

IOT REMOTE MANAGEMENT

SIMPLE & SECURE NETWORKING AT SCALE

Manage devices, apps, and APIs without truck rolls or VPNs. Eliminate complex firewall rules and performance impacting infrastructure with a software-only solution.

PROLIFERATION OF IOT DEVICES

IoT native deployments are now the norm. Meanwhile, IoT devices which were originally offline are being connected. The result is over 15 billion IoT devices are expected to be online by year's end. These trends are driven by cost savings such as reducing truck rolls and motivated by revenue drivers such as analytics. This proliferation of IoT devices caused vulnerabilities to rise over 100% according to the 2022 Biannual ICS Risk & Vulnerability Report. By itself, the NotPetya attack alone caused \$10 billion in damage. Maersk and Fedex alone suffered over \$1 billion of damage.



Gartner
Peer **Insights™**

NetFoundry's agility, ease of use, and performance look to be a real game changer for our business."

Shawn Campion
President, Integro

5.0 Stars ★★★★★
Overall User Rating

[Read the full review](#)

REDUCING IOT REMOTE MANAGEMENT AND NETWORKING RISKS, WHILE IMPROVING PERFORMANCE

IoT remote management often requires high performance, privileged access (e.g. SSH, RDP), secure exporting of data, and OTA update support. Companies allowing vendors and providers with remote management access into their networks or DMZs are understandably concerned by the security risks. NetFoundry's CloudZiti solution simplifies and secures IoT management and IoT app delivery against data exfiltration, ransomware, botnets, and DDoS attacks.

THE NETFOUNDRY CLOUDZITI DIFFERENCE

CloudZiti is a software-only solution that enables organizations to integrate IoT management, security, and networking as part of a simple solution, and control it from the cloud. Its unrivaled security and value are achieved by making all assets (IoT devices and server side) invisible to the Internet with a private, zero trust IoT fabric (Software Defined Network), while eliminating the complexity of traditional remote management tools.



STRENGTHEN SECURITY & SIMPLIFY DEPLOYMENT

Close all open inbound firewall ports on both sides, without whitelisting any IPs and help prevent data exfiltration



IMPROVE PERFORMANCE & RELIABILITY

Enables high performance SSH and RDP, with direct routing to or from multiple destinations via private CloudZiti network fabrics



REDUCE SOLUTION COMPLEXITY

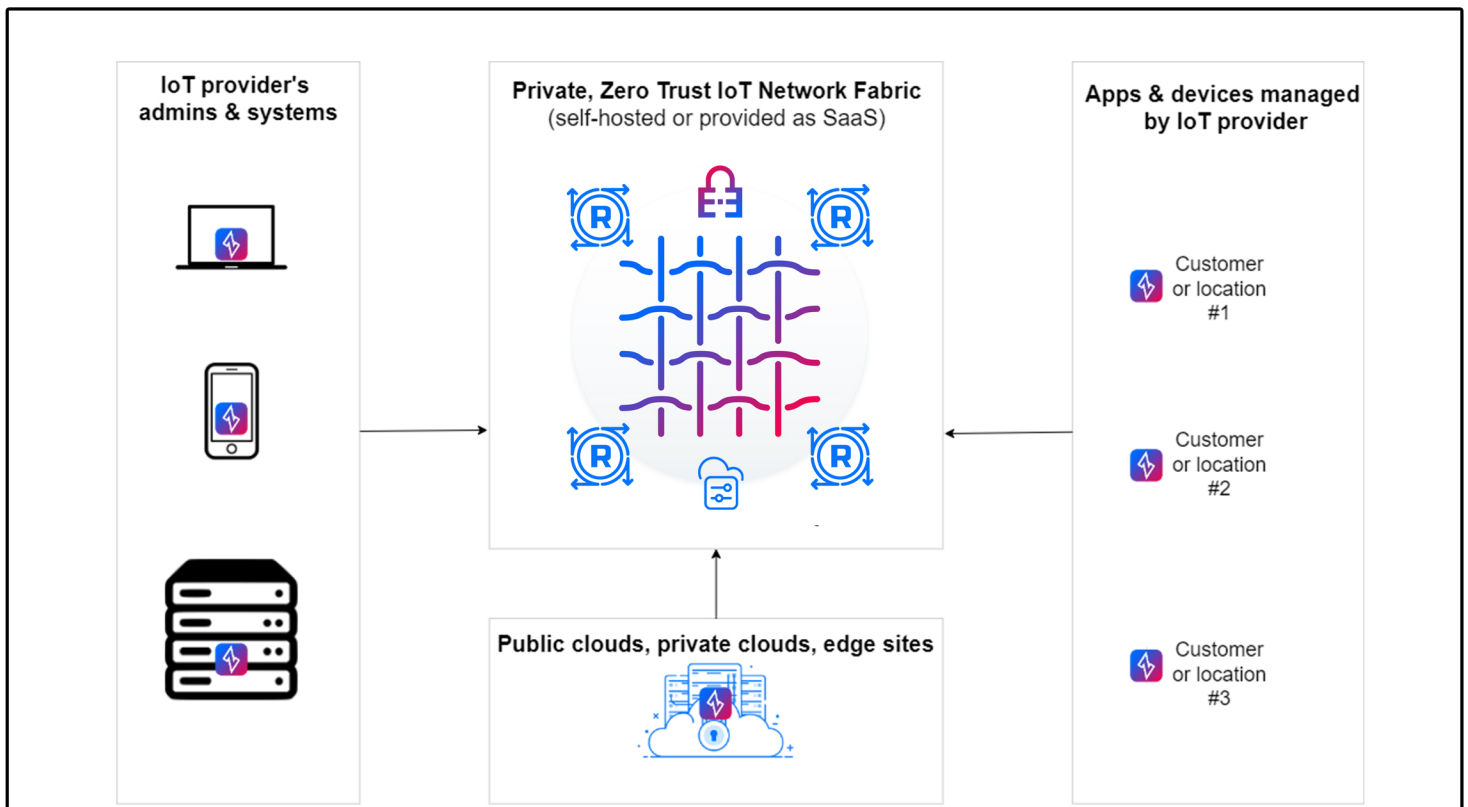
Eliminate the need for static IPs, public IPs, port forwarding, VPNs and private mobile APNs, jump servers, and bastions

A LOOK AT SOME OF OUR CASE STUDIES



CLOUDZITI SOLUTION ARCHITECTURE

The NetFoundry CloudZiti platform is a software-only platform, which enables secure networking for remote management and data connectivity. Private, zero trust network overlays are created which meet and exceed NIST cybersecurity guidelines, while providing high performance. The basic architecture is illustrated below.



- Used for IoT and IT apps, APIs, and devices. All protocols supported, including RDP and SSH. Mutual TLS (mTLS) with all data encrypted. Exceeds U.S. government NIST zero trust guidelines
- Ziti software is embedded in an API or app (agentless), used as a device agent, or gateway. IP address overlap, changes or new sites are non-events. X.509 certs replace need for static private IPs and port forwarding
- Fabric can be extended to any edge to optimize latency and avoid backhaul. Fabric functions as a distributed mesh to optimize availability and resiliency, with dynamic best path routing

CASE STUDY: LiveView Technologies ENABLING INNOVATION WITH NETFOUNDRY



LiveView Technologies (LVT) is a leading remote live video, safety surveillance, IoT, and analytics gathering PaaS trusted by some of the most well-known organizations in the world. LVT used NetFoundry to create a zero trust network for all LVT edge IoT and cloud systems.

This zero trust network closed all inbound firewall ports, provided high performance networking, and enabled the elimination of custom networking hardware .

LVT eliminates dependency on private mobile APNs and enjoys direct data (no VPN backhaul) to each individual site.



Cloud native remote management and networking embedded into the LVT solution, as code. Any underlay network can now be used securely.



All LVT Units, cloud servers, and other network resources inaccessible from the network. All access secured by X.509 certs, posture checks and MFA. mTLS across entire IoT network overlay fabric.

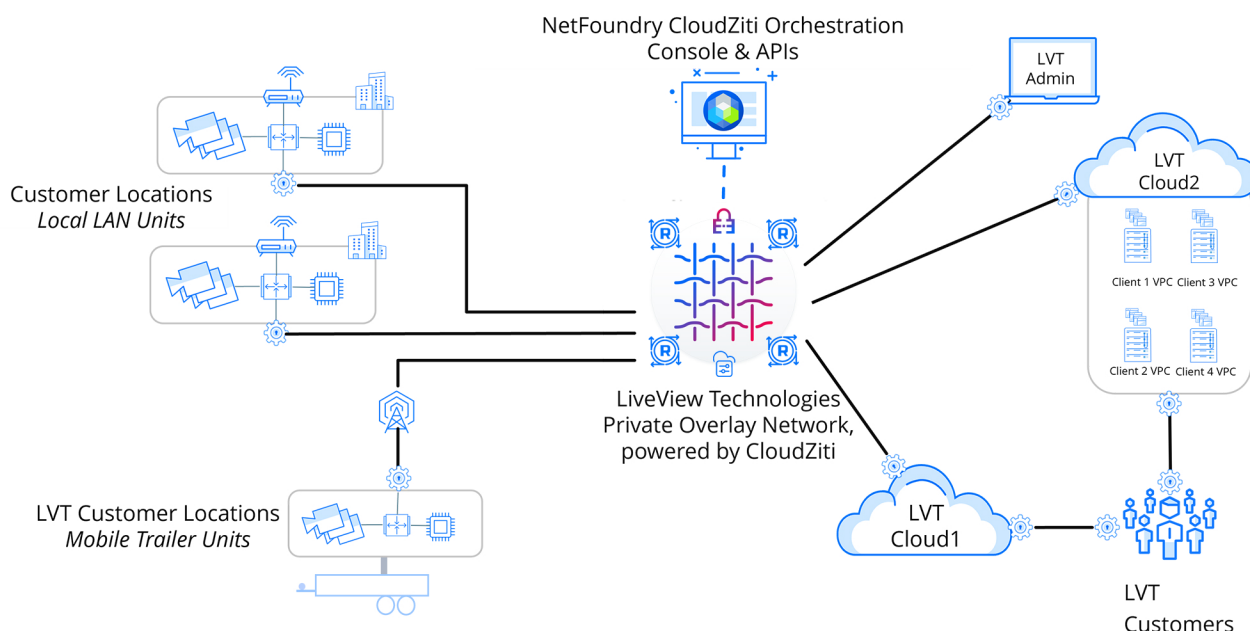


Minimized latency as endpoints dynamically choose the best path available on the private IoT network overlay, and every session is routed direct to its destination (eliminate backhaul).



Data security has always been a top priority for LVT. Our clients use LVT Units to protect their customers, employees, and properties from criminals. We are committed to making the world a safer place, and we are just as committed to protecting our clients' data and information. Partnering with NetFoundry isn't just a way to accomplish this, but the best way."

- Steve Lindsey, CTO and CIO for LVT





SIMPLE, SECURE HIGH-PERFORMANCE IOT REMOTE MANAGEMENT

Managing IoT deployments with remote management tools made for IT is often clunky. The forced tradeoff between security, simplicity, and performance is often unacceptable. The CloudZiti software platform eliminates the tradeoff and simplifies the deployment by taking care of both remote management and IoT data delivery.



CLOSE FIREWALLS

Close all inbound firewall ports for any data flow including remote management, OTA updates, log collection, and data transfer



LOWER COSTS

Eliminating VPN, IP address and firewall management decreases trouble tickets by 20% - 40%, saving \$4M per breach with improved security



INCREASE VELOCITY

Simplify the challenges of IoT migrations from offline to connected environments. Enable secure connectivity anywhere, over any underlying network

GET STARTED TODAY

CloudZiti is available in three tiered options: Teams, Growth, and Enterprise. The free Teams version allows you to use CloudZiti on your own.

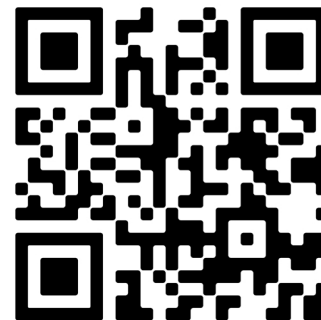
SIGN UP FOR FREE



SCHEDULE A MEETING

Our solution architects are available to discuss your unique IoT challenges and cater a demo to meet your specific use case.

BOOK A DEMO



ABOUT NETFOUNDRY

NetFoundry delivers the CloudZiti private IoT fabric – the world's first programmable, cloud native, zero trust network with near unlimited scale, concurrency, and performance. CloudZiti enables organizations to integrate IoT management, security, and networking as part of a simple solution, and control it from the cloud. NetFoundry transforms secure networking into a developer platform and provides the flexibility of SaaS and open source options.