

Simplify & Accelerate Application Migration

ZERO-TRUST, APPLICATION-SPECIFIC NETWORKING FOR APPLICATION MIGRATION AND ON-DEMAND CONNECTIVITY

As businesses embark on their digital transformation journeys, they are challenged with the daunting task of migrating applications from the datacenter to the cloud. Applications together with large amounts of data in motion need to be securely migrated to often multiple cloud platforms such as Amazon Web Services and Microsoft Azure.

It is important that once migrated, applications and data are accessible by users and ancillary systems in a controllable, secure, performant manner. Traditional methods of cloud connectivity such as VPN tunnels and dedicated MPLS connections are cumbersome, expensive, and can take months to establish.

NetFoundry delivers a new level of network agility and security to businesses embracing cloud migration and modern application practices.

EMBRACE THE CLOUD WITH CONFIDENCE

The NetFoundry platform enables administrators to instantly spin up software-only, zero trust, micro-segmented networks called AppWANs at scale using its web orchestration console and APIs. NetFoundry AppWANs can be quickly deployed to securely connect and migrate applications, experiencing private line performance over a basic Internet connection. These high performance application specific networks can be extended to support on demand connectivity to ancillary applications simplifying the migration process and dramatically lowering costs.

NetFoundry brings agility, security, and speed that traditional connectivity solutions can't match. Networks can be spun up instantly using virtual gateways that are pre-built for AWS, Microsoft Azure, and other common cloud platforms.



Key Benefits

- On-demand networking as agile as the applications and IT functions it serves
- Zero trust network architecture with secure network isolation and micro-segmentation in a least privilege access model
- Multi-dimensional, encrypted data in motion protection
- Dynamic performance optimization with 3-5x performance gains over traditional VPN
- Hardware, telco, and cloud provider agnostic
- Developer friendly network deployment using popular DevOps tools
- Networks driven by the identities, contexts, & needs of each app and set of IAM policies
- Available in AWS & Azure marketplaces
- Trusted partnerships & integrations for full-stack solutions

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Spin up your application specific network today at [NetFoundry.io](https://netfoundry.io)

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"NetFoundry does not just provide companies with an alternative to costly VPNs but it also provides them with faster and more secure connectivity."

Kerwin Malabanan, Managing Director, Fasttrack



"NetFoundry is the ultimate networking solution, it helps to break Cloud barriers and accelerate any Cloud project maintaining always the highest security standards."

Javier Aguado, Cloud Services Director, MyCloudDoor

SOLUTION SNAPSHOT

Lemongrass Consulting is a global system integrator whose goal is to help SAP-centric enterprises improve through adoption of digital technology such as HANA, mobility, and AWS public cloud. They enlisted NetFoundry to provide agile, secure connectivity for their customers' cloud migration initiatives and resulting migrated workloads.



THE PROBLEM

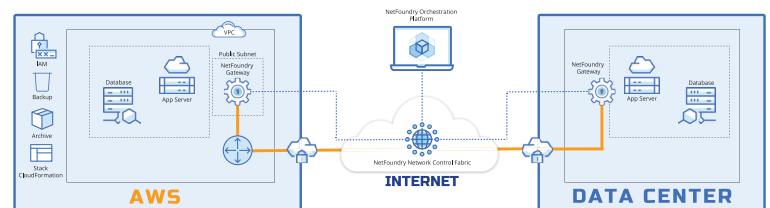
Lemongrass found that many cloud migration projects developed challenges such as budget overruns, unnecessary complexity, and significant scope creep when it came to establishing connections to AWS for the purposes of migrating workloads and for connecting those workloads post-migration. Although AWS' connectivity offerings provide a rich set of options to connect customers to, and across the AWS ecosystem, a local connection is required to the nearest point of presence to get there. These connections are typically transient IPsec tunnels over Internet circuits, which have very limited throughput and performance assurances, or dedicated MPLS circuits, which can take months to establish, are incredibly expensive, and complex to provision.

THE SOLUTION

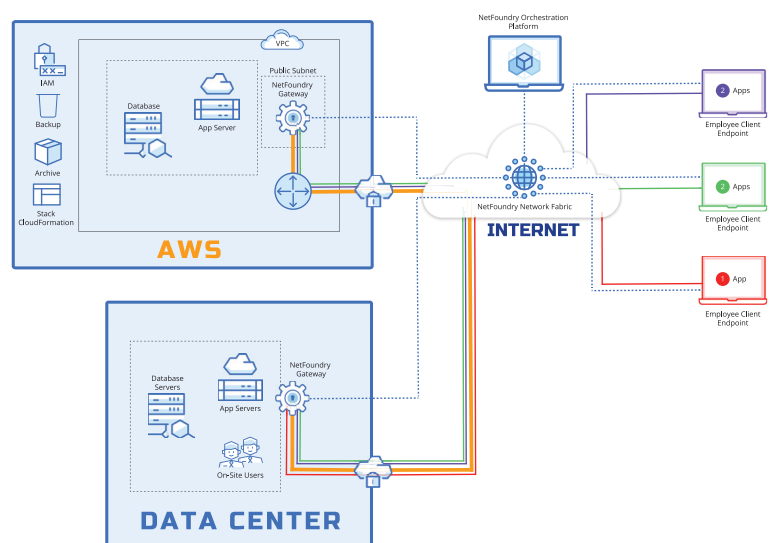
Lemongrass has reduced their customers' time-to-deployment and project durations while streamlining their own processes by enlisting NetFoundry. NetFoundry makes it easy to instantly spin up highly secure, performant, edge-to-cloud networks to AWS over the Internet using our web-based orchestration tools and APIs with micro-segmented networks called AppWANs.

During workload migration, NetFoundry's web orchestration console enables Lemongrass to instantly spin up secure, software-only AppWANs directly to their customers' AWS VPCs over existing Internet connections without sacrificing security or speed. Since NetFoundry's AppWANs encapsulate TCP in the significantly more performant UDP protocol while dynamically optimizing data flows to follow the best performing paths across our global network fabric, the time it takes to migrate data from on premises to AWS is drastically reduced. In one instance, NetFoundry reduced data transit time from two days with a traditional VPN tunnel to less than eight hours with an AppWAN, using the same Internet connection.

After workloads are migrated, Lemongrass uses NetFoundry to establish micro-segmented AppWANs between users, data centers, other cloud providers, and the cloud migrated application. Their customers can rest assured that data-in-motion is protected, because each AppWAN built with the NetFoundry platform is fortified by a multi-dimensional security architecture which isolates, encrypts, and protects data flows, resulting in zero trust, private, dark networks over the Internet, micro-segmented by application. Inevitably, changes have to be made, such as connections to ancillary applications that may have been overlooked in the initial migration. Since spinning up AppWANs is quick and easy, oversights such as this can be mitigated in a matter of minutes, rather than days or weeks with other connectivity options.



Cloud Migration From Data Center to AWS Using NetFoundry Micro-Segmented AppWANs



Post Migration Workload Connectivity In A Hybrid Cloud Topology Using NetFoundry Micro-Segmented AppWANs

[View the solution details on the Amazon AWS website.](#)

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