AWS re:Invent

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MDS304

Live, from the cloud: It’s production on AWS

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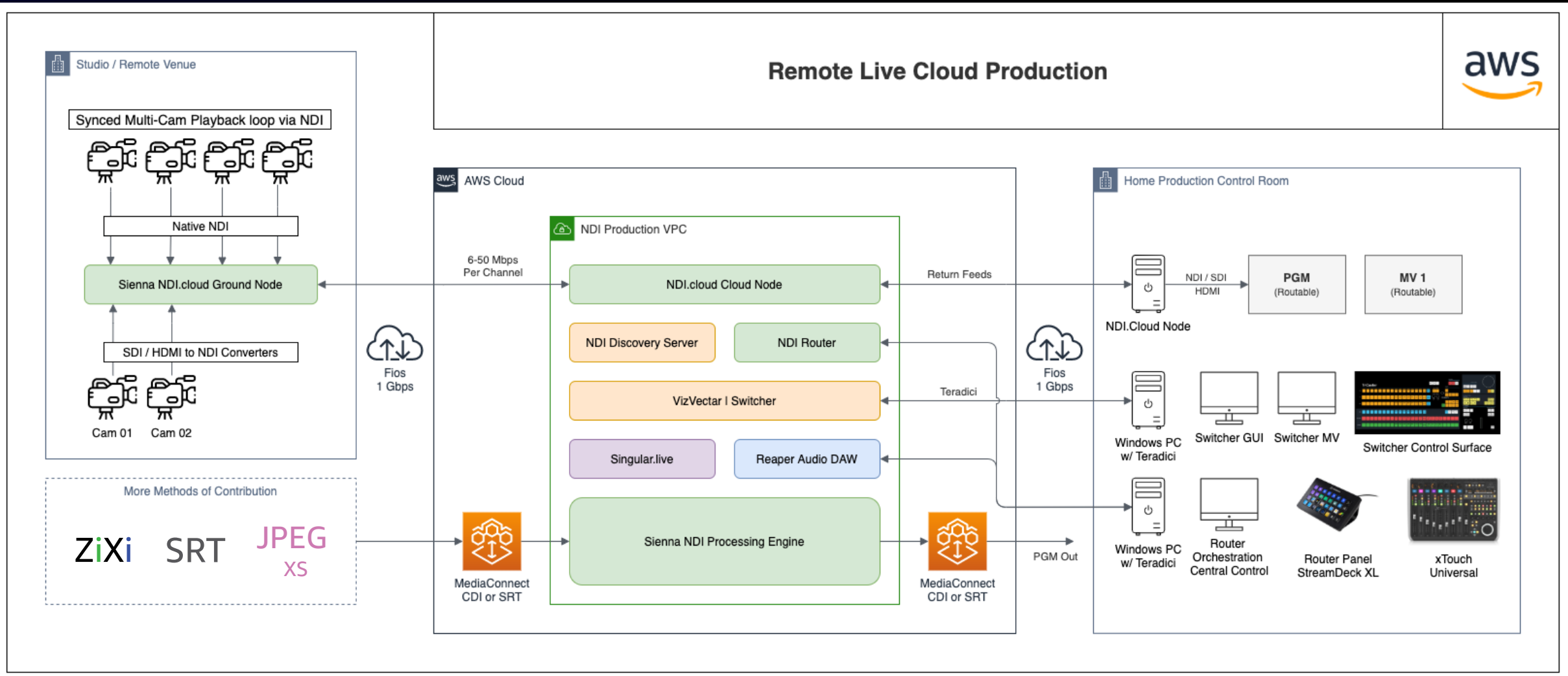
Agenda

Demo

What are we hearing from customers?

What are the challenges

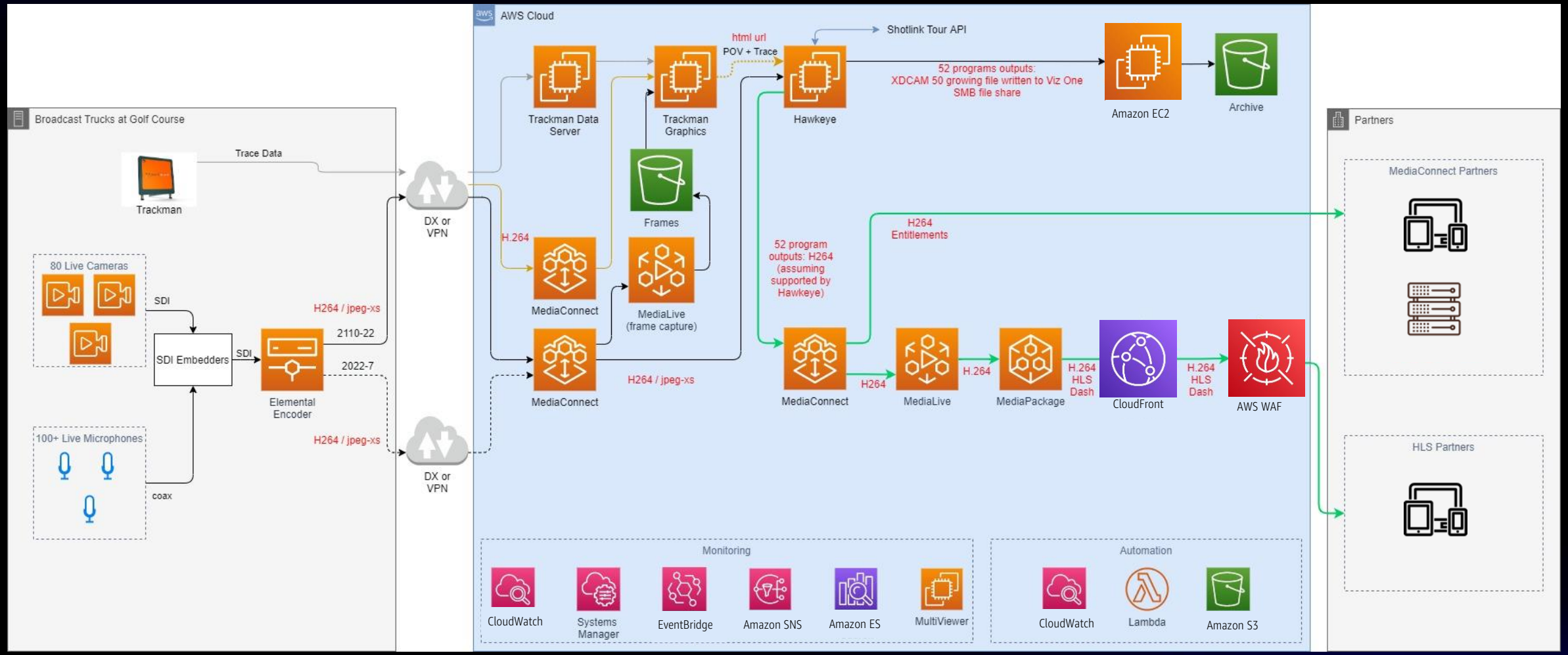
Remote live cloud production



AWS virtual live production solution

Customer case studies

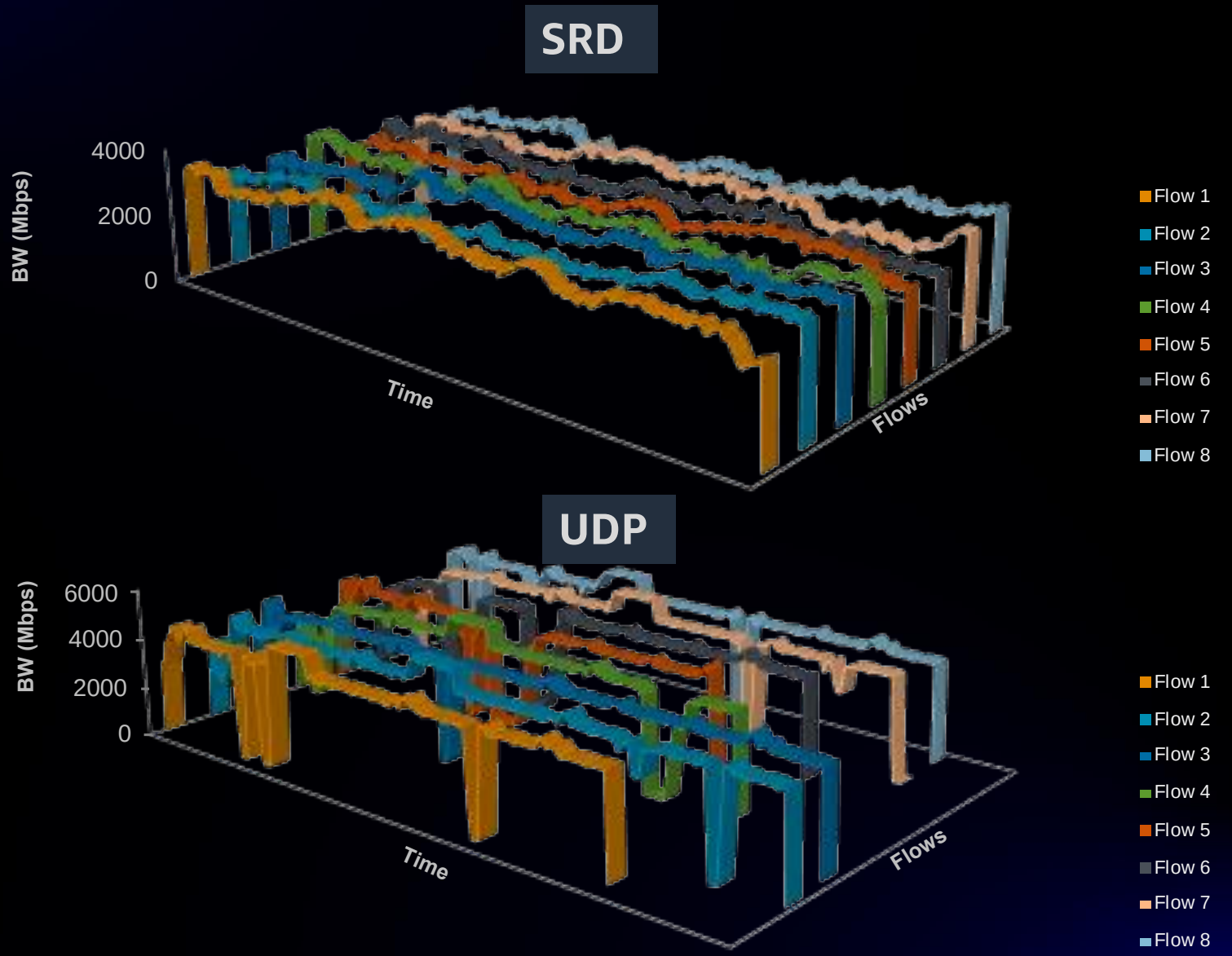
PGA Tour – Every shot live



What is AWS CDI?

- Move uncompressed media in the cloud, reliably
- Expected latency: Less than a frame
- An open SDK available on GitHub
- Implemented on AWS using SRD running on EFA

SRD: Reliable bandwidth



AWS CDI interop workshop

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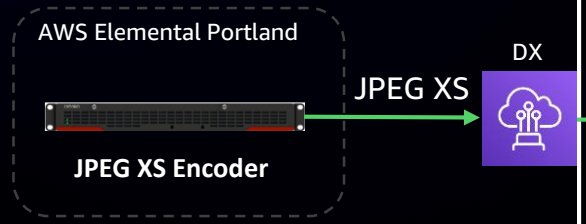
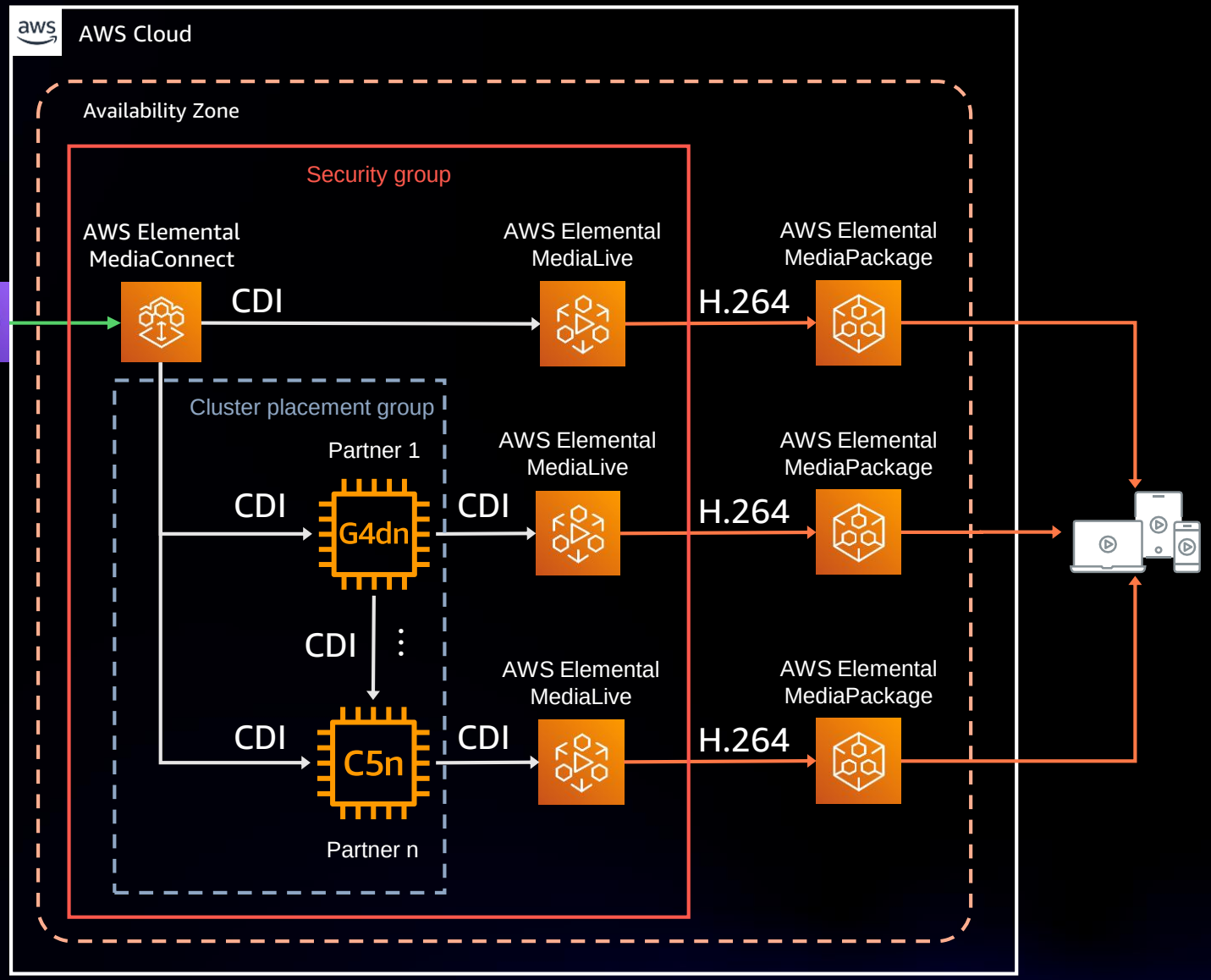


June 2021 participants:
Drastic, EEG , Gallery Sienna, Imagine, Matrox, NetOn, Nevion, Port9Labs, Ross, TAGvs , TechEx ,Telestream

25 engineers across 9 time zones, 20+ applications

All partners interoperated w. ~6-10 others
>100 interoperation points

Testing also used open source CDI plug-in for OBS: https://github.com/aws/obs-cdi



Building Sustainable Production Facilities in the Cloud

Problem

Sky News UK required a production facility, closely matching their current production environment, to produce **live coverage of the 12-day COP26 Climate Conference**

Challenges

- No traditional facilities available
- Limited time and budget to build new facilities
  - Only six weeks from first conversation to on-air
- No time to re-train staff on “other solutions”
- Quality, resiliency, and low carbon footprint was critical
  - Key sponsor at COP26 with commitment to NCZ by 2030

Results

- Designed and delivered in **6 weeks**
- Integrated with existing NRCS - **Minimal training required**
- **Efficient Operation**, staffed with 4 people: Dir, Prod, Sound, Tech
- **96 hours of live coverage with 100% success** - Across DTH, OTT and Sky Glass
- **Near-zero latency** - 120 ms round trip
- Total AWS running cost **<$750 Per day**
- Repeatable with CI/CD best practices, with a few lines of code, technology available to other lines-of-business

Thank you!

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