

Connected Sentinel Player

Secure Video Distribution for Connected Devices

SECURITY



viaccess-orca

In today's era of diversity and mobility, a wide variety of connected mobile devices exists and continues to grow. Consumers can choose what to watch, where to watch and which device to use, hence complicating the task of protecting and securing the delivery of premium content.

Content Protection Challenges

Content service providers aim to focus on the differentiation of their service in terms of content and quality of experience on multiple platforms. Digital rights management (DRM) is required to protect premium video-on-demand (VOD) and live content, streamed or downloaded.

Short Time to Market

Ensure rapid integration with TV applications, and get a fast approval from the studios for content sourcing.

Future Proof Deployment

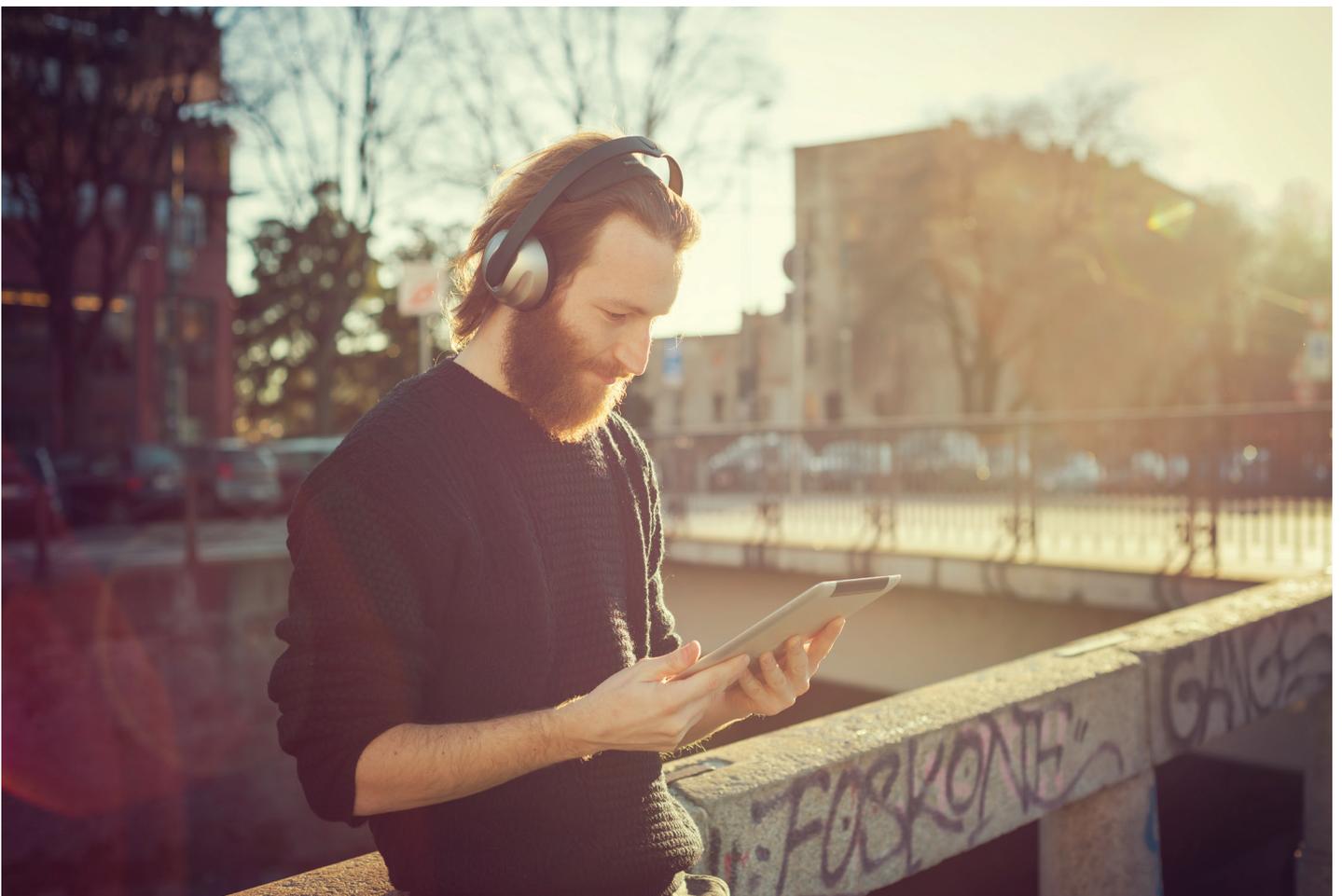
Ensure periodic and consistent security upgrades and evolution towards new codecs.

Device Heterogeneity

Enable delivery of uniform and compelling viewer experiences across multiple platforms such as smartphones, tablets and operating systems.

Interoperability Issues

Minimize the impact on planning and interoperability issues for service providers by selecting a player that is deployed with a wide range of equipment such as encoders and video servers from 3rd party vendors.



Viaccess-Orca Connected Sentinel Player

Connected Sentinel Player is a multi-platform media player that includes DRM for premium VOD and live content, whether streamed or downloaded, enabling a compelling viewer experience. It is available either with Microsoft® PlayReady® or with Viaccess-Orca's proprietary DRM. The solution is approved by all major Hollywood studios and enables service providers to deliver branded services to all types of connected mobile devices with a very short time-to-market. With Connected Sentinel Player service providers can easily focus on their service differentiation in terms of content and quality of experience, while Viaccess-Orca manages rising security issues.

Connected Sentinel Player Core Components

Extensible Playback Capabilities

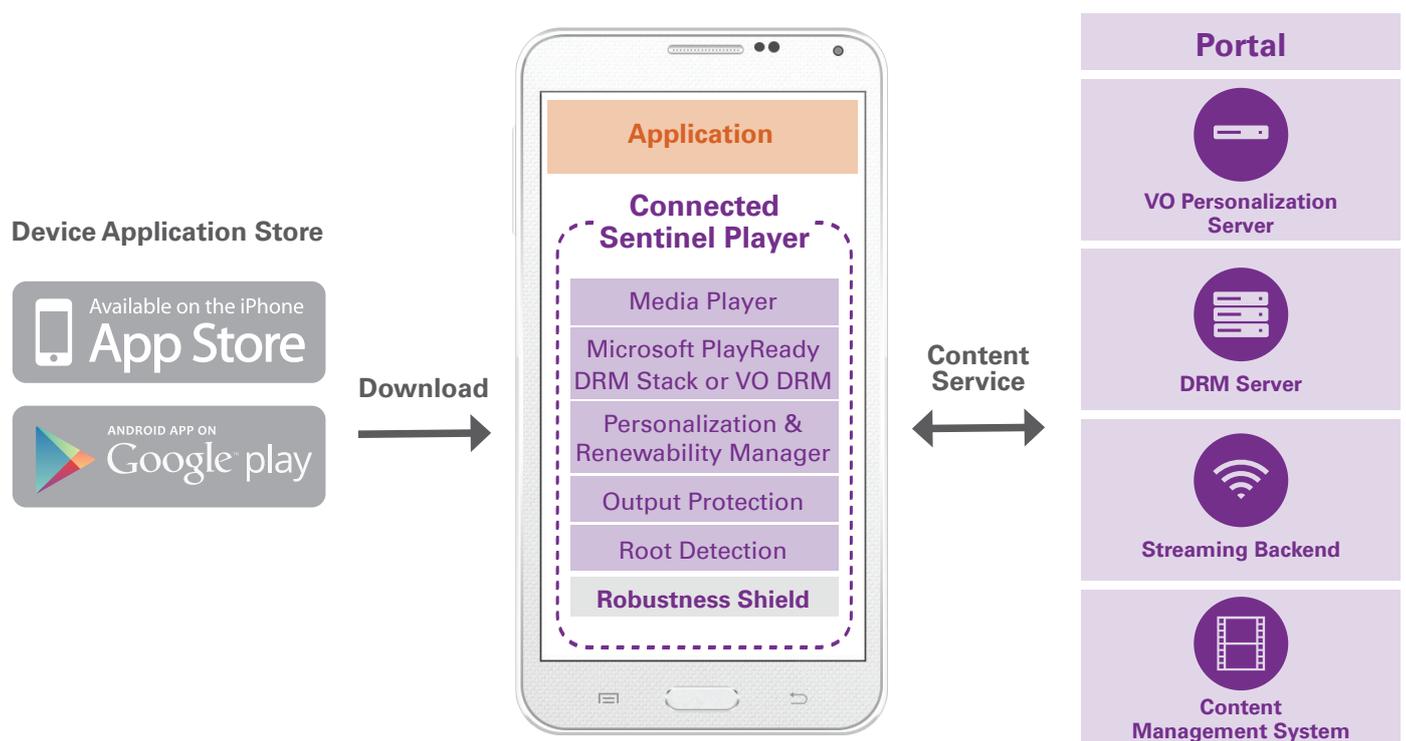
- Streaming protocols for Live and VOD: HLS, Smooth Streaming, and MPEG-DASH
- Progressive download and local playback: MP4, envelope MP4, and clear and protected ISMV
- Operating Systems: Android 2.3 and above and iOS 5.0 and above
- Hardware acceleration: Utilized when available on the device
- Closed captions and subtitles: CEA 608/708, WEBVTT, ISMT embedded (Smooth Streaming), and others
- Audio: Multiple tracks or languages

Anti-Hacking, Security and Robustness Shield

All components of the Connected Sentinel Player are protected with elements such as secure storage, encryption functions, sensitive code and data obfuscation, and code integrity checks. These technologies enable service providers to disable the application and revoke all content licenses in case of abuse or hacking. Security features include device rooting and jail-breaking detection, output protection level control and application personalization and registration.

Implementation and Deliverables

To ensure rapid implementation Viaccess-Orca provides detailed documentation including release notes, integration guides, building instructions and API help files. VO provides access to extended test suite containing a full range of protected content and licenses. The test suite is available to customers and related 3rd party vendors throughout the duration of the implementation.



Connected Sentinel Player Highlights



Immediately Expand Your Viewership

Deliver compelling content to 100's of millions of smartphones and tablets



Extend Your Brand

Easily integrated with existing applications and GUI, increase repeat business and retention and provide a high-quality, consistent, and seamless viewing experience



Superior Video Playback

Optimized for mobile devices



Support Most Common and Newest A/V Codecs

Enables a smooth migration to new codecs such as HEVC



Support Adaptive Bitrate Streaming

HTTP Live streaming, smooth streaming and MPEG-DASH



Quick and Easy Deployment

Through the Android Play or iOS iTunes® markets



Support Multiple Operating Systems

Supports all Apple iOS and all Google Android devices



Advanced Localization

Full localization support with subtitles and multi-audio



Content Owners Approval

Rapid approval process thanks to robust security



360° Security Approach

Focus on differentiating your service while VO monitors security and provides periodic upgrades



Extensive Quality Assurance

VO tests and monitors a continuously updated list of devices

