Velocix Analytics

VELOCIX™

Video network analytics

Gain a deeper understanding of your video business with cloud-native analytics that provide key insights into your streaming platforms and viewing audience.

With Velocix Analytics, you can optimise video streaming efficiency and Quality of Experience, while also capturing consumer viewing behaviours and trends. Review data in near-real time to accurately predict capacity needs and more effectively respond to incidents. Boost revenues, save cost, and minimise subscriber churn, by unveiling actionable intelligence that can guide your planning activities, operations and business strategy.

Cross-platform video analytics
Gather detailed metrics about your video business by tapping into your CDN, origin, recording and advertising applications.

Near real-time data
Visualise data instantly, even at massive scaling levels. Take action quickly, before network issues impact subscribers.

Mobile-friendly user interface
Access information from anywhere, including on mobile devices and tablets, using cloud-native software technology.

Flexible dashboards, KPIs & alerts
Extract the data you need with custom reports and alerts that can span complex multi-operator system deployments.

VELOCIX ANALYTICS
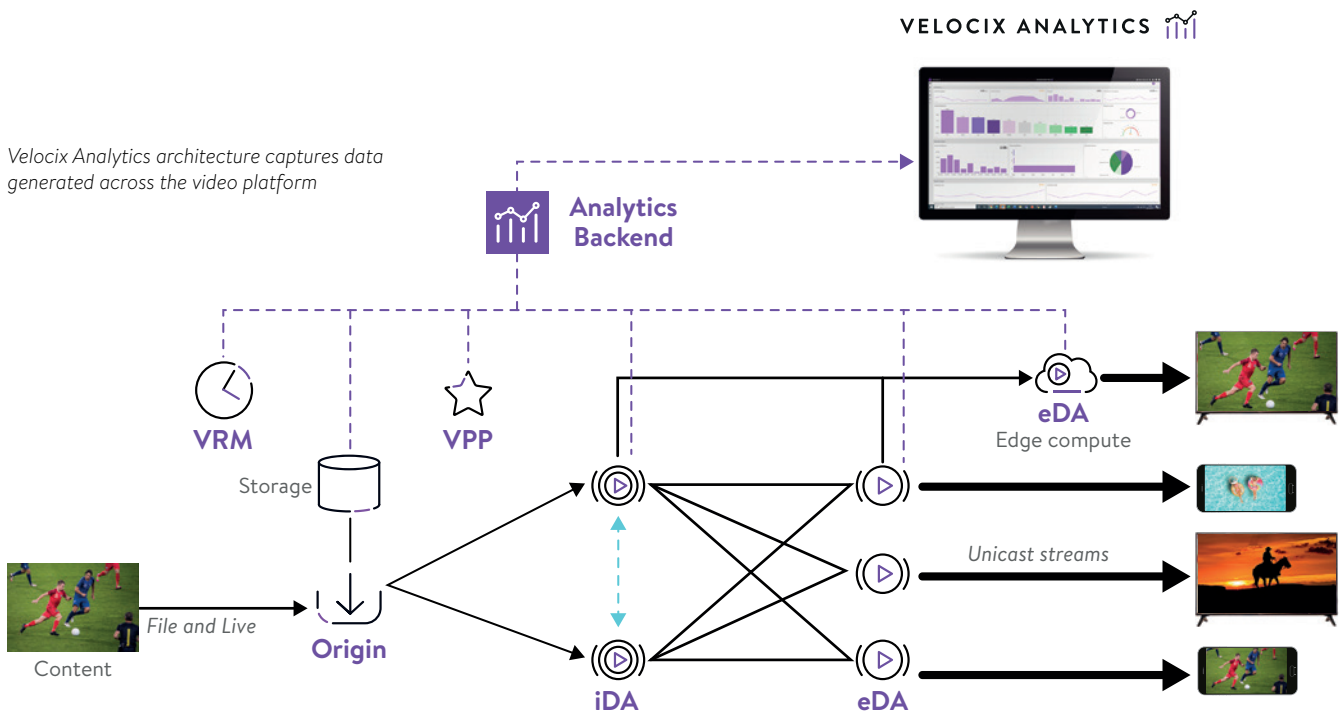
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Deploy fast with SaaS

Launch Velocix Analytics in weeks instead of months with flexible software-as-a-service licensing. Get started fast and with less upfront investment using cloud-native software, which features on-demand capacity scaling and a fully-resilient design.

Streamline reporting workflows across multiple operating companies using advanced multi-tenancy features. Deploy a single software instance on shared infrastructure to reduce operational expense.

Save on software upgrades and maintenance, as well as hardware infrastructure costs.

Calculate metrics consistently to compare and contrast information across multiple networks, while also accommodating the specific needs of individual operators. When you are ready, an expert team of managed services personnel from Velocix can help you configure, launch, and scale-out your analytics platform to ensure optimal results.

Velocix Analytics architecture captures data generated across the video platform

VELOCIX ANALYTICS

Analytics Backend

VRM

VPP

Storage

Content

File and Live

Origin

iDA

eDA

eDA
Edge compute

Unicast streams

Key features include*

Delivery analytics
- Standard and derived metrics for KPIs and QoS
- Traffic analysis: throughput trend and error rates
- CDN hit ratio and cache efficiency
- Deep analytics on delivery traffic logs

Operational analytics
- CDN network insights
- Throughput analysis and volume delivered
- Advanced tier analysis and response times
- PoP based reports
- Interface and application traffic counters
- Low latency, high resolution data

Capacity analytics
- Total headroom
- Available headroom
- Per server node, per PoP or entire network
- Profile (Live/VoD) based views and filters
- Long-term storage for trends and forecasts

Subscriber analytics
- Quality of Experience KPI metrics for all subscribers
- Session ID or IP based end-to-end tracking
- ISP connectivity status
- Subscriber experience tracking
- Specialised visualisations

* Note: Velocix has a policy of continual improvement, and product specifications and features are subject to change