



AXINOM MOSAIC



AXINOM
MOSAIC

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WHY AXINOM MOSAIC?

Axinom Mosaic is a unique platform that standardizes all significant steps in the digital content workflows through independent yet connected services.

Mosaic decouples content workflows and converts them into independent services or modules that fit together. The services integrate via frontend and backend libraries and with external services through supplied APIs.

The micro-frontends approach allows the platform to provide a standard UI/UX throughout all services. The method also greatly benefit editor experience and allows for interoperability and rapid development.

The platform can manage all content types, metadata, and services, making it an ideal solution for building media and OTT platforms or digital transportation applications.

The capabilities of Axinom Mosaic include automated workflows for the digital supply chain, content ingestion, encoding/transcoding with DRM, metadata management,

user authentication, content synchronization, secure multi-channel delivery to all types of end-user devices, and service orchestration and deployment.

With Mosaic, we provide a seamless and automated way to integrate various interfaces and services out-of-the-box, either with existing Axinom products, services, or third-party systems.



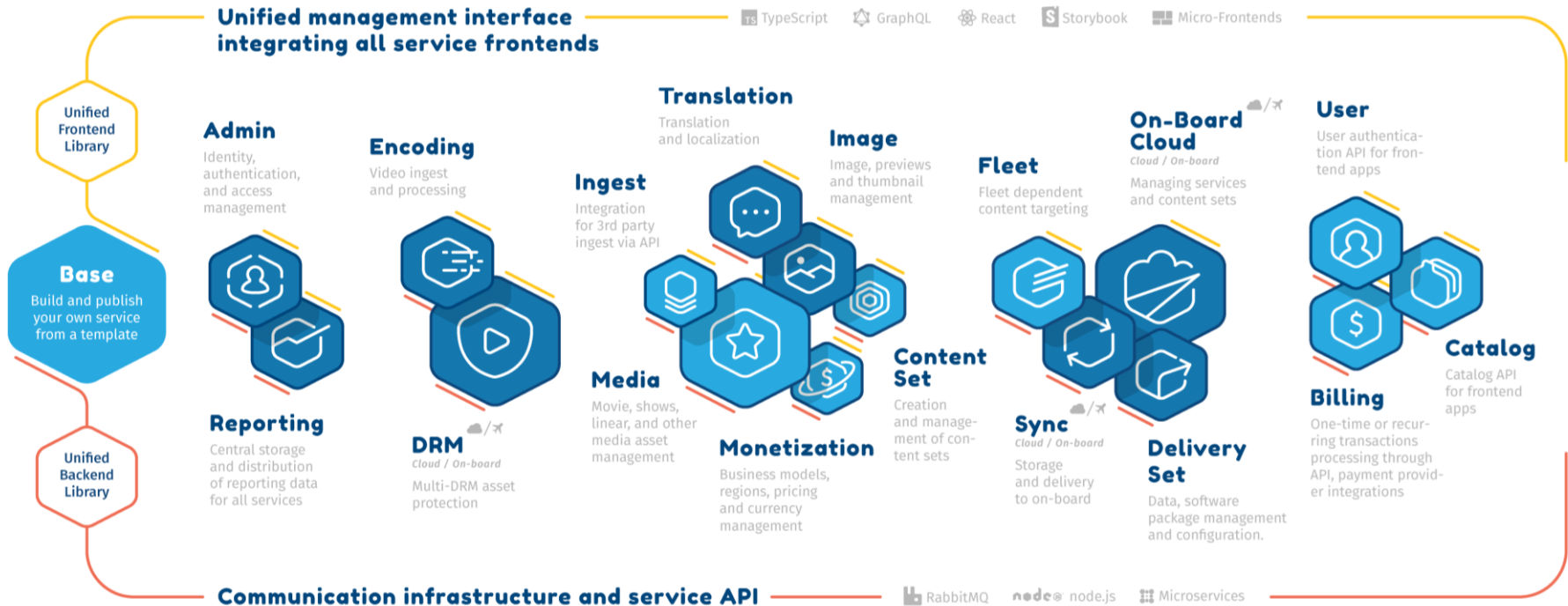
“Axinom Mosaic is the ultimate platform that lets you create amazing digital solutions in no time. We’ve built the hard stuff, so you can build with ease. Mix and match exactly what you need, and scale as you grow.”



Ralph Wagner, CEO



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Managed Services

The standardized services that fulfill critical requirements for digital content workflows.

Customizable Services

The bespoke services that can be modified to meet individual workflows.

UNIQUE FEATURES

Take control of your digital supply chain with a centralized hub for ingesting, managing, packaging, securing, and publishing all types of digital assets and services.

Axinom Mosaic works for a wide variety of applications and industries, from streaming platforms for media to in-flight entertainment or IoT systems. All content or data-oriented applications are supported by the Mosaic platform.

Service Oriented Inside Out

[No more complex monoliths](#)

Break-free from the monoliths and progress to an agile approach based on microservices and micro-frontends. The novel approach saves efforts in development, operations, and maintenance.

Freedom to Choose, Buy, and Build

[Build as you want](#)

No choosing between buying or building, no high fixed costs, no rigid bundles. We have done all the heavy lifting, so that you have the freedom to mix and match services and pay as you go.

API-first for Integrations

[Reliable integrated ecosystem](#)

Integrate swiftly with other systems, services, or applications. The API-first approach allows you to interface all own or third-party systems, while serving multiple platforms and devices.

UNIQUE FEATURES

In a growing market, we understand the need for constant innovation. Hence, the Mosaic platform grows with your growing requirements. It not only meets your need for extension, but also allows for bespoke and customized development.

Paired with an excellent tool stack, APIs, and a frontend library - you can tailor, build, and integrate unique scalable and extensive applications without any added development headaches.

Scale and Expand

[Scale the services as your platform grows](#)

The modular service-oriented approach allows you to replicate the services or deploy additional resources on the fly. So you can grow without hiccups as your audience grows.

Decoupled Frontend

[Independent backend and frontend for easier development](#)

Our unique architecture decouples the frontend logic from the backend to bring a standardized user-experience throughout, also benefiting development process enabling collaborative development.

Source to Explore

[Available source code, base template, and libraries](#)

Develop your own services or shape our customizable services to fit your workflows. Have bespoke services running in no time with the help of the source code and base template that is available for you to explore and develop upon.

MANAGED SERVICES

Standard services, offered either in cloud or on-premise, covering all major steps of your digital workflows.



Sign-up and manage stakeholders. Control roles, access, and environments of users across services.



Ingest, query, preview, manage, and transform images for editing and frontends.



Manage, deploy, and integrate software services and content on-board a transport vessel.



Ingest, encode/transcode videos utilizing technologies such as CMAF. (DRM supported)



Manage languages and create translations for your digital media assets.



Securely synchronize content and service data between on-ground and on-board servers with standardized protocols and channels.



Protect your digital video assets with a multi-DRM solution that can be implemented on cloud or on-premise.



Data, software package management and configuration.



Collect, visualize, and distribute logs and reports for all services.

CUSTOMIZABLE SERVICES

Services that can be customized and scaled to fit your bespoke workflow requirements and growing needs.



Securely ingest assets via API from 3rd party systems/storage with bulk capability.



Create and manage sets of TV shows, movies, linear channels, shop content for vessels, fleets, etc.



Sign-up end-users with user authentication APIs for all your frontend apps.



Manage video assets and metadata for TV shows, movies, linear streams, etc.



Target content sets, data, and service packages to a vessel or fleet of vessels.



Process TVOD, subscription transactions, and automatic billing through API and frontend integrations.



Create business models like AVOD, SVOD, TVOD, manage regions, pricing, and currencies.



Manage and display catalogs of video assets such as TV show seasons, movie genres etc., on frontend apps.

BUILD OR INTEGRATE OWN SERVICES

While Axinom Mosaic provides an array of standard and customizable services to choose from, we recognize the need for integrations of existing backend systems and bespoke workflows. Hence, we have developed a base template for you to build and publish your own services, reducing overall costs and efforts in development and integrations.

The provided base template, technology stack, and documentation allows you to develop bespoke services while the unified frontend and backend layer ensures that those services easily integrate with the other Axinom Mosaic services.

So, whether you want to build your own services for e-commerce or analytics, integrate your existing services like CRM, or expand in future with new services, you can now do so without any added hassle.



TECHNOLOGY STACK

Our modern approach is also supported by our technology choice. The service-oriented approach utilizes microservices and micro-frontends.

For hassle-free setup and easy collaboration between frontend and backend development process, Node.js and TypeScript has been utilized. Whereas GraphQL is used for the interface between frontend and backend. We also utilize RabbitMQ for inter-service communication.



node.js

Scalable and fast services that can handle simultaneous requests and connections.



TypeScript

Allows for quick and productive development with simplified debug capability.



GraphQL

Query and fetch content from multiple services, sources with fewer API calls.



RabbitMQ

Connect and communicate asynchronously between services with minimum system load.



React

Composing complex service UIs through an efficient and flexible JS library.



Micro-Frontends

Service frontends that are developed and deployed independently.



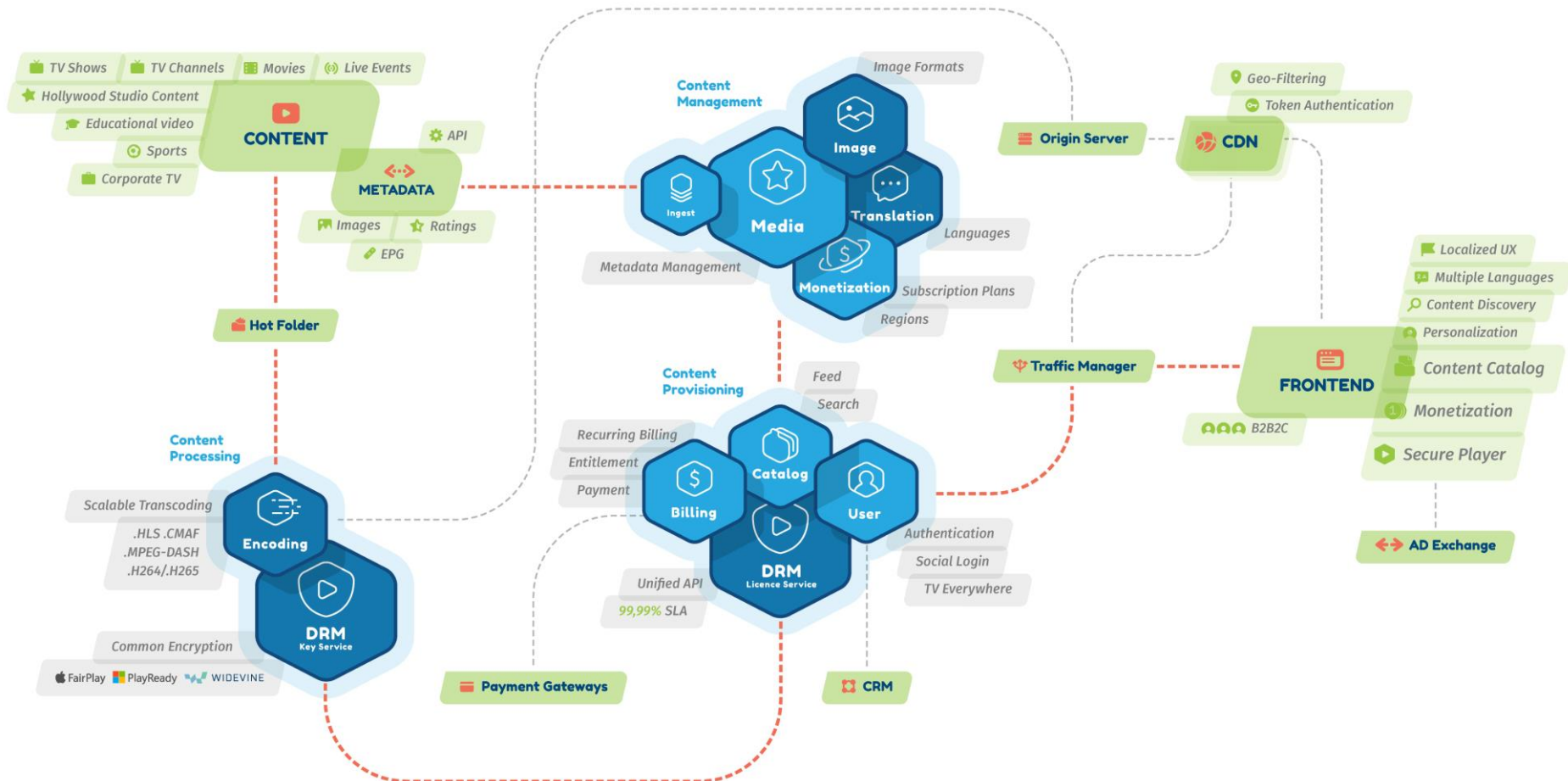
Microservices

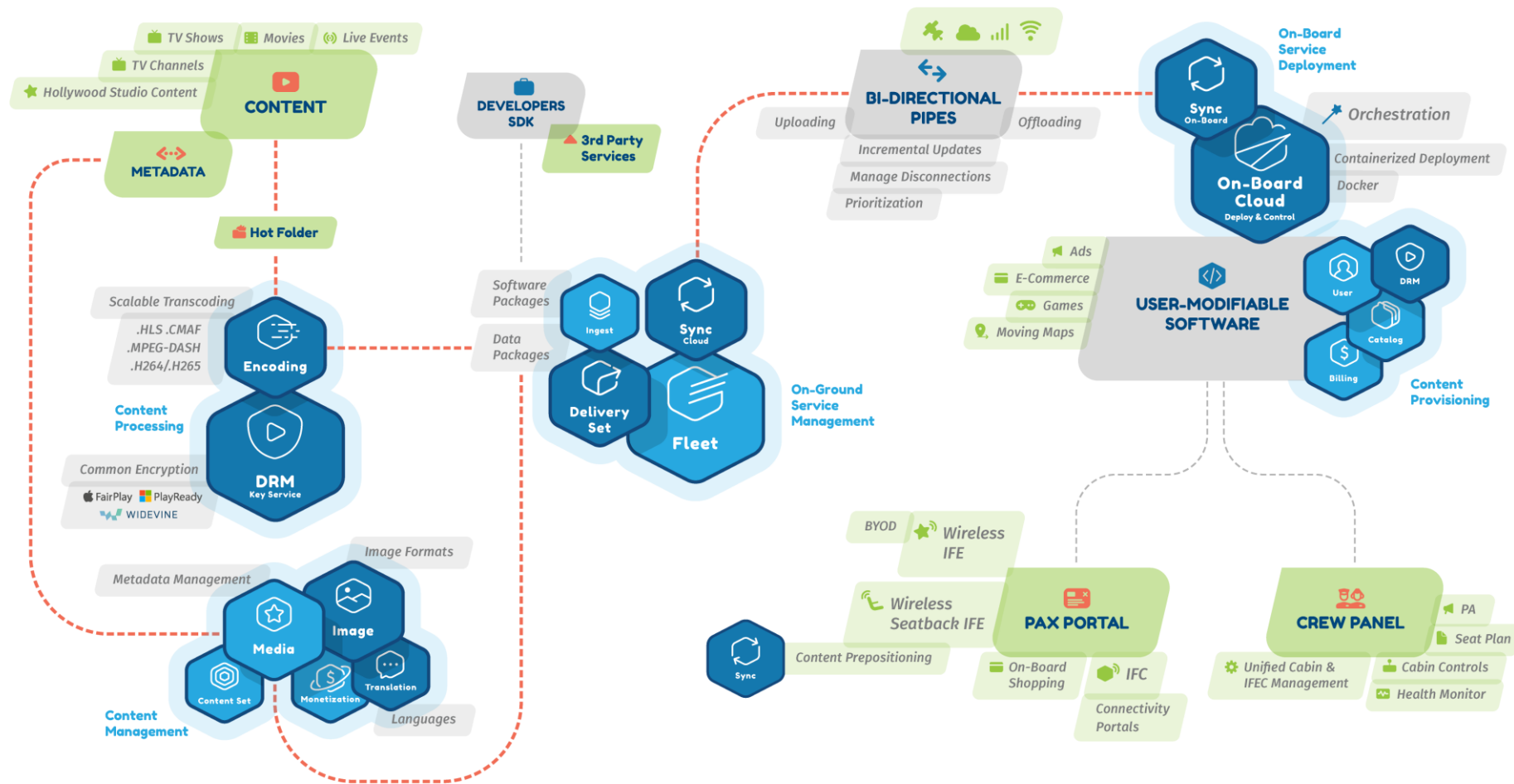
Fully decoupled services that allow API-first approach and effective scalability.



Storybook

Extensive library of UI components that enable development and testing of service interfaces on the fly.







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