Cloud playout for broadcast, FAST and OTT channels.

Ingest, schedule, play out and deliver linear channels in the cloud, in your own account or ours. Operate Nimbus from the web console, the REST API or an AI agent over MCP.

How Nimbus works

01
Ingest
Files via S3-compatible storage or SFTP. Live over SRT, RTMP, HLS and more.

02
Library
Metadata, tags, cue points. Glacier archive with automatic restore.

03
Schedule
Imported playlists, reusable blocks and templates.

04
Play out
File and live events on one timeline.

05
Graphics
HTML5, logos, tickers and DVE on the playout.

06
Deliver
Multiple outputs, each with its own encoder settings.

Deployment and redundancy

Deployment

- AWS by default, in your own AWS account or on Veset-provided resources.
- Hybrid: your MAM and storage on another cloud, playout on AWS.
- Not locked to AWS: Hetzner is supported, and other public clouds (tested on Google Cloud and Azure) on request.
- On-premise SDI playout for enterprise deployments.

Redundancy

- 1+1 hot backup: two synchronised playouts in the same or separate AWS regions with identical outputs. Your receiver or MCR selects the feed.
- Warm standby: a standby playout that starts automatically within minutes.
- Nimbus HA: high availability across multiple AWS regions.
- Cloud DR for on-premise playout: runs only when needed and is on air within minutes of a start from the console, API or MCP.

Operation and automation

AI operation over MCP

- Public MCP server at mcp.veset.tv/mcp with the full Nimbus API.
- Sign in from any OAuth-compatible MCP client with your Nimbus account.
- The agent acts with the signed-in user's role permissions.
- Included in every plan and in the trial.

API, monitoring and alerts

- REST API covering the full platform. Organisation API tokens are role-based and expire.
- Your playlist-generation scripts can move to the API.
- Console: live preview, playout and output status, as-run logs, uptime reports and an audit log of user and API actions.
- Alerts by email and webhook (Slack or other tools), including black or frozen video, low or high audio, and schedule gaps.

Scheduling and EPG

- Import BXF, XML, XLSX, CSV and JSON from the console, API, MCP or an S3/SFTP watch folder. Custom formats get a parser at onboarding.
- Live events sit in the schedule with file events. Take or skip from the console, API or MCP.
- Fire graphics and SCTE-35 markers over live, immediately or at an offset.
- Apply the emergency playlist by hand, or let Nimbus apply it on live input loss.
- Validate before air. A missing-assets report (CSV or JSON) lists what isn't in the library.
- Build schedules from reusable blocks and plan templates. Lock a channel while editing so changes don't clash.
- XMLTV EPG generated from the schedule. Platform-specific EPG formats on request.
- Add time-shifted or variant channels (different ads, edits or graphics) from a main channel, sharing one library.

Security and compliance

- ISO 27001 and ISO 27017 certified. Yearly penetration testing by an accredited third party.
- AWS Partner. Nimbus is available on AWS Marketplace.
- GDPR. A data processing agreement is available.
- Role-based access per organisation and channel, SSO (SAML, OIDC), MFA and audit log.
- Run in your own AWS account and choose the region, including Local Zones, for data residency.
- Encrypted storage and transport (for example SRT with AES).

Specifications

Inputs

Live, native	SRT · HLS · ABR HLS · RTMP · RTP-FEC 2D · CDI · JPEG XS
Live, via AWS MediaConnect	Zixi · RIST (flows set up by Nimbus)
Live input loss	Automatic switch to a backup input or the emergency playlist, back to live when the signal returns. Alert sent.
Recording	Record live feeds into the library as standard assets, ready to schedule as repeats.
Latency	Typically 2-5 s from live input to output (SRT in, SRT/TS out). HLS outputs add segment buffering.
File sources	S3-compatible storage · SFTP · custom MAM/CMS integration
Video codecs	MPEG-2 · H.264/AVC · H.265/HEVC · XDCAM HD · ProRes 422/4444 · XAVC · JPEG XS
Containers	MXF · MOV · MP4 · AVI · MPG · M2TS · M2V
Asset types	Video, audio, subtitles, graphics, XML and other metadata.

Outputs

Per channel	Multiple outputs, each with its own encoder settings.
Native	UDP · RTP · RTP-FEC · RTP-FEC 2D · dual-path RTP · SRT caller/listener · RTMP push/server · HTTP · HLS · HLS push · ABR HLS · CDI · JPEG XS
Via AWS MediaConnect	Zixi push/pull · RIST

Video

Encoders	H.264/AVC · H.265/HEVC · MPEG-2
Resolution	SD · HD · UHD · up to 60 fps · progressive or interlaced
Sampling	8 or 10-bit · 4:2:0 · 4:2:2 · 4:4:4
Aspect ratio	16:9 · 4:3
Transport stream	Configurable PIDs and program number.

Graphics

HTML5	Chromium-based renderer on the playout, at output resolution with alpha. Several layers at once. Pages can pull live RSS or JSON, or take data from the schedule or API.
Static and dynamic	Logos, lower-thirds, tickers and captions, with text driven by playlist or asset metadata (XML, sidecar).
Animation	MOV (QuickTime)
DVE	L-shape · credit squeeze · picture-in-picture, triggered from the schedule or API

SCTE-35 and signalling

SCTE-35	From the schedule or API, on TS-based outputs (SRT, UDP/RTP, HLS, MediaConnect). 1-4 pre-roll markers per output.
Content advisory	V-Chip

Subtitles and captions

Output	CEA-608/708 · DVB bitmap · WebVTT (HLS) · burn-in · ARIB B24/B40
Input	SRT · STL · CAP · VTT · SBV · SUB · MCC · SCC · Cavena 890 · PAC
Conversion	30+ caption formats converted at ingest.

Audio

Encode	AAC · AC-3 stereo, up to 16 tracks · E-AC-3 (Dolby Digital Plus) 5.1+
Passthrough	AC-3 · E-AC-3 · Dolby E · PCM (SMPTE 302M) in TS
Loudness	EBU R128 · ATSC A/85 · custom level

Support and buying

Support	24/7 by email helpdesk and phone, on every plan. SLA on Enterprise.
Plans	FAST · Standard · DR · HA · Enterprise
Terms	FAST and Standard are pay-as-you-go with no lock-in. Prices at veset.tv/pricing.
Buy	Self-service portal at accounts.veset.tv, or AWS Marketplace.
Trial	7 days, all features including the REST API and MCP. No credit card.

See Nimbus in a live demo.

A 30-60 minute online demo covers the whole workflow, from ingest to outputs.

Book a demo
veset.tv/request-for-demo

Start a trial
veset.tv/free-playout-software

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