

Build Networks Like Cloud

DriveNets is a fast growing software company that has created a radical new way for communications service providers and cloud providers to build networks. It disaggregates the network in the same way hyperscalers built their cloud infrastructure.

While the world has moved to software and cloud-native architectures, most networks have remained hardware-centric, based on complex monolithic software. They are not taking advantage of newer software technologies that enable better resource utilization, service scaling and innovative economic models.

DriveNets Network Cloud is changing the game. The software-based cloud-native networking-infrastructure solution supports the highest capacity and scale in the market today, with an innovative economic model.

- **Disrupting the networking market** – moving it 20 years forward to cloud-native software
- **Customer-proven** – providing over 52% of AT&T's core network and in various phases of engagement with over 100 tier-1 service providers and hyperscalers
- **New economic model** – offering network services in an Infrastructure-as-a Services (IaaS) model, running over a shared infrastructure of white box clusters
- **Optimal scaling** – uniquely scales from a single-box router (4 Tbps) to clusters of 100s of white boxes (768 Tbps) router
- **Tier-1 ecosystem** – supported by a set of leading channel, solution, hardware and application partners, including chip manufacturers, white box ODMs, optical equipment, and software apps providers

The DriveNets Story

DriveNets was founded by Ido Susan and Hillel Kobrinisky, two successful telco entrepreneurs. Previously, DriveNets' CEO Ido Susan founded Intucell, the company that invented the Self Optimizing Network (SON). In 2013, when he was just 26 years old, it was acquired by Cisco for \$475 million. After the acquisition, Ido held a leading role in the global mobility solutions business unit at Cisco. He worked there until co-founding DriveNets in 2015.

DriveNets' co-founder and now Chief Strategy Officer, Hillel Kobrinisky, had previously founded Interwise, a Web Conferencing software company. In 2007 it was acquired by AT&T for \$121M.

DriveNets has raised \$587M in three rounds of funding from D2, Bessemer Venture Partners, Pitango Venture Capital, D1 Capital Partners, Atreides Management and several private investors.

DriveNets at-a-glance

- Founded: 12/2015
- Headquarters: Israel
- Mission: build networks like clouds – software-based, disaggregated and fully virtualized, running over standard white boxes

Funding

- Round A in 2019, \$117 million
- Round B in 2021, \$208 million
- Round C in 2022, \$262 million

From Traditional Chassis to Disaggregated Software-Based Networking: Network Cloud

DriveNets Network Cloud is a high-scale solution based on cloud-native software running on standard networking white boxes available from a selection of manufacturers. It simplifies the network's physical and operational model, automates its life-cycle management, and avoids monolithic architecture, all of which overcome the limitations of traditional hardware-centric routers.

DriveNets Network Cloud uniquely supports the complete virtualization of network and compute resources, enabling communication service providers and cloud providers to meet increasing service demands much more efficiently than with today's monolithic routers. Its unique design also allows faster service innovation, supporting multiple service payloads, including latency-sensitive ones, over a single physical network infrastructure.

DriveNets Network Cloud comprises:

- **DNOS** – DriveNets Network Operating System (NOS) – a distributed NOS, creating a unified shared infrastructure over a distributed architecture, supporting multiple service offerings, including core, aggregation, peering, edge and access routing
- **DNOR** – DriveNets Network Orchestrator – automates the deployment, scaling and management of DriveNets Network Cloud solution, removing the complexity of provisioning and managing a distributed multi-vendor disaggregated network
- **White Boxes** – standard networking white boxes, based on merchant silicon (OCP DDC compliant) – one for packet forwarding (NCP) and one for fabric (NCF)

"The part that DriveNets we're using is in our core backbone. We are carrying 590 petabytes every day. That's a lot of traffic on our core backbone. Already over 50% of the traffic is running on an open disaggregated architecture, where the network operating system was DriveNets"

Yigal Elbaz,
CTO of Network Services, AT&T

Our Customers

AT&T deployed DriveNets Network Cloud across its core network, and DriveNets is currently transporting more than 52% of their core network traffic – the largest backbone in the US. Similar deployments are already operational with additional global tier-1 operators. Additionally, DriveNets is engaged with over 100 Tier-1 operators and cloud-providers in North America, Asia and Europe, on large projects, including core backbone, aggregation, edge, and peering.

Industry Recognition



Company of the Year
(private) 2022



Product of the
Year 2021



Company of the Year
(private) 2020



Next-Gen
Deployment Wireline



Research: Whitebox
routing – a transformative
disruption

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