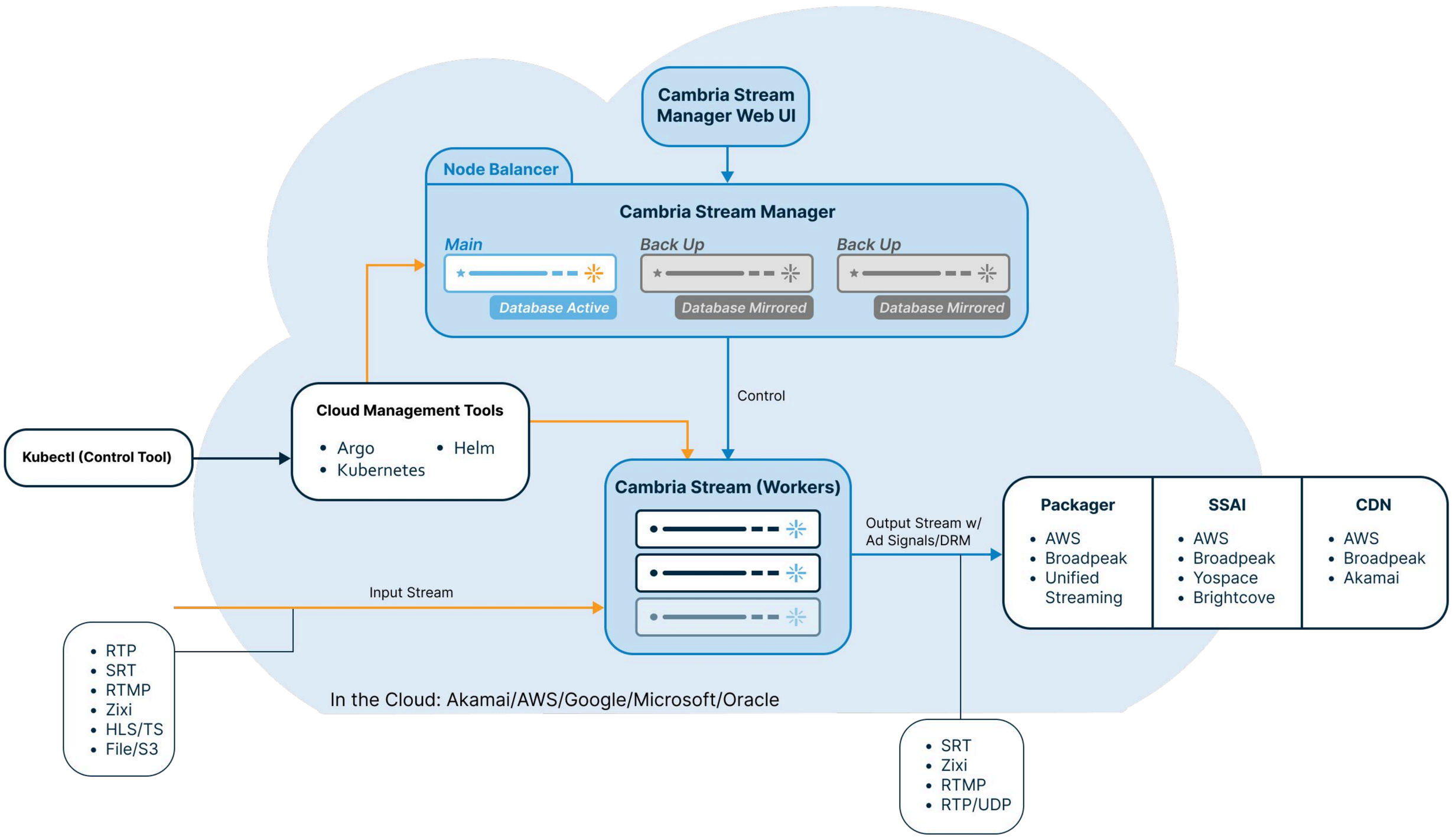
Live Encoding: Cambria Live and Stream

Cambria Live works as a standalone, all in one live studio encoder or as a part of a network of multiple Cambria Live workstations managed by Cambria Broadcast Manager

Cambria Stream is the newest addition to Capella's product line. It employs a customizable engine with a REST-based API that can also be deployed on-premise, in the cloud, or in any combination of these locations. Cambria Stream can easily integrate with and adapt to customers' existing ad insertion and live encoding workflows.



Main Features

- GPU (NVENC)
- CPU encoding
- File Import

Workflow

- Web UI, API
- Auto scale in the cloud
- Full redundancy

Ad Insertion

- Robust ad insertion handling (SCTE35)
- Auto ad insertion point detection using OCR
- Manual ad insertion points using Cambria Ad Break Controller

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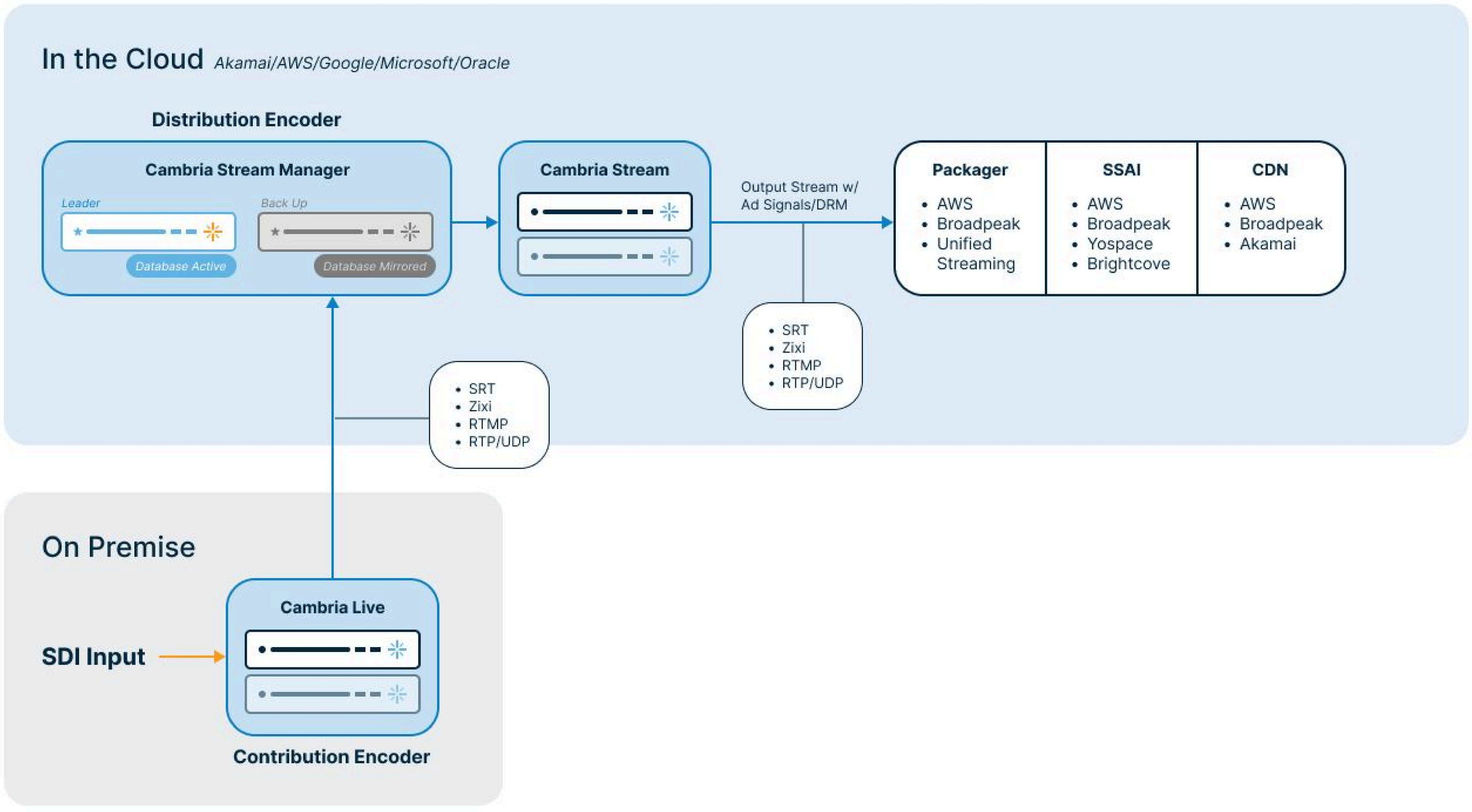
Designed to evolve

Hybrid Live Encoding Solution



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Request a demo or trial license

Live Encoding Supported Formats

Input File Formats (Cambria Live)

Formats	Containers	Video Codecs	Audio Codecs
SDI	F4V	DV25	Linear PCM
HDMI	MOV	H.264	MPEG-1 Layer 2
Analog	MP4	MPEG-1	MPEG-2 AAC
RTP	MPEG-1 PS	MPEG-2	Windows Media Audio
RTMP	MPEG-2 PS	Windows Media Video	
SRT	MPEG-2 TS		
NDI	HEIC		
Flash Video			
Generic MP4			
Generic PS			
Generic TS			
Generic TSMOV			
PowerPoint			
PDF			
Still Image			
Web Capture			
Windows Media			
Zixi TS via Zixi Broadcaster			

Output File Formats (Cambria Live)

Formats	Containers	Video Codecs	Audio Codecs
Akamai	CMAF	H.264 (x264)	AAC
AWS MediaStore	CMAF CTE	HEVC (x265)	Dolby Digital
AWS S3	DASH	H.264 (NVENC)	Dolby Digital Plus
Brightcove	HLS	HEVC (NVENC)	HE-AAC v1 and v2
Facebook Live	MPEG-2 TS		MPEG-1 Audio Layer 2
Generic MP4	MP4		MP3
Generic Server RTMP	RTMP		
Generic TS	RTP/UDP		
Icecast	RTP-FEC		
Linode Object Storage	SDI		
Microsoft Azure	SRT/TS		
ULIZA	Zixi		
Unified Streaming			
WebDAV			
Wowza			
Youtube			

**Options are available at an additional cost*

Input File Formats (Cambria Stream)

Formats	Containers	Video Codecs	Audio Codecs
SRT	F4V/FLV	DV25	Linear PCM
UDP	MP4	H.264	MPEG-1 Layer 2
RTMP	MPEG-1 PS	HEVC/H.265	MPEG-2 AAC
Zixi	MPEG-2 PS	MPEG-1	Windows Media Audio
SDI	MPEG-2 TS	MPEG-2	
HLS-TS		Windows Media Video	

Output File Formats (Cambria Stream)

Formats	Video Codecs	Audio Codecs
CMAF	H.264 (x264)	AAC
CMAF CTE	HEVC (x265)*	HE-AAC
HLS (TS)	H.264 (NVENC)	HE-AAC v2
HLS (fMP4)	HEVC (NVENC)*	Dolby Digital*
Single/Multibitrate SRT	HEVC (Dolby Vision Profile 5)*	Dolby Digital Plus*
Single/Multibitrate RTP		
Single/Multibitrate File		
Single Bitrate RTMP		
Single Bitrate Zixi		

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Live Encoding Benchmarks

For more information on benchmarks, please visit our website

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