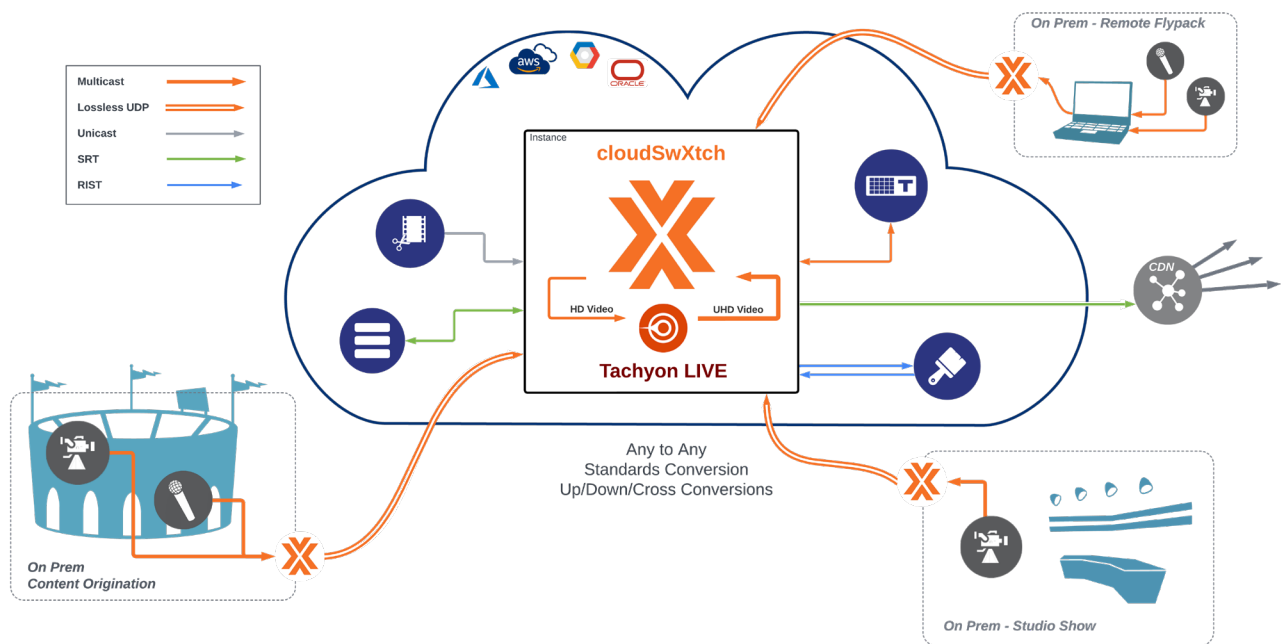# Meet cloudSwXtch

Seamless cloud broadcasting. For real.

Unleash your broadcast workflows into the cloud with cloudSwXtch, a high-performance network technology by swXtch.io. cloudSwXtch delivers features once only possible on-prem, now a reality in the cloud. Whether it is live standards conversion or 2110 and JPEG-XS workflows, cloudSwXtch lets you focus on what you do best: delivering world class content without compromise.

Benefits

Don't compromise. *Demand more from your network.*

- Reduce your data center costs by moving enterprise production into a hybrid network
- The flexibility to choose whatever cloud you want and communicate seamlessly between them
- Simplifies network management and streamlines media flows in the cloud with NMOS
- Reliable transport from ground-to-cloud and in the cloud with SMPTE 2022-7 and Lossless UDP
- High-bandwidth workflows like 2110 JPEG-XS with zero compromises
- Work synchronously with geo-dispersed teams to ensure premium production from anywhere
- Total packet visibility and signal flow observability with an extensive channel view
- No software changes required

Simple to Deploy	Scalable	High Bandwidth

Multicast & Broadcast

Using multicast instead of unicast **optimizes** network configurations and **reduces** cloud distribution and egress costs.

Ground to Cloud/Cloud to Ground

Cloud applications can **dynamically select** on-prem video sources via IGMP requests.

Precision Time Protocol

Connect cloudSwXtch to a Master PTP clock to **synchronize** cloud workloads.

Live Standards Conversion

Perform a wide range of **real-time video transformations** on your live media production with Cinnafilm's Tachyon Live!

Reliable Transport

Protect your data with redundant network paths via SMPTE 2022-7 and Lossless UDP.

Protocol Conversion & Fanout

Send copies of a single input stream in any **supported protocol** (multicast, unicast, SRT, or RIST) to multiple destinations.

SMPTE 2110

Support high-bandwidth live production workflows like 2110 JPEG-XS or uncompressed into the cloud without the need for additional applications.

Multi-cloud

Normalize your **networking experience** with our cloud agnostic approach and have your application **interoperate** between all major clouds.
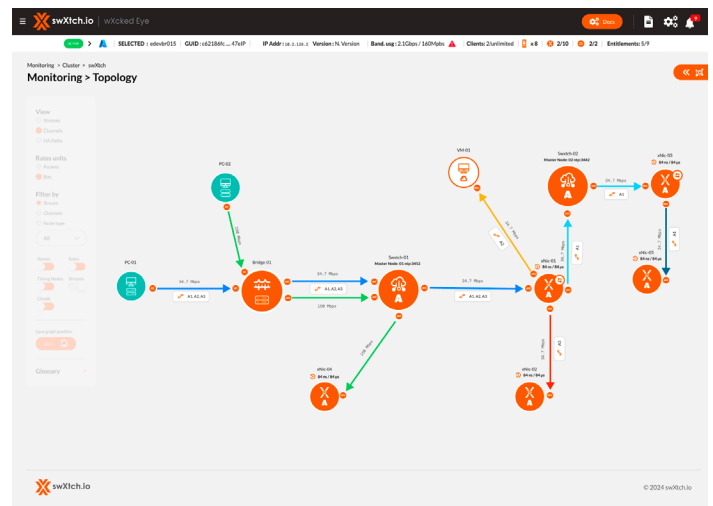
No code changes required

Monitoring

One of the main issues preventing migration to the cloud is lack of packet visibility. With cloudSwXtch, kiss those concerns goodbye.

wXcked Eye provides broadcasters the monitoring tools necessary to gain insights into data flows.

Integration for Prometheus and Grafana monitoring is also available.

cloudSwXtch's monitoring tool wXcked Eye

To Learn More

- Visit our website at swXtch.io
- Visit our documentation at docs.swXtch.io (Sign up required)
- Contact us @ swXtch.io/contact

Available on AWS, Azure, Google and Oracle Marketplaces

swXtch.io