

# COMPLETE EDGE NETWORK AND APPLICATION VISIBILITY

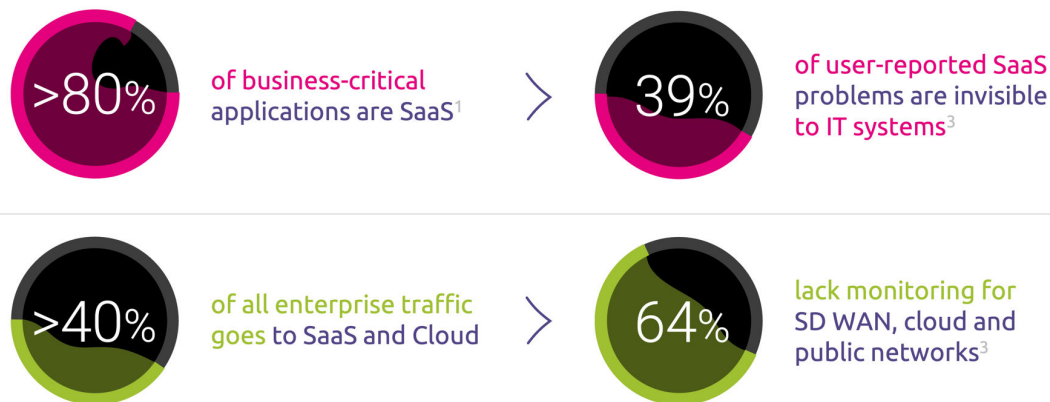


# COMPLETE EDGE NETWORK AND APPLICATION VISIBILITY

## The Edge and Application Visibility Challenge

Organizations face many challenges in monitoring and analyzing networks at the edge. With networks spread over physical and virtual environments and remote sites, quickly identifying the root cause of network and application performance issues can be difficult.

The importance of extending visibility to accelerate MTTR is evident:



Sources: <sup>1</sup> <sup>2</sup> <sup>3</sup>

## Problem Identification

With traffic volumes increasing, it's not practical to send traffic back to central sites for inspection and analysis. There is a need for on-site monitoring and analysis at the network edge. This needs to be done as efficiently as possible, to prevent needless travel for IT teams and to ensure troubleshooting is easy and effective.

### Pain Points

- > No fast overview of all issues and their impact
- > Lack branch office visibility at the edge
- > Visibility gaps prevent effective network analysis
- > Hard to diagnose connectivity issues between remote workers, internal and SaaS applications (ISP, DNS, BGP, VPN, SD-WAN and internet)
- > CASB delays and non-optimal redirects impact regions and users
- > Can't instrument SaaS applications (APM) or capture traffic at the host (NPM)



# COMPLETE EDGE NETWORK AND APPLICATION VISIBILITY

## Solution

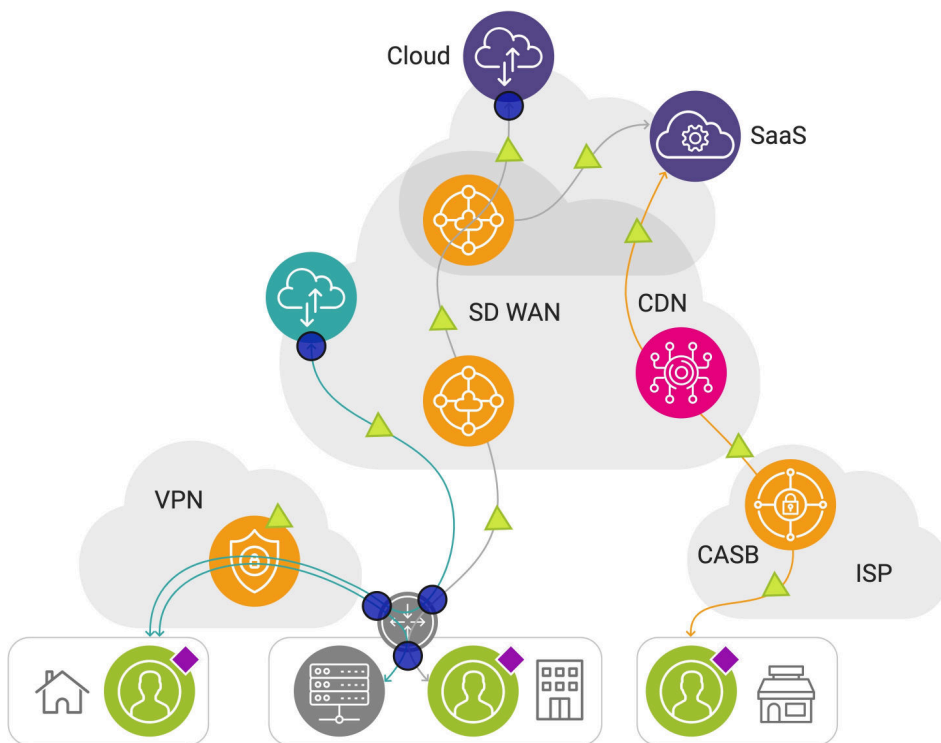
With Profitap and Kadiska joining forces, complete edge network and application visibility can be achieved. With the Profitap IOTA solution managing initial traffic capture and analysis at key capture points, Kadiska extends this visibility from user to application with network tracing and digital experience monitoring.



- > Secure access to key TAP/Capture points at HQ and edge locations
- > Storage of captured data
- > Traffic analysis based on PCAP and metadata extraction



- > Hybrid and public network performance and path visibility
- > User digital experience monitoring for cloud-hosted, web and SaaS applications



● Traffic Analysis



▲ Network Tracing

◆ User Monitoring



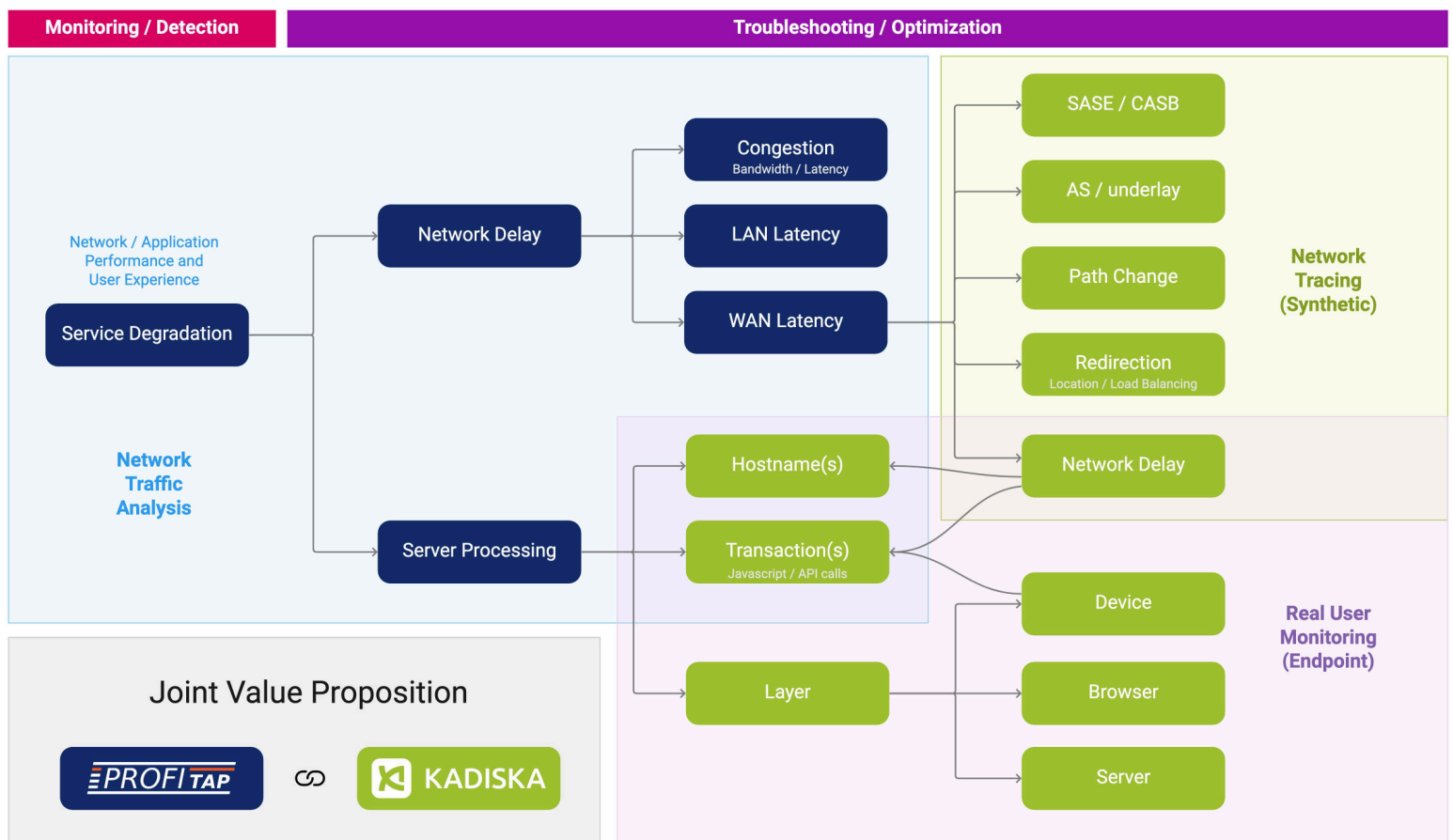
Joint Solution



# COMPLETE EDGE NETWORK AND APPLICATION VISIBILITY

## The Joint Solution Achieves:

- Zero blind spots: complete visibility across the entire network, from user to application infrastructure
- Fast MTTR with rapid fault identification, segmentation and root cause analysis
- Simplified network management and IT operations
- Optimized end-to-end infrastructure performance and scalability
- Optimal user experience for remote and onsite employees



Profitap and Kadiska provide complementary, uniform user, network and application analytics over three domains:

Network traffic  
analysis

Network path  
monitoring

Real user experience  
monitoring

**PROFITAP**

Joint Solution

**KADISKA**

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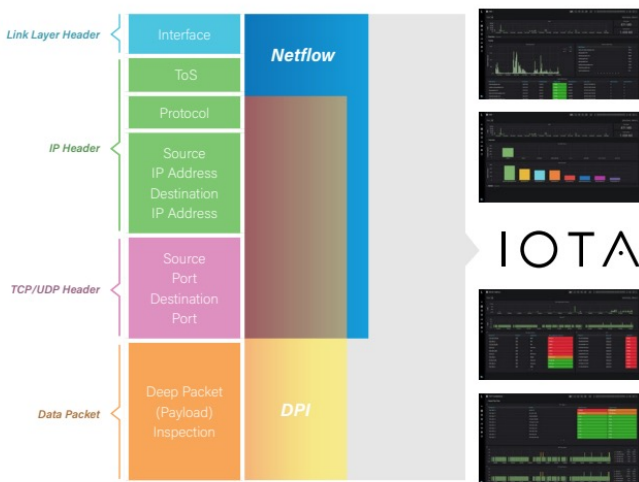
## Why Profitap?

With decades of R&D and market experience, Profitap has built a strong track record of highly performant, secure and user-friendly solutions. Profitap solutions specialize in retrieving high-quality network traffic data with no impact on operational networks. The full range of Profitap solutions complements each other to transform raw data into actionable insights.

With IOTA, Profitap offers a flexible all-in-one solution capable of remote and on-site analysis. With an internal SSD of up to 2TB of storage, analysis can be performed on both real-time and historical data.



Network Traffic Access	Managing & Optimizing Data Flow	Traffic Capture & Analysis
<ul style="list-style-type: none"> <li>• Full visibility into Physical &amp; Virtual networks</li> <li>• Fail-safe &amp; Secure traffic access</li> <li>• No Break technology</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic deduplication</li> <li>• SSL/TLS Decryption</li> <li>• Data Masking</li> <li>• Traffic Aggregation/Replication</li> <li>• Timestamping</li> <li>• Filtering &amp; Load Balancing</li> </ul>	<ul style="list-style-type: none"> <li>• Remote and on-site L2-L7 Analysis</li> <li>• Analyze real-time and historical data</li> <li>• Raw data capture &amp; Metadata extraction</li> <li>• Accurate hardware Timestamping</li> <li>• Fast MTTR</li> </ul>



## What IOTA Delivers

IOTA helps to quickly determine the nature of network issues. For example, if it's a network server processing issue, or if the issue is on the application side.

A set of customizable dashboards in IOTA's web GUI, delivers insights into Bandwidth utilization, DNS performance, TCP metrics, Application Latency, User Experience, and much more.

IOTA is able to deliver the dashboard overviews quickly, by extracting metadata from the raw captured data, leveraging the best of both worlds: a fast overview of what is happening on the network, while retaining the original packet data, which can be easily filtered and exported for further analysis.

### All-in-One Probe Hardware Benefits

- Built-in TAP with fail-safe deployment
- Internal storage of up to 2TB
- Hardware filtering (10G models) and Timestamping
- Small form factor: portable and rack-mountable options

- Historical flow data
- Record and retrieve PCAP trace files
- Identify network/server delay
- TCP performance metrics
- Signature-based application recognition



With Profitap's IOTA helping to identify performance issues, Kadiska can perform in-depth network and application digital experience analysis.



Joint Solution





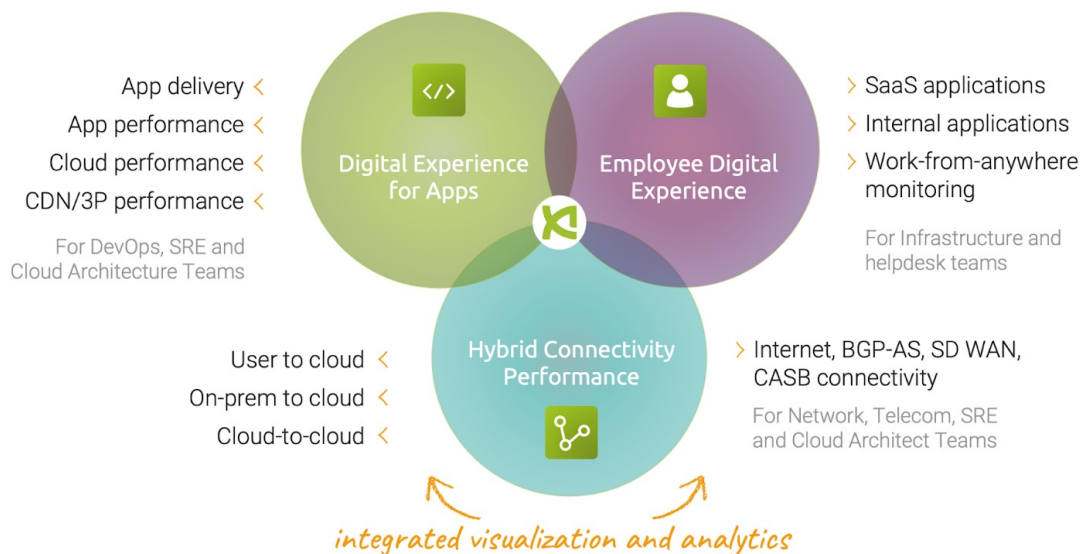
# COMPLETE EDGE NETWORK AND APPLICATION VISIBILITY

## Why Kadiska?

Kadiska's self-driving monitoring platform delivers 100% visibility into the digital experience of modern SaaS and cloud applications in the way users experience them.

Integrated insight across devices, connectivity, cloud infrastructure, and applications simplifies performance troubleshooting and optimization so enterprises can deliver an amazing digital experience to their employees and customers.

## Kadiska Platform > Key Capabilities



## Benefits

- > Detect hidden and intermittent issues and their origin
- > Rapidly resolve issues impacting user productivity
- > Optimize infrastructure performance and capital efficiency
- > Maximize SD-WAN and SaaS application performance
- > Understand application usage patterns
- > Measure the real user experience

Simple to deploy and maintain, the Kadiska platform cost-efficiently scales from regional to global deployments.



When packet level diagnosis is required, Kadiska analytics guide IT and network operations teams to the location, application, hosts and transactions to investigate with the original IOTA capture files, ensuring a complete and conclusive root cause analysis to drive rapid problem resolution.



# COMPLETE EDGE NETWORK AND APPLICATION VISIBILITY

## Conclusion

The joint Profitap-Kadiska solution delivers edge and application visibility without blind spots. Together, they combine a strong hardware-based traffic capture and analysis solution with robust network path performance and real user monitoring.

- Zero blind spots: complete visibility across the entire network, from user to application infrastructure
- Fast MTTR with rapid fault identification, segmentation and root cause analysis
- Simplified network management and IT operations
- Optimized end-to-end infrastructure performance and scalability
- Optimal user experience for remote and onsite employees



- Secure access to key TAP/Capture points at HQ and edge locations
- Storage of captured data
- Traffic analysis based on PCAP and metadata extraction



*With Profitap and Kadiska joining forces, it's now easy to keep visibility and control over edge network locations.*

Laurent Schirck, CTO at Profitap



- Hybrid and public network performance and path visibility
- User digital experience monitoring for cloud-hosted, web and SaaS applications



*Together we offer seamless monitoring and analytics from problem detection to resolution.*

Boris Rogier, COO at Kadiska



Joint Solution



# SMART NETWORK VISIBILITY



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## KADISKA



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Kadiska

Deliver an  
Amazing Digital  
Experience