



panaccess

**Panatrix**

# Panaccess

Panaccess is a global vendor for conditional access, subscriber management and content distribution solutions. Network sizes vary from small closed hospitality networks to big cable, terrestrial, IPTV or satellite TV operators.

Panaccess has more than 150 installations in over 40 countries worldwide and has representation in close to 20 countries all over the world. Panaccess can offer a complete turnkey solution or a customised platform to suit any need that an operator or broadcaster might have.

# Panaccess

- Visionary experts of DVB Security and Pay TV operation
- Hardware and software expertise
- 13 years conditional access in-depth experience
- Strong and reliable partnerships
- Owned & financed by its founders, no pursuit of institutional strategies
- Strong financial position

# Technology

- Professional CAS
- One-/ two-way DRM
- Broadcast DVB Security
- IPTV/OTT Security
- Chipset pairing
- Copy protection
- Industry leading security, certified by Farncombe

# Products

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CAS/DRM	Professional CA System for DVB/IPTV/OTT
HeadControl	Standard CA System for DVB/IPTV
CableView	CAS configuration, subscriber management
DVB Scrambler	Auto-configuration, DVB Simulcrypt compliant
Smartcard	Advanced crypto-controller
Embedded	High sophisticated software security kernel
SpoolNik	EPG/SI Spooler
Panatrix Cloud Streamer	Content contribution via Internet Cloud

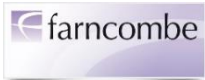
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# References

- Neterra/Bulgaria
- ACTV/Nigeria
- Magticom/Georgia
- Satelio/Germany
- Ananguera Educacional S.A. in Brazil
- Kudu2/Papua New Guinea
- Crystal TV/Ghana
- MultiChoice/Numerous African countries

# Certifications and approvals

The most important thing for an operator or broadcaster is to have the rights to distribute the right content in the network or platform. Many times the premium content is the key to the success for the operations and to get the distribution rights for premium content such as TV series, movies and sport events. This means that the operator/broadcaster need to have a content security system that are approved by the content providers. This is the reason why Panaccess spend so much time and resources to become approved by all the content providers. Below you can find a list of the providers that are currently approving Panaccess for re-encryption of their material.



Farncombe is an independent testing institute based in the UK and is used by all the leading broadcasters and operators to make sure there operations are based on sound and safe practices.

Panaccess is using Farncombe continuously for testing of the security level and to get an independent audit of the company and the products.

Panaccess has received the highest security rating from Farncombe which ensures us that our system will not leak information and will be a safe protection against piracy.



HBO is home to the most talked about programs on television - from ground breaking series, films, documentaries and sports to the biggest blockbuster movies available anywhere. HBO is also the strictest partners when it comes to security and has a leading role when it comes to demanding high security levels.

Panaccess is approved by HBO for re-encryption of HBO material on all markets and all platforms.

# Certifications and approvals



MultiChoice activities involve the operation of Pay-Television and internet subscriber platforms. The MultiChoice South Africa group includes the digital satellite Pay-Television business DStv, which has been in operation since 1995. MultiChoice is the most important content providers across sub-Saharan Africa with brands like Super sport, Mnet and GOtv.

Panaccess are one of the few CAS/DRM providers that are approved by MultiChoice to re-encrypt their material on any DVB or IP platform which give the Panaccess customers a unique opportunity to monetise on their networks.



Warner Bros. is one of the major film studios in the world, it is a subsidiary of Time Warner. Warner Bros. has several subsidiary companies, including Warner Bros. Pictures, Warner Bros. Interactive Entertainment, Warner Bros. Television, Warner Bros. Animation, Warner Home Video, New Line Cinema, Castle Rock Entertainment, DC Entertainment.

Panaccess is approved by Warner since 2014 to re encrypt any Warner material on any network around the world by operator request.



# Cloudstreamer Panatrix

The Panatrix Cloud DVB Streamer takes any DVB-IP compatible single or multi program transport stream (SPTS/MPTS) source and smoothly streams it to any cloud service. Any Cloud DVB streamer could act as either transmitter or receiver.

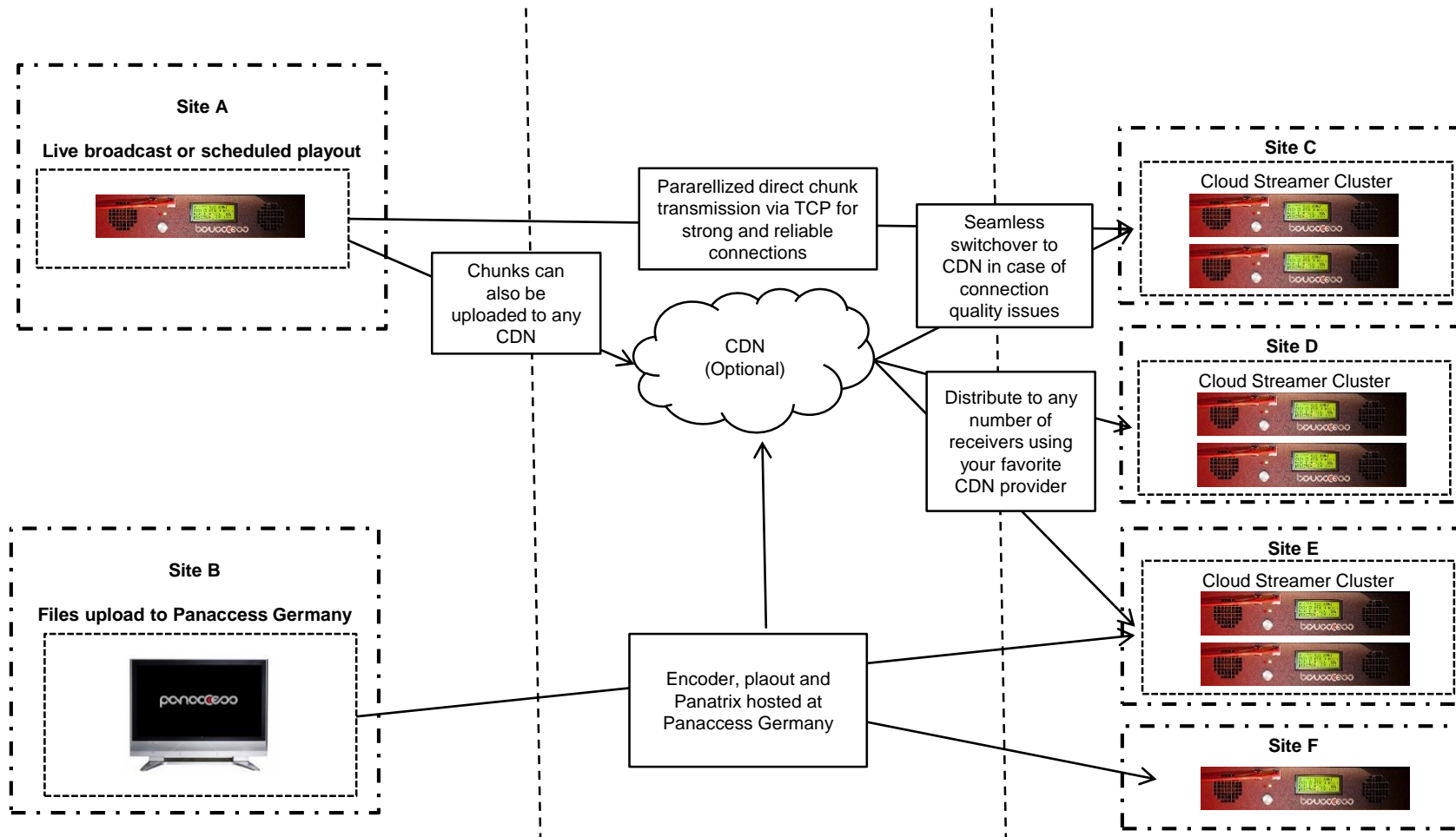
The Panaccess's high-end Content Contribution Solution does not need a dedicated leased line or satellite link in order to provide uninterrupted the signal at the receiving side. Our solution will help you lower your OPEX, due to the fact that the price for the Internet access is going down, while the price for dedicated leased lines is remaining almost flat over time.

Any existing cloud service provider could be used to transport the live video feed from a studio or any other content provider to the broadcaster

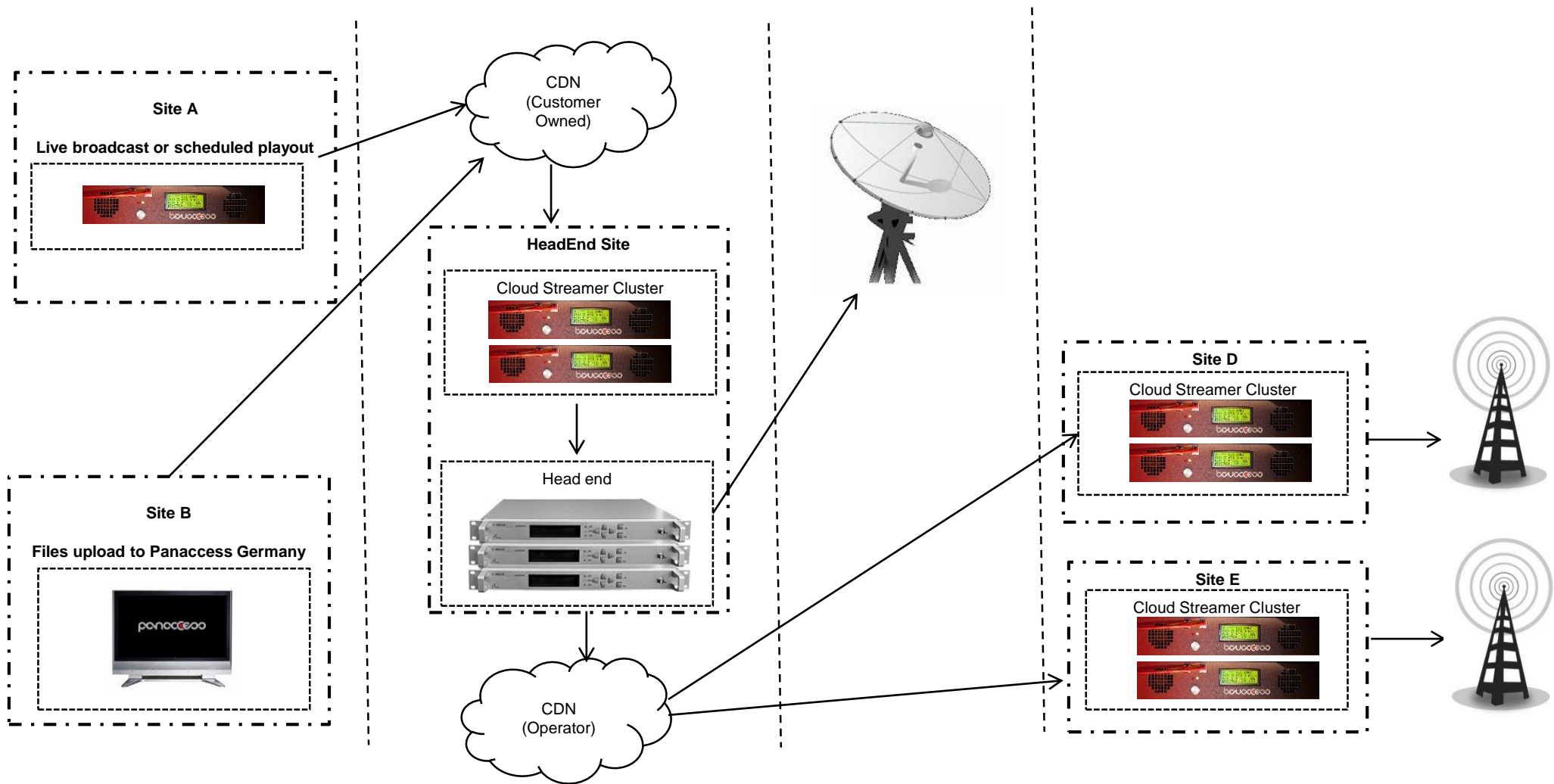
# Cloudstreamer Panatrix

- Very high availability
- Cost-effective
- High scalability for point to multi point and reversible traffic
- One contributor to many distributors and vice versa
- Any quality or number of video streams
- Depending on the used CDN provider global contribution is possible e.g. from Kenya to Germany
- Secure transmission using Panaccess's renowned and certified encryption system.
- Fully DVB compliant, packet loss and jitter resilient transmission.
- Error correction of lost packages
- SPTS and MPTS transmission independent from the used encoding.
- Unicast or multicast
- Stand alone HW/SW or hosted service
- Optimised for UDP Video
- Customised HW to suit bandwidth needs

# Cloudstreamer Panatrix



# Cloudstreamer Panatrix



# Playout

The Panaccess playout server can be run on any PC based computer and has an easy to use GUI. You can use the playout to upload video files, schedule playout and make ad insertions.

play TV Scheduler  
7/7/2015 11:39:15 AM

<< Prev Today Tuesday 7 Jul 2015 (today) Week View Next >>

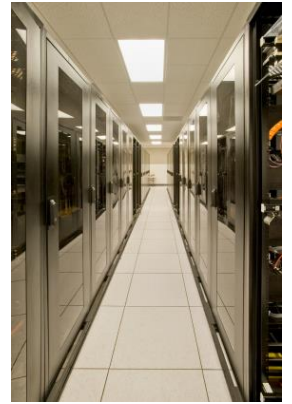
02:03:05/02:27:26 - GC HERITAGE DAY 4.mp4

00:00 01:00 02:00 03:00 04:00 05:00 06:00 07:00 08:00 09:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00

Playlists Add Item

Type	Filename	Start	End	Duration	Control		
file	FILLER 11.mp4	00:36:15	00:36:45	30 sec	Edit	Add After	Delete
file	GC HERITAGE DAY 4.mp4	00:36:46	03:04:12	147 min	Edit	Add After	Delete
file	CONCERT SONGS COLLECTION PART 12A.mp4	03:04:13	03:48:13	44 min	Edit	Add After	Delete
file	FILLER2.mp4	03:48:14	03:56:24	8 min	Edit	Add After	Delete
file	STORIES SABBATH KEEPER ABSENT WITNESS.mp4	03:56:25	03:59:59	4 min	Edit	Add After	Delete
file	SRM Ps Papu Babylon.mp4	04:00:00	05:01:43	62 min	Edit	Add After	Delete
file	SING ALONGS-AS THE DEARE.mp4	05:01:44	05:06:19	5 min	Edit	Add After	Delete
file	SING ALONG-Arise my soul Arise.mp4	05:06:20	05:09:06	3 min	Edit	Add After	Delete
file	SING ALONG-Beyond sunset.mp4	05:09:07	05:12:01	3 min	Edit	Add After	Delete
file	SING ALONG-Come thou fountain.mp4	05:12:02	05:15:43	4 min	Edit	Add After	Delete
file	STORIES PILGRIMS SOCIETYNWALINAPOSTOL.mp4	05:15:44	05:29:11	13 min	Edit	Add After	Delete
file	FILLER 27.mp4	05:29:12	05:29:42	30 sec	Edit	Add After	Delete
file	Ps Mabenge Part 2.mp4	05:29:43	06:10:48	41 min	Edit	Add After	Delete
file	CONCERT-SONGS COLLECTION-PART 1A.mp4	06:10:49	06:38:42	28 min	Edit	Add After	Delete

# Integrated head-end vendors



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