Exponential mobile growth presents major challenges for mobile operators

Unlimited tariff plans and the growing popularity of video content leads to mobile data congestion and increased Radio Access Network (RAN) latency. Subscribers become quickly frustrated with inconsistent service performance such as video start delays and stalls due to network buffering. 30% of mobile network cells carry up to 70% of traffic, resulting in congestion. Mobile operators face unprecedented network performance challenges in order to improve customer experience and reduce churn.

Vasona manages mobile traffic to deliver optimal subscriber experience. With our Multi-Access Edge Computing (MEC) based solutions, offering real-time insight and control of mobile data, operators achieve greater network resource efficiency, reduced capital expenditures and deliver better customer experience.
Video Shaping

SmartAIR shapes video sessions, releasing packets to the RAN at target bitrates and controlling the time gaps between packets belonging to the same application session. Vasona can provide shaping when there are multiple separate TCP or UDP flows in the application session, even if the flows are encrypted. Video Shaping is licensed on a cell level with the option of Static or Dynamic.

Benefits

Supports Classification of Encrypted Flows
Strategically situated between the RAN and mobile core, Vasona solutions deliver:
- 20–40% improvement in application performance
- 5–10% in RAN efficiency
- Optimised resources plus limited overbids and capex
- Local traffic breakout and performance management
- Real-time analytics

Supports Granular App Performance
Precisely manage app performance by time and location demands at the cell level

Allocates Resources Intelligently
Network slicing by classifying traffic flow, mapping it into slices and making sure each slice gets the resources it needs dynamically

Achives a More Flexible Network
Transition to an agile RAN via an edge (MEC) software platform to support multi-vendor 4G/5G technology and future low-latency services

Delivers Best-In-Class Video
Improve streaming-media QoE, by shaping and guiding session rates to match current cell conditions

Why choose Vasona?

At the Edge
Provides leading solutions in network performance and edge computing software for mobile operators

Availability
Available across Europe, the Middle East and the Americas

Coverage
Our edge solutions are deployed in more than 150,000 3G & LTE cells

Better customer experience
Providing enhanced customer experiences for more than 100 million subscribers

Capacity
Managing more than 1 billion monthly video sessions

With Vasona you can benefit from...

- +30% video performance
- +30% browsing performance
- -20% RAN latency
- 5–10% CAPEX savings
- (PRB-U) -10~20% Physical resource block utilisation

ZephyrTel

Contact us to find out how our solutions can help your business grow.
sales@zephyrtel.com
ZephyrTel 401 Congress Avenue, Suite 2650 Austin, TX 78701 USA

zephyrtel.com