snaproute

SOLUTION BRIEF

THE INDUSTRY'S FIRST CLOUD NATIVE NETWORK OPERATING SYSTEM

Snaproute is providing companies with a competitive edge by delivering a cloud-native network operating system (CN-NOS) built on an innovative containerized, microservices architecture that unifies the data center operational model and enables rapid, secure and efficient deployment of applications: at a price that will save companies up to 50% vs. legacy vendor systems.

Breaking industry financial and technical paradigms

The long-promised opportunity to drive down network price points and empower companies with more control to innovate independent of network vendors has failed to materialize. For decades, the economics of networking along with the legacy architectural approaches has resulted in networking failing to keep pace with the innovation and price declines seen with software, compute and storage. Networking remains expensive, static, operationally siloed, and an inhibitor to business agility. **Snaproute is removing the financial and technical barriers that have plagued networking for decades with the industry's first cloud native network operating system (CN-NOS) at a price that will save companies up to 50% vs. legacy vendor systems;** enabling companies to accelerate application time to service, enhance security and compliance, and simplify operations.

Business Dynamics and Impact on Application Development and Deployment

More and more business value is being delivered via applications as companies strive to improve the customer experience and address increasing competitive pressure. In response, the way those applications are being built and deployed into the data center has been rapidly evolving to accelerate application time to service, enhance security and compliance, and simplify operations. This has ushered in new operational and design principles that we call cloud native, driven by the DevOps movement; a combination of philosophies, practices, and tools that increase an organization's ability to deliver application and services at high velocity.

Networking remains the roadblock

With this shift to DevOps, compute and storage have fully embraced cloud native; creating a much more agile infrastructure that can move at the speed of application development. At the same time, these IT infrastructure elements have seen improving economics as competition and innovation drive prices down. In this increasingly application driven world with a promise of "always on, always available", the network has not kept pace. It remains static, inflexible and expensive; stuck in a 30+ year old financial and technology paradigm and increasingly seen as an inhibitor to overall business agility and growth.

In order to fully realize the full potential of IT infrastructure to support this dynamic application environment, companies can no longer be held prisoner to the networking industry status quo where we've seen high costs accompany monolithic, rigid network operating systems (NOS) and siloed, inefficient data center operational models. The complexity of these legacy network operating systems creates brittle network environments that are prone to outages, and restrict collaboration between the teams that develop applications (DevOps) and the teams that operate networks (NetOps); resulting in significant increases in application time to service, security vulnerabilities, and policy violations.

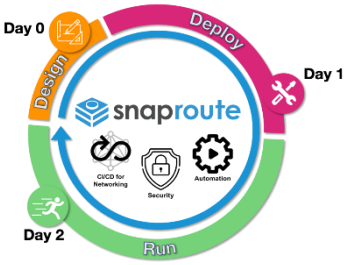
Bringing Networking Into The Cloud Native Era: Financially And Technically

There is a compelling need for a revolution in network architecture but also disruption in the industry pricing model as well. It's time for a network operating system that brings networking the same efficiencies that virtualization and now containerization are delivering elsewhere in the data center. A network operating system that leverages cloud native principles and DevOps approach including continuous integration / continuous deployment (CI/CD)—to allow DevOps and NetOps to collaborate and enable companies to embrace the mindset of speed and constant change. A network operating system that delivers disruptive economics and redefines the networking "value equation".

SnapRoute's Cloud-Native Network Operating system (CN-NOS) resolves the inherent inflexibility of legacy monolithic network operating systems and removes the economic barriers to rapid application deployment and efficient, secure and unified operations. SnapRoute's CN-NOS leverages a containerized, microservices architecture and embedded Kubernetes to transform the network from static and brittle to dynamic and agile; enabling operational teams to align with and respond more quickly to business demands.

Operational Capabilities

Accelerate application time to service	○ Add & upgrade features and fixes in real-time without downtime requirements, eliminating the need for scheduled maintenance windows ○ Leverage native DevOps toolchains to automate and control network attributes that support the rapid roll out of applications
Enhance security and compliance	○ Remove, not just disable, unused services to reduce security exposure and the threat surface of the network operating system ○ Assure compliance at any time with the ability to surgically replace only vulnerable services in real-time
Simplify operations	○ Maintain policy control and NetOps ownership while limiting menial tasks traditionally needed to support application roll outs



Operational Impact

- Accelerate application deployment by 10x
- Eliminate network maintenance windows and patch vulnerabilities
- Reduce security exposures and improve time to fix by 99 percent
- Ensure network compliance at all times
- Reduce administrator to platform ratio by 5x

About SnapRoute

SnapRoute is elevating the network into the cloud native era: financially and technically. Delivering the industry's first Cloud Native Network Operating System (CN-NOS), SnapRoute's unique containerized microservices architecture, embrace of DevOps principles, and barrier breaking economics empowers companies to accelerate application time to service, enhance security and compliance, and improve run-time operations to drive business velocity and growth.

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