



Voyage TV Everywhere Solution

Unified Service Delivery Platform
in a Multi-Screen Environment

END-TO-END



viaccess.orca

As a content service provider, you must rise to meet new challenges of the multi-screen world. From content preparation to delivery and consumption – you need to be in the driver's seat when it comes to your customers' experience. With Viaccess-Orca (VO) Voyage solution, content services providers are empowered to drive engagement, deliver personalized services and promote customer loyalty.

TV Everywhere Challenges

Adapting to diverse environments -

In a multi-screen environment, technical and operational requirements vary greatly between devices. To deliver the optimal customer viewing experience, you need to manage a wide variety of video file formats, codecs, resolutions, operating systems and more.

Protecting premium content and managing digital rights -

With the added complexity of multi-screen content agreements, which cover both managed and unmanaged networks, device-based asset rights management & updating, can be complex and time consuming. Over-the-top (OTT) services and the proliferation of retail CE devices make it also increasingly difficult to protect premium content.

Promoting engagement - Viewers are overwhelmed by endless content and viewing choices across multiple devices. The traditional program guides are overloaded with information yet lacking personalized relevance.

Monetizing multi-screen experiences -

Most operators introduce a TV Everywhere solution as part of a long-term strategy, leading to revenue opportunities in the future. Effective business models are the main barrier now.

VO Voyage

VO's Voyage solution supports content preparation and distribution over managed and unmanaged over-the-top networks, from a single, centralized point. This approach simplifies management and accelerates new service roll out.

VO's solution includes Connected Sentinel, a robust Digital Rights Management solution, which enables content service providers to securely deliver premium content to all devices, enforce service business rules and easily comply with the growing variety of content rights distribution restrictions. Ongoing content security is provided through continuous piracy monitoring and proactive security upgrades.

In order to deliver a highly engaging, personalized viewing experience across all devices, VO's Voyage includes a powerful, proprietary Content Discovery solution.

VO's flexible solution enables content service providers to introduce a variety of advanced business models, complying with content owners' requirements and allowing effective monetization for a multi-screen service.



Viaccess-Orca Voyage

Viaccess-Orca Voyage is a comprehensive solution enabling content service providers to securely deliver premium live and on-demand content to a multi-screen environment.

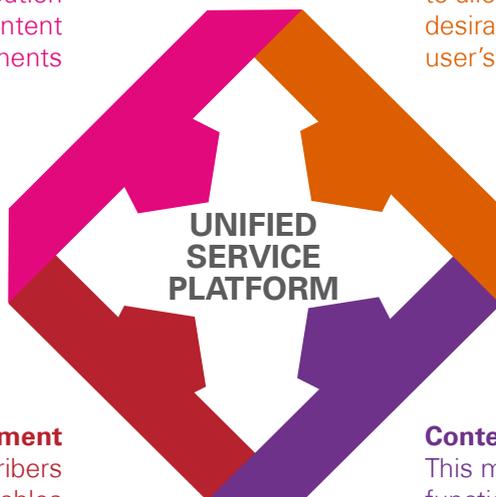
On the head-end side, the solution is based on VO's Unified Service Platform. On the client side, VO's Connected Sentinel Player, part of VO's Connected Sentinel, and TV Everywhere Apps provide ease-of-use, advanced functionality, content protection and rights management.

Content Management

This module prepares content in various formats; manages video and metadata assets, content distribution and publishing, while meeting content owners' requirements

Content Discovery

This module uses advanced algorithms of search, recommendations and exploration to allow TV operators to recommend desirable content and personalize each user's experience in an engaging way

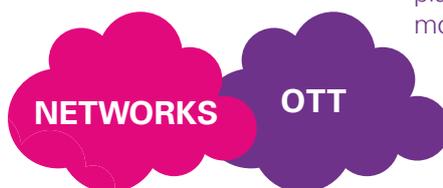


Business Management

In addition to managing subscribers and their devices, this module enables customer service operations and management of varied business models, as well as offers reports and Subscriber User Interface (SUI) analytics

Content Protection

This module addresses a variety of security functions from the back office to the user's screen, including content encryption, device authentication and license management, continuous network monitoring for piracy, and parental control features. Voyage includes the Connected Sentinel platform, a scalable, high-availability DRM backend platform supporting multiple business models

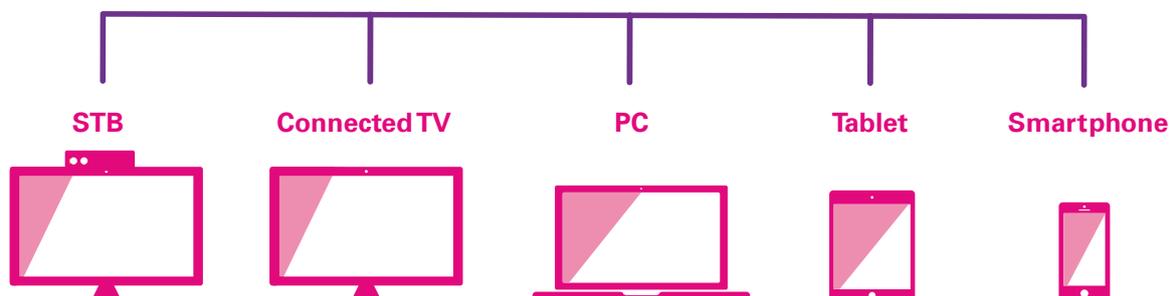


Voyage Apps

The apps deliver a personalized, secured TV experience to users through multiple devices. By harnessing the power of the Unified Service Platform, the apps provide a consistent user experience and form the TV Everywhere solution front-end

Connected Sentinel Player

This secure application provides an embedded media player with DRM capabilities. Packaged as an SDK, the player can be easily customized and branded. It supports a wide range of connected devices including smartphones and tablets based on iOS or Android



Voyage Highlights



Multi-Screen TV

Deliver premium content across managed and unmanaged networks to connected devices including iOS and Android based smartphones and tablets



Streaming

Support the latest adaptive streaming technologies including HTTP Live Streaming (HLS) and Smooth Streaming, as well as MPEG-DASH standard which is a major breakthrough helping providers decrease streaming complexity and cost in the most secure, efficient way possible



Content Protection & Rights Management

Support multi-DRM solutions including Connected Sentinel DRM, OMA DRM, PlayReady and WMMRM



Seamless User Experience

Consistent across devices including seamless pause-resume functionality that allows users to start watching on one device and continue from another. Settings, favorites, wish lists, recording and user preferences are maintained on all devices



Business Models

Create an extensive offering of live & on-demand services to engage subscribers and attract occasional users



Personalize

Present personalized content recommendations. Allow users to create a personal profile with preferences



Promote Social TV Activity

Leverage personal recommendations and gift-certificates to promote engagement, attract new customers and grow your business



Navigation

Introduce advanced search and explore capabilities to make finding content simple and easy



Brand Awareness

Leverage our SDK API's to develop your own user interface and promote your brand