

# TV Automation as a Service

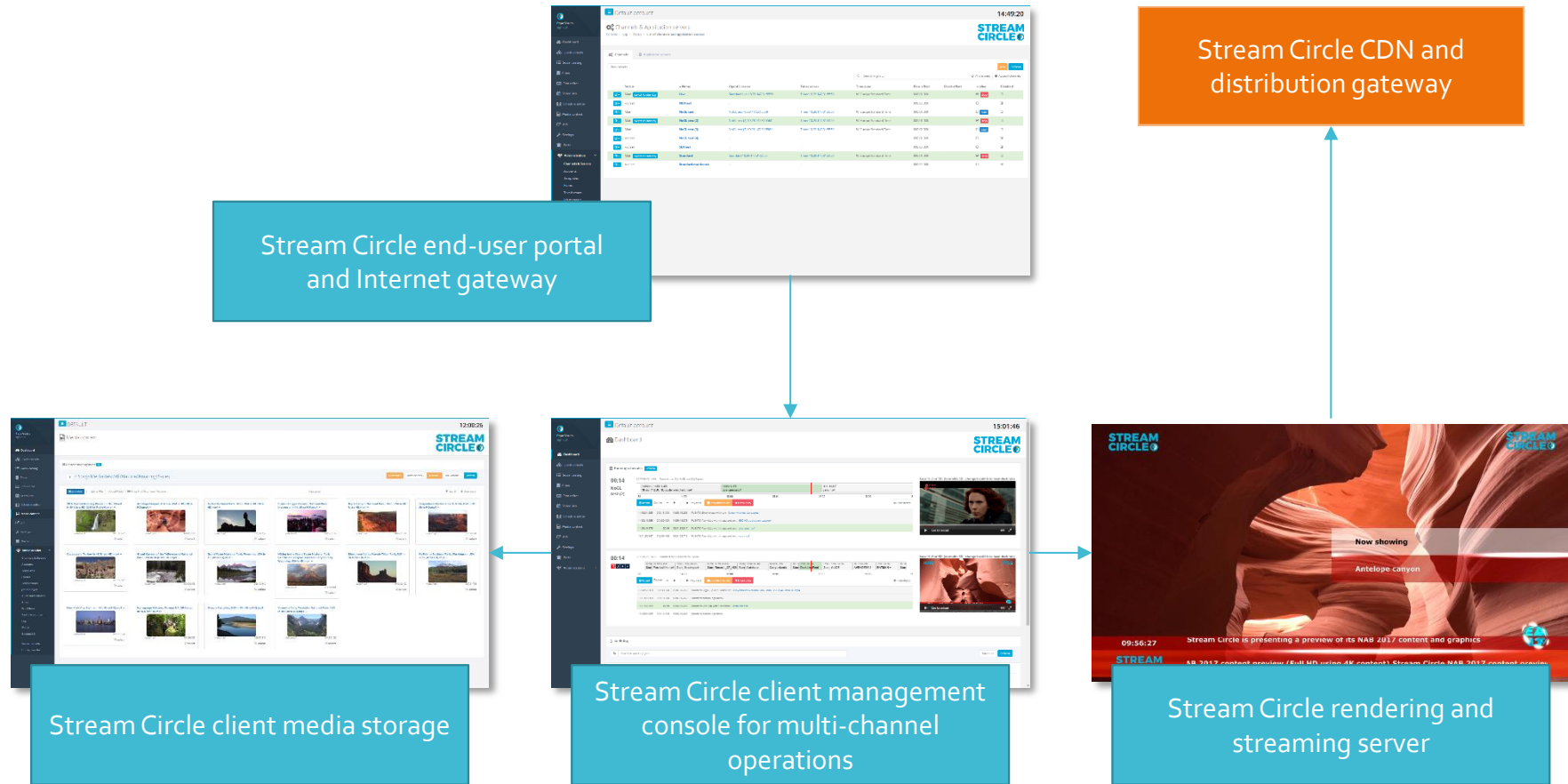
**STREAM  
CIRCLE** 

# What is Stream Circle

- Stream Circle is a software platform for small and mid-sized channel automation (TVaaS)
- Stream Circle includes
  - Template based scheduling, content management
  - File and live feed payout (including SDI)
  - DVE effects, animated 3D graphics, texts, HTML5
  - Vizrt graphics engine integration
  - IP, DVB (TS), NDI, SDI delivery and integration
  - Social network integration in&out (Twitter, Facebook)
  - Integration APIs (traffic, MAM, ad-sales, reporting)
- Stream Circle runs
  - as an on-premise installation (by a partner or a client)
  - in a Stream Circle data center in Prague
  - in an IBM/Amazon/Google cloud



# Stream Circle has a true cloud architecture



# Content management and planning functions

- Content metadata editing
- Ingest via an application, FTP and other delivery
- Network storages, watch folders, placeholders
- Workflows for ingest, low-res, transcoding
- Soft segmentation and trimming
- Primary and secondary event rule based planning
- Block planning
- Time windowing support
- Plan backup
- Live play-list editing
- Statistics, searching and multi-event operations



Stream Circle is offering easy to use end user environment

The screenshot shows the 'Event console' interface. At the top, it displays '12:02:44' and the 'STREAM CIRCLE' logo. A central weather widget shows 'TODAY 18°C Cloudy', 'TONIGHT 9°C Rainy', and 'TOMORROW 14°C Partly cloudy'. Below this, there are sections for 'Event console', 'Event details', and 'Event schedule'. The 'Event details' section includes a table with columns for 'Start time', 'End time', 'Event name', and 'Status'. The 'Event schedule' section shows a list of events with their respective start and end times.

The screenshot shows the 'Media content' interface. It features a grid of video thumbnails with titles such as '2016 Record Breaking Places on Our Planet in 4K Ultra HD', 'Arches Canyon, Arizona, USA in 4K Ultra HD', and 'Anasazi National Park, Utah, USA in 4K Ultra HD'. The interface includes a search bar, filters, and a sidebar with navigation options like 'Dashboard', 'Event console', and 'Media content'.

The screenshot shows the 'Plan editor' interface. It displays a list of video segments with their respective start and end times. The segments are organized into a timeline. The interface includes a search bar, filters, and a sidebar with navigation options like 'Dashboard', 'Event console', and 'Plan editor'.

The screenshot shows the 'Templates' interface. It displays a grid of video thumbnails with titles such as 'Standard opening scene Live', 'Standard opening scene Clip', and 'Standard opening scene Clip - Live'. The interface includes a search bar, filters, and a sidebar with navigation options like 'Dashboard', 'Event console', and 'Templates'.



# Stream Circle play-out supports schedule and live operations

- Single play, looping play, timed play
- Template based primary events and digital video effects
- Picture-in-picture and split screen events
- File media based and live feed events and overlays
- Background audio
- Native 3D graphics, HTML5 graphics
- Adobe animate and Vizrt graphics integration
- SDI, NDI, MPEGTS/UDP outputs





# Stream Circle offers advanced graphics options

**STREAM CIRCLE**


**Alien Covenant**  
Alien Covenant Official Trailer - 20th Century FOX

**AVENGERS INFINITY WAR**  
AVENGERS INFINITY WAR Official Trailer (2018) Marvel Movie

**COBRA KAI**  
COBRA KAI (2018) Karate Kid Sequel

**STREAM CIRCLE**

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**AVENGERS INFINITY WAR**  
AVENGERS INFINITY WAR Official Trailer (2018) Marvel Movie

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**AVENGERS INFINITY WAR**  
AVENGERS INFINITY WAR Official Trailer (2018) Marvel Movie

**STREAM CIRCLE**

Coming next  
**COBRA KAI**



**FTZ**

**STREAM CIRCLE**



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COBRA KAI (2018) Karate Kid Sequel

**STREAM CIRCLE**

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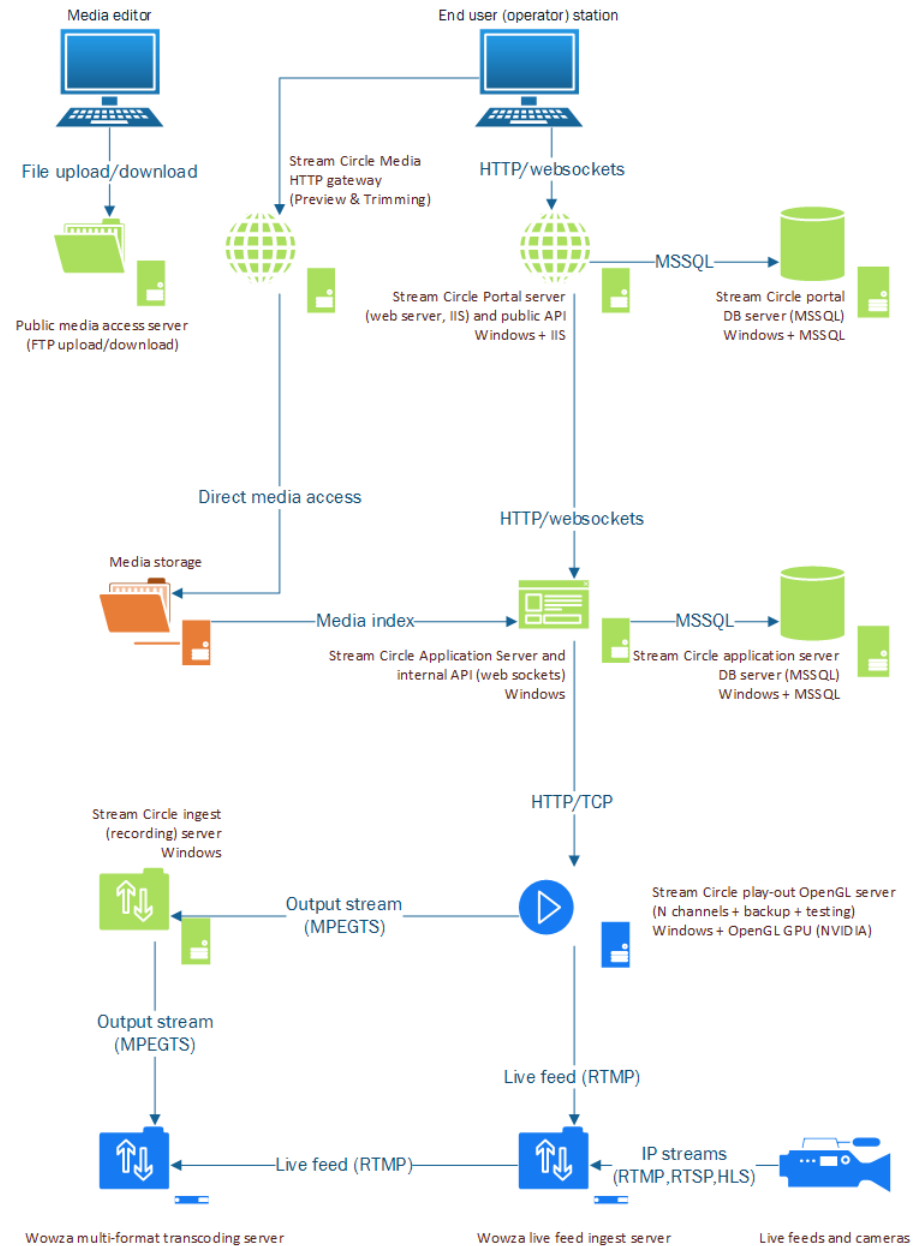


**FTZ**

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# Stream Circle architecture features



- Ready to be virtualized on all levels
- Protection and security
- No single point of failure
- Database independent playout microservices
- Distributed workflow support
- Redundant playout server support
- API on two levels - public and private

