L7 TR7

PROFI TAP
DEEP NETWORK OBSERVABILITY

JOINT SOLUTION BRIEF

TR7 AND PROFITAP

Enhancing data center architectures with an independent Application Security Platform and Passive Monitoring

In today's dynamic enterprise landscape, converged platforms are gaining significant traction due to their potential for streamlined deployment and management. However, this convergence also raises critical questions about resilience, independence, and the risks associated with consolidating essential network and security functionalities and diagnostic tools onto a single vendor's platform.

Can you truly monitor your network's performance and health using the very platform you're trying to observe? What happens if a pervasive bug impacts a vendor's entire technology stack, including the analytics engine?

TR7 and Profitap have teamed up to address these concerns, offering a robust network security architecture paired with a truly independent network observability solution. The joint solution combines TR7's comprehensive Application Security Platform (ASP) with Profitap's advanced network observability. This strategic partnership delivers:

◎ **Industry-leading application security:** TR7's Web Application Firewall (WAF) protects against threats and OWASP attack patterns, while its high-performance load balancing and traffic management ensure application availability, scalability, and resilience.

◎ **Decoupled passive monitoring:** Profitap provides truly independent, impartial analytics, free from the biases or compromises of the monitored platform.

◎ **Enhanced Fault Domain Isolation:** Granular visibility at critical network points – ingress/egress, both sides of the ASP, and before servers – enables rapid issue identification and isolation.

Addressing Key Business Drivers

Enterprises seeking optimal cost, performance, and reliability in converged platforms find answers here:

◎ Reduced risk & improved resilience
   Decoupling monitoring from the security platform mitigates blind spots during incidents or outages.

◎ Accelerated troubleshooting
   High-fidelity packet data enables faster resolution of performance bottlenecks, application issues, and security threats.

◎ Optimized resource utilization
   Intelligent packet brokering ensures monitoring tools receive only relevant data, extending tool lifespan and reducing overhead.

◎ Compliance and forensics
   Lossless traffic capture provides essential data for regulatory compliance, audits, and detailed forensic analysis.

◎ Confidence in platform adoption
   Enterprises can confidently embrace converged security, knowing their monitoring infrastructure remains active and trustworthy.

Better together: TR7 and Profitap

Customers gain a powerful, synergistic solution by integrating the TR7 Application Security Platform with Profitap's Observability Platform. This combined architecture features:

1. **The TR7 Application Security Platform (ASP)**
Providing robust WAF and load balancing for critical applications.

2. **An independent Observability Platform (Profitap)**
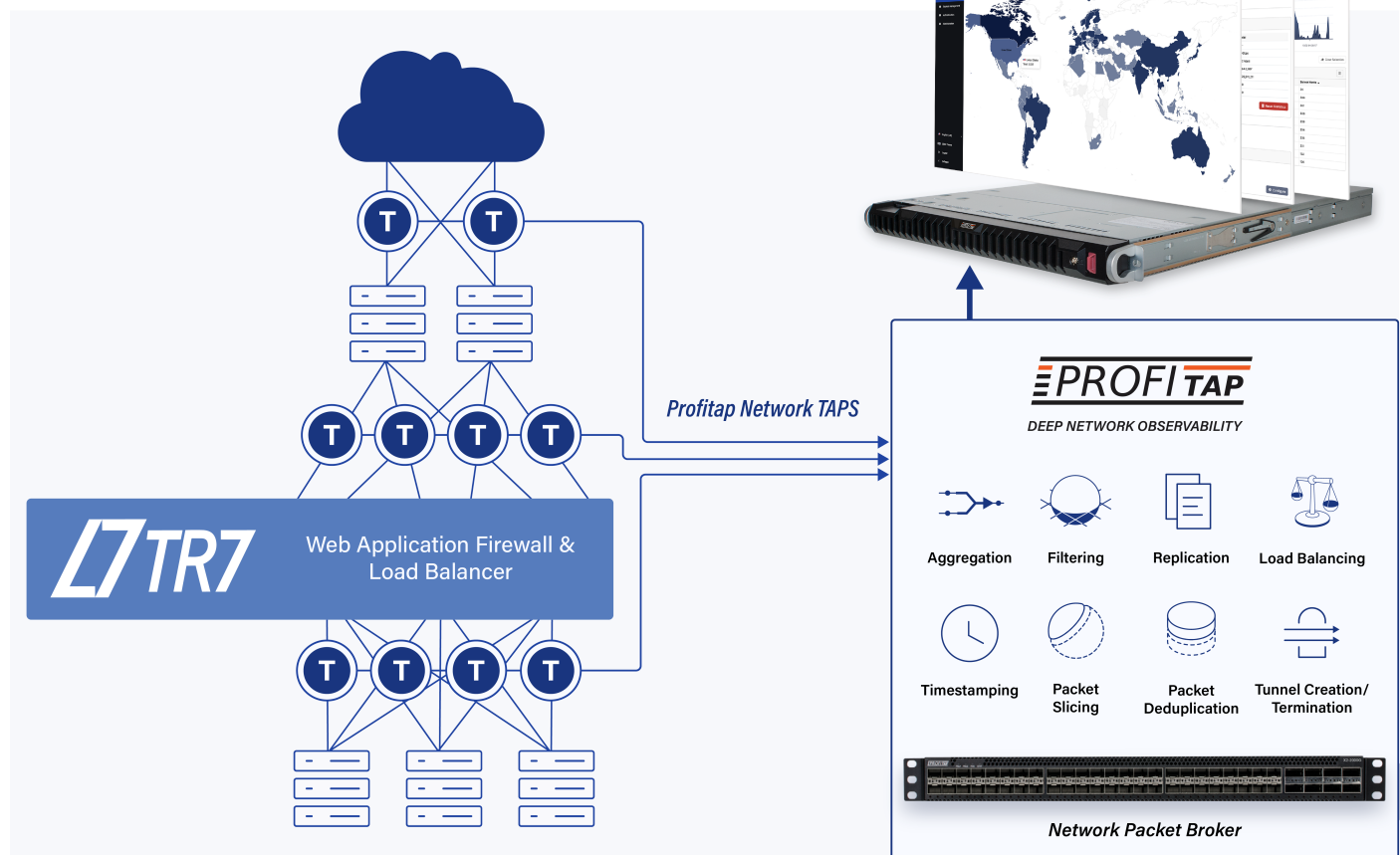Delivering 100% visibility into network traffic for continuous, unbiased monitoring.

Figure 1: Solution Topology

TR7's role: Application protection and delivery

The TR7 Application Security Platform is the cornerstone of your application protection and delivery strategy. Sitting inline, it acts as a protective shield, improving experience, mitigating security events, and improving resilience. TR7 enables comprehensive WAF protection against known and zero-day threats, advanced Layer 4/7 load balancing, seamless integration with existing infrastructure, and real-time threat intelligence for proactive security posture management.
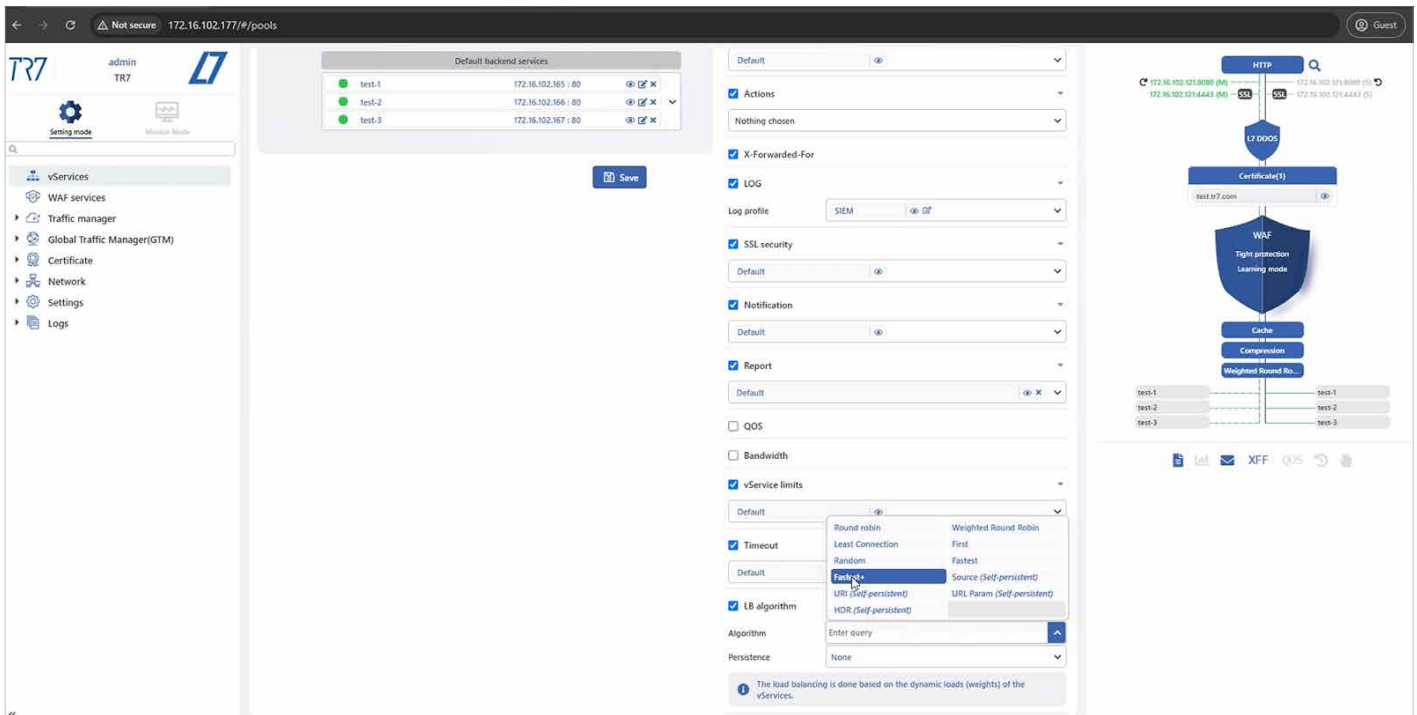
Figure 2: TR7 Console

Profitap's role: Zero-loss, 100% observability architecture

Profitap's Observability platform provides passive, non-intrusive access to network traffic without disrupting critical processes. This architecture ensures monitoring tools receive optimized, relevant traffic. It comprises:

◎ **Network TAPs (Test Access Points):**
The foundation of trust. Unlike SPAN ports, TAPs provide 100% lossless packet replication, immune to misconfiguration or oversubscription. Profitap TAPs eliminate blind spots and support speeds up to 400G.

◎ **Network Packet Brokers (NPBs):**
Intelligent traffic optimization. NPBs aggregate traffic from TAPs, then intelligently filter, replicate, deduplicate, and load balance traffic to various network and security monitoring tools, optimizing the tools' performance and efficiency.

◎ **IOTA: Packet capture and analysis solution:**
Profitap's powerful capture and analysis solution for edge and core networks. IOTA delivers detailed real-time and historical network visibility, enabling fast troubleshooting of performance and application problems through complete packet capture and metadata analysis.
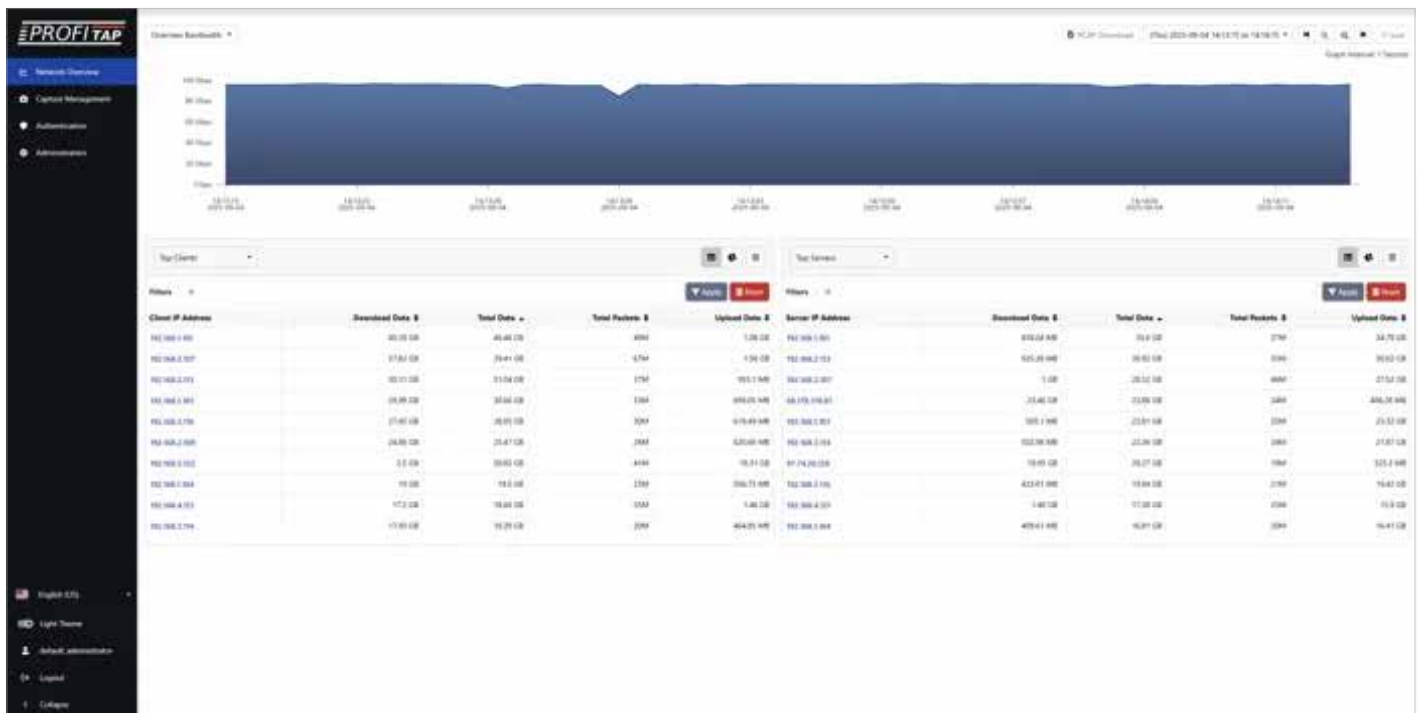
Figure 3: IOTA Overview Dashboard

Adopting platform security with confidence

This strategic partnership is purpose-built for enterprises adopting converged security solutions that require always-on network monitoring independent of the platform's health. The integrated stack provides the robust TR7 ASP alongside Profitap's unparalleled observability platform, ensuring complete, unbiased, and continuous network visibility.

TR7 and Profitap deliver a secure, high-performance, and resilient architecture, allowing enterprises to confidently embrace the future of converged security.

L7TR7

Founded in 2008 by network and cybersecurity veterans who knew all too well the frustrations and issues IT teams face: bloated WAFs and Load Balancers that overpromise, underdeliver, and leave businesses exposed. Founders Ömer and Kürsad set out to break the mould, creating a cutting-edge solution that that stripped away the noise and complexity. The result is an intuitive platform that's radically simple, resilient under pressure, and built to keep pace with today's complex, fast moving threats. The outcome? IT teams regain clarity, control, and confidence; empowered to operate exactly as the founders always envisioned.

To learn more, go to www.tr7.com

≡PROFITAP

DEEP NETWORK OBSERVABILITY

Profitap delivers packet-based network intelligence to enhance monitoring and bolster cybersecurity. Its unified observability platform offers reliable data access, traffic optimization, and robust capture/analysis. These solutions minimize troubleshooting MTTR, eliminate downtime, support lawful interception, simplify network complexity, and strengthen security for all networks. Serving over 1,100 clients in 70+ countries, Profitap provides comprehensive visibility and analytics across physical and virtual infrastructures globally.

To learn more about our joint solution go to https://www.profitap.com/contact-us/