

Purpose

The CAS BradburyLab system is responsible for protecting the broadcast content from unauthorized access by issuing keys to encrypt and decrypt the content and is responsible for allowing the user to display the requested content according to the set parameters.

Who is it for:

Telecom and media companies, service providers, TV, IPTV and OTT service providers.

Key features:

- Content protection for IPTV and OTT (UDP, HLS etc.);
- Monitoring solutions integration via SNMP or API (e.d Zabbix);
- Inside/Outside users' request processing with request source identification;
- Content access permission check (depending on valid subscriptions, multiple sessions, country of origin, VIP parameter);

Advantages of CAS BradburyLab

Made in Russia: From inception to implementation

CAS BradburyLab is made in Russia from inception to implementation, which makes the solution more cost efficient in comparison to its foreign competitors.

Versatility

CAS BradburyLab has a built-in content encryption mechanism for IPTV and OTT (supports “adaptive streaming”) for all content types;

Flexible and scalable solution

Depending on territory coverage and amount of content solution provides encryption for small, medium and large amount of subscribers. Single time encryption is performed throughout the CDN infrastructure.

High security standards

Exchange of encryption/decryption keys between the repository, encoding servers and the end subscriber devices completely disables outside access by unregistered users.

Compliance with latest encryption standards

All industry standards for ensuring reliable multi-platform content protection are supported.

Solution description

Key functionality

- Individual rights for content decryption;
- Supports secure IPTV and OTT broadcast;
- Content watch time limitations;
- All content rights are shared between all devices of one subscriber;
- Supports “Family sharing”: content playback on several devices with necessary permissions;
- Offline playback;
- Supports free previews: small content parts for reference only;

Tech specs:

Digital certificates	X.509
Monitoring system	Integration with monitoring solutions via SNMP or API (Zabbix, etc)
Video encoding	MPEG-2, MPEG-4/H.264, HEVC/H.265, etc. (regardless of file format)
Management & control	Native web-interface for admins
Broadcasting protocols	MPEG-2 Transport Stream/HTTP Live Streaming
Content encryption	128-bit AES. DVB-CSA
Head-end integration	HTTP API
Supported devices	Broadcast/hybrid/ip STB, mobile apps iOS and Android, SmartTV

BRADBURY

info@bradburylab.com
www.bradburylab.com