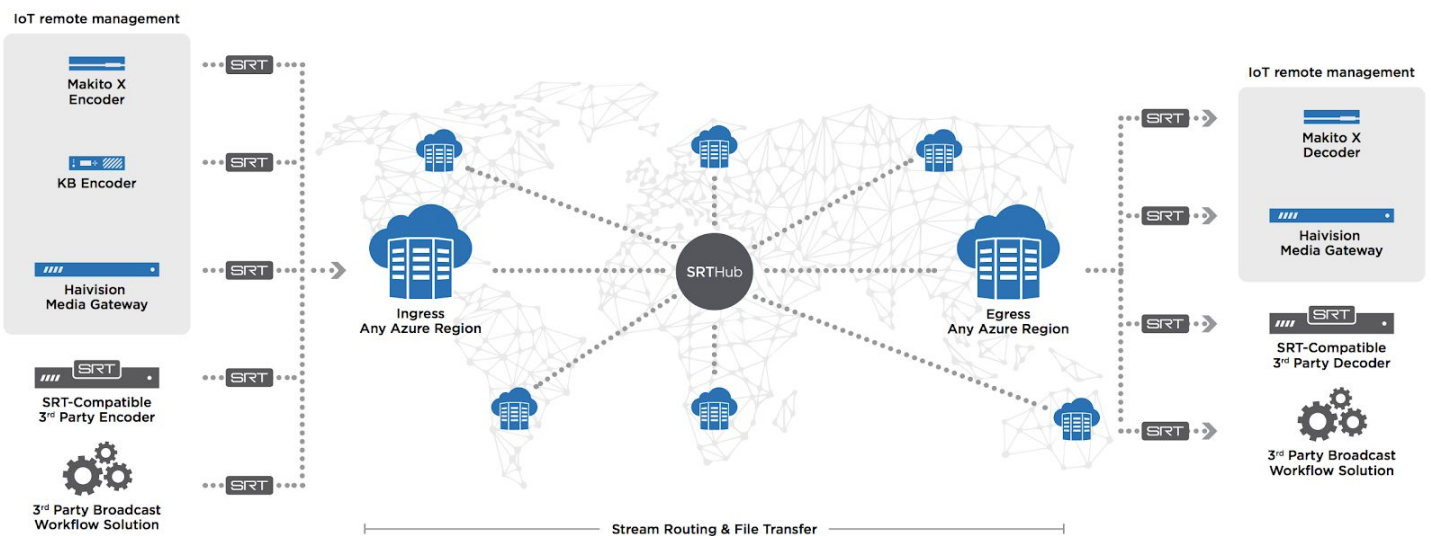
Feature	Benefit
On-demand access to low latency cloud routing	Spin up low latency routes in real-time, for coverage wherever important events are happening

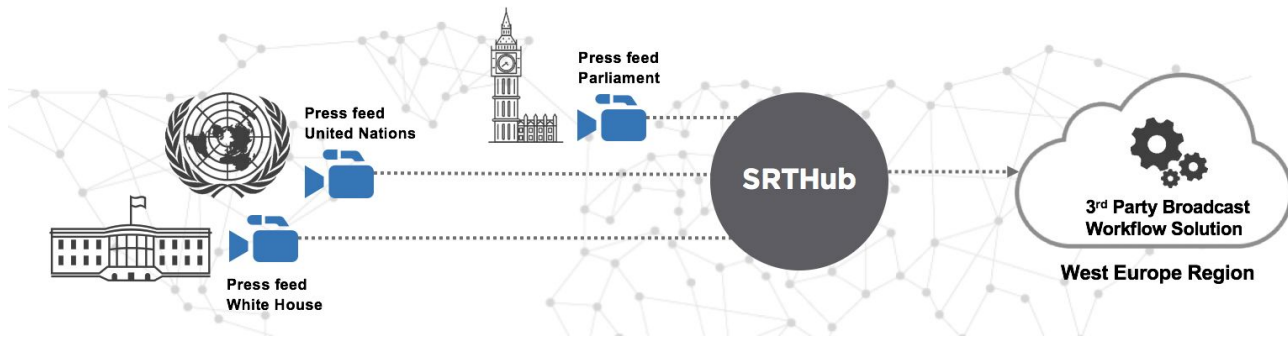| Highly customizable	Tailor contribution workflows to specific needs, connecting broadcast services together to get content to air fast
Massively scalable live and file-based workflows	Add input and output regions, send any amount of data - live or file - with the global footprint of Microsoft Azure
API-driven integrations	Integrate SRTHub into existing broadcast workflows, for customization to precise needs and further automation
Flexible Hublet workflows	Easily create routes to and through any Azure region, with additional processing to spin-up custom workflows
Remote device control	Centrally provision and manage high-quality contribution from internet-connect encoders
SRT protocol	Secure, reliable transport from a proven open-source protocol endorsed by hundreds of industry-leading organizations

SRTHub Overview

Connect. Route. Create.

SRTHub features seamless routing and control, an open partner ecosystem, and the scalability and reach of the global Microsoft Azure network.

SRTHub Workflow for Field Contribution to Cloud-Based Production

Press feed
United Nations

Press feed
Parliament

Press feed
White House

SRTHub

3rd Party Broadcast
Workflow Solution

West Europe Region

SRTHub Workflow for Field Contribution with Return Feeds

Makito X Encoder 01
US East

Makito X Decoder 02
US East

SRTHub

Production Facility

Makito X Decoder 01
Singapore

Makito X Encoder 02
Singapore