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ODUN.ONE

by 31C

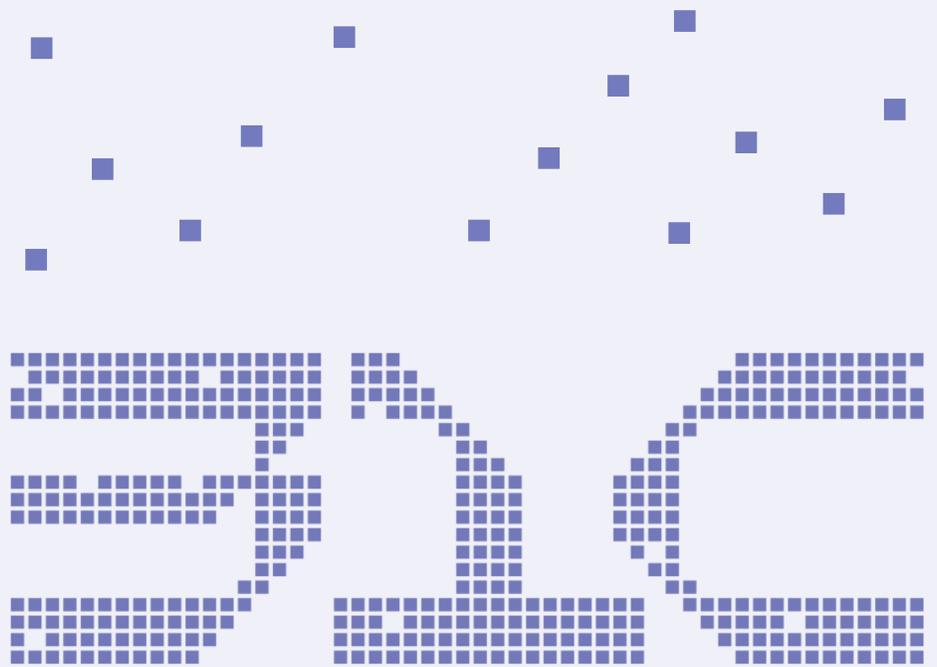
NEXT GEN DPI FOR THE AI ERA

From Deep Packet Inspection to Deep Packet Intelligence.

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Modern Networks Face 4 Unstoppable Forces

- **Encryption Everywhere**
Visibility gap, compliance risks, weakened security
- **AI-Generated Traffic**
Unpredictable workloads, new protocols, new security blind spots
- **Relentless Scale**
Exponential growth in users, devices, and bandwidth
- **Continuous Introduction of Applications**
A constantly moving target for operators and regulators



Unlike legacy vendors that struggle with outdated architectures and local tools that lack Tier-1 sophistication, our platform combines:

- Carrier-grade performance with private-cloud agility
- AI-driven analytics for encrypted and AI-generated traffic
- Natural language, AI-driven command and management, enabling operators to query, configure and control the platform as effortlessly as having a conversation
- Sovereignty-ready compliance to meet national security and data localization demands
- Modular design that adapts to evolving use cases, from telecom and government to BFSI and critical infrastructure

ODUN.ONE operates continuously across both Historical Analytics and Real-Time Monitoring, ensuring teams share one reliable source of truth.

- Identifies network flows through deep packet inspection and AI-based pattern recognition
- Classifies applications, services and traffic types by category, protocol and usage
- Categorizes traffic into structured dimensions for visibility, QoS, monetization and security enforcement
- Integrates data and control planes to connect operational insights with immediate policy

+3,500

Applications

Recognition of

14

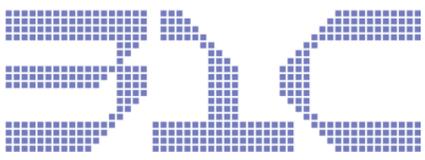
App Categories

11

Content Categories

Dynamic identification

Of new and encrypted traffic through continuous AI learning along with real-time analysis by location, policy, user and device.



ODUN.ONE, our Next Generation DPI product

helps operators turn blind data pipes into intelligent, revenue-generating networks.

With AI-driven analytics, application-aware billing and sovereignty-first architecture, our platform delivers visibility, compliance and new revenue opportunities, all with carrier-grade performance and private-cloud flexibility.

It unifies **visibility, quality, behavior, operations, monetization and security** under a single analytical and control framework, bridging the gap between **real-time monitoring and strategic decision-making**.

■ Visibility in an Encrypted, AI-Driven World

Networks are no longer transparent. Encryption and AI-generated traffic obscure flows and behavior. We restore visibility with intelligence that works even in fully encrypted environments, turning blind pipes into actionable insights.

- Near-100% classification accuracy, including encrypted traffic
- AI-powered detection of anomalies and new traffic patterns
- Regulatory intelligence: compliance-ready visibility

■ AI-Driven Command and Control

We make the network human centric. With natural language AI interfaces, operators and decision-makers can query, configure and control the platform as easily as having a conversation.

- AI-driven command and management for instant insights
- Natural language queries replacing complex command syntax
- Reduced training needs, faster adoption, smarter operations

■ Real-Time Threat Detection

misuse and policy violations the moment they occur.

- Real-Time Anomaly Detection: Identifies abnormal traffic patterns, suspicious behavior and zero-day indicators instantly
- Policy Enforcement at Line Rate: Applies security, compliance and usage policies directly in the data plane without latency impact
- Behavioral Intelligence: Learns normal patterns and flags deviations across users, devices, applications and protocols

■ Sovereignty and Scale by Design

Our clean-slate architecture is sovereignty-ready and designed for the realities of global scale.

- Private-cloud native, modular, API-first
- Carrier-grade performance without legacy baggage
- Data localization and compliance built in

■ Turning Networks into Business Engines

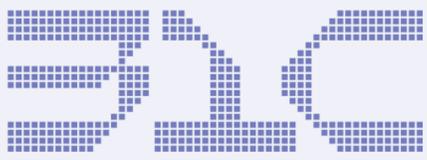
Our platform is not just about defense, it's about growth. We help telcos, governments and enterprises transform their networks into intelligent, revenue-generating assets.

- Application-aware billing and AI-driven traffic monetization
- Optimized QoS and predictive services for improved ARPU
- Reduced churn and customer care costs



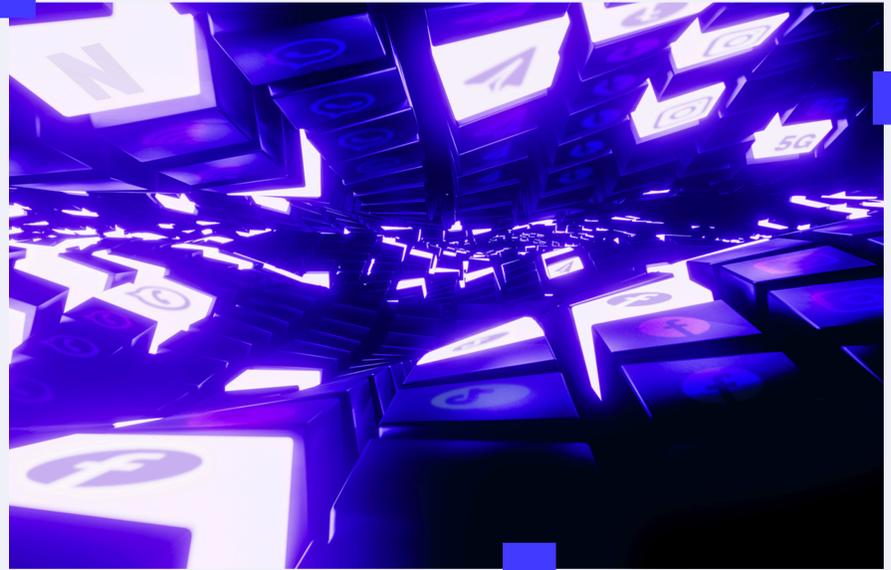
This unified intelligence enables network operations, marketing and security teams to act on the same real-time data, improving service quality, operational efficiency and business outcomes simultaneously.





Modular Software Stack on General-Purpose Hardware

Our entire platform is a modular software stack engineered using modern microservices architecture. Based on the required feature sets (use cases), the appropriate modules are seamlessly enabled to handle intelligence and enforcement functions as needed. This architecture eliminates the limitations of fixed-purpose appliances and unlocks true deployment flexibility, allowing our customers to scale, upgrade or tailor capabilities with zero hardware dependence.



Key Advantages:

- **Runs on standard hardware:** No proprietary appliances, deploy on any certified x86/ARM servers, private cloud or virtualized environment
- **Elastic scaling:** Add or remove modules on demand to match regional expansions or traffic growth
- **Modular by design:** Enable only the functions you need
- **Flexible Deployment Models:** Inline, off-path, centralized core or hybrid, adaptable to any telco, government or enterprise architecture
- **Future-Proof Extensibility:** New modules can be introduced without refactoring the entire platform, enabling continuous innovation
- **Operational Efficiency:** Simplified lifecycle management, reduced maintenance overhead and seamless updates without service disruption

Traffic Visibility:

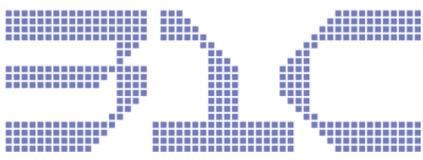
Deliver comprehensive, multi-dimensional visibility into how traffic moves, grows and performs.

- **Location-Based Traffic Consumption:** Shows traffic distribution and demand across regions or zones
- **Time-Based Traffic Consumption:** Reveals traffic peaks and usage trends over time
- **Policy-Based Traffic Consumption:** Displays traffic by policy type, shaped, throttled or unrestricted

Architecture Overview

- **DataONE** - Traffic analysis at the DPI level
- **ControlONE** - Policy management and plane control
- **OpsONE** - OSS/NMS for system monitoring and management
- **AnalyticsONE** - An artificial intelligence module for analytics, forecasting, and automation





The Value of ODUN.ONE

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- Unified Intelligence: One platform for visibility, QoE, operations, monetization and security
- Operational Efficiency: Accelerated diagnostics, automation and NOC optimization
- Customer Experience: Continuous improvement of service quality through AppScore insights
- Revenue Acceleration: Direct link between usage visibility and monetization policies
- Network Security: Real-time detection and mitigation of abnormal traffic
- AI Accuracy: Continuous model retraining ensures precise recognition, even under encryption
- Open Integration: Works with OCS/CHF, PCRF/PCF, PGW/UPF, Billing, CRM and SIEM systems

Service Quality / Quality of Experience (QoE)

- Location-Based Traffic Consumption
- Shows traffic distribution and demand across regions or zones
- Service per Category - QoE Metrics
- Displays average service quality across predefined categories (e.g., Video, Messaging, Gaming)
- Helps identify which service groups deliver an excellent or inadequate user experience
- Service per Application - QoE Metrics
- Shows AppScore values for each individual application and aggregations of measurements from multiple sessions
- Reveals real performance based on volume transferred, latency (Round Trip Time - RTT) and bidirectionality flow
- Quality Heatmap
- Visualizes overall service quality distribution across time or regions
- Enables quick detection of performance degradation or QoE anomalies

Subscriber Behavior

Understand how subscribers interact with services and the network.

- Monitors sessions, traffic volume and service mix per subscriber
- Identifies top users, usage peaks and daily/hourly patterns
- Correlates activity with applied policies and service quality outcomes

Security Threat Awareness

Ensure network integrity and protect subscribers by detecting abnormal, malicious or restricted activity.

- Monitors sessions, traffic volume and service mix per subscriber
- Threat Detection: Identifies anomalies, tunneling, misuse or encryption abuse
- Filtering & Policy Enforcement: Detects and blocks prohibited or malicious content
- Anomaly Analytics: Monitors deviations in flow behavior or protocol use
- Real-Time Alerts: Notifies operators of violations or attacks immediately

Data Monetization & Business Operations Use-Case Library

ODUN.ONE includes a catalog of pre-integrated use cases for policy-based monetization, control and optimization

ODUN.ONE includes a catalog of **pre-integrated use cases** that combine policy-based monetization, operational intelligence and customer experience management.

These use cases empower service providers to drive revenue growth and streamline daily operations, from dynamic charging and credit control to seamless customer journeys and real-time policy automation.

Usage-Based Monetization	App-based or differentiated charging per MB/GB
Thresholds & Fair Use	Apply shaping, alert or upsell triggers at usage limits
Traffic Exchange & Rewards	Exchange data for voice, content or loyalty value
Time-Based Controls	Policies by schedule (peak, off-peak or business hours)
Application-Based Actions	Zero-rating, prioritization or throttling by app type
Location-Based Services	Apply local promotions or roaming controls
Tethering Control	Detect and manage hotspots with throttling or add-ons
Credit Limit Management	Adjust or block traffic based on credit usage
Network Optimization & QoS Packs	Offer premium experience packs for VoIP, streaming or gaming

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ODUN.ONE by 31C unifies analytics, control and intelligence into one adaptive ecosystem. Our platform transforms raw network data into actionable insights that drive service quality, operational excellence, security and revenue growth, giving our customers the power to manage their critical network infrastructure smarter, deliver better experiences and monetize every bit of traffic in real time.

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