NETFOUNDRY™

Zero Trust Security and Secure Remote Access

Public Sector Power Generation Company implements NetFoundry in less than 6 hours

CASE STUDY

The global pandemic of 2020 created an unprecedented need for business and public offices to move to a remote work model overnight. This case study details how a public sector organization that operates thermal and hydro power generation stations implemented a secure remote connectivity solution for its employees in less than 6 hours. Also, it was essential for this solution to provide unhindered and consistent application performance and highest level security against cyberattacks.

NetFoundry Secures Remote Access for Employees

The public sector organization has 300+ remote workers that needed to be connected to their enterprise applications securely during lockdown/shelter-in-place orders during the 2020 pandemic. Given this organization operates critical electric power generation infrastructure, it was imperative to for them maintain business operations and to respond to the lockdown order immediately.

The NetFoundry Platform was evaluated and implemented to securely connect personal computer and laptop equipped remote users to their mission critical applications that were hosted in private data centers in multiple locations across the country. Secure access from smart phones was also implemented. The end to end secure remote access solution with configuration in the cloud was completely rolled out in less than six hours.

The military-grade 'Zero Trust Dark Network' from NetFoundry eliminates risks from targeted security attacks that have otherwise been on rise with traditional VPN solutions. In addition, because NetFoundry is a software-defined solution, the deployment required no specialized hardware to be installed.
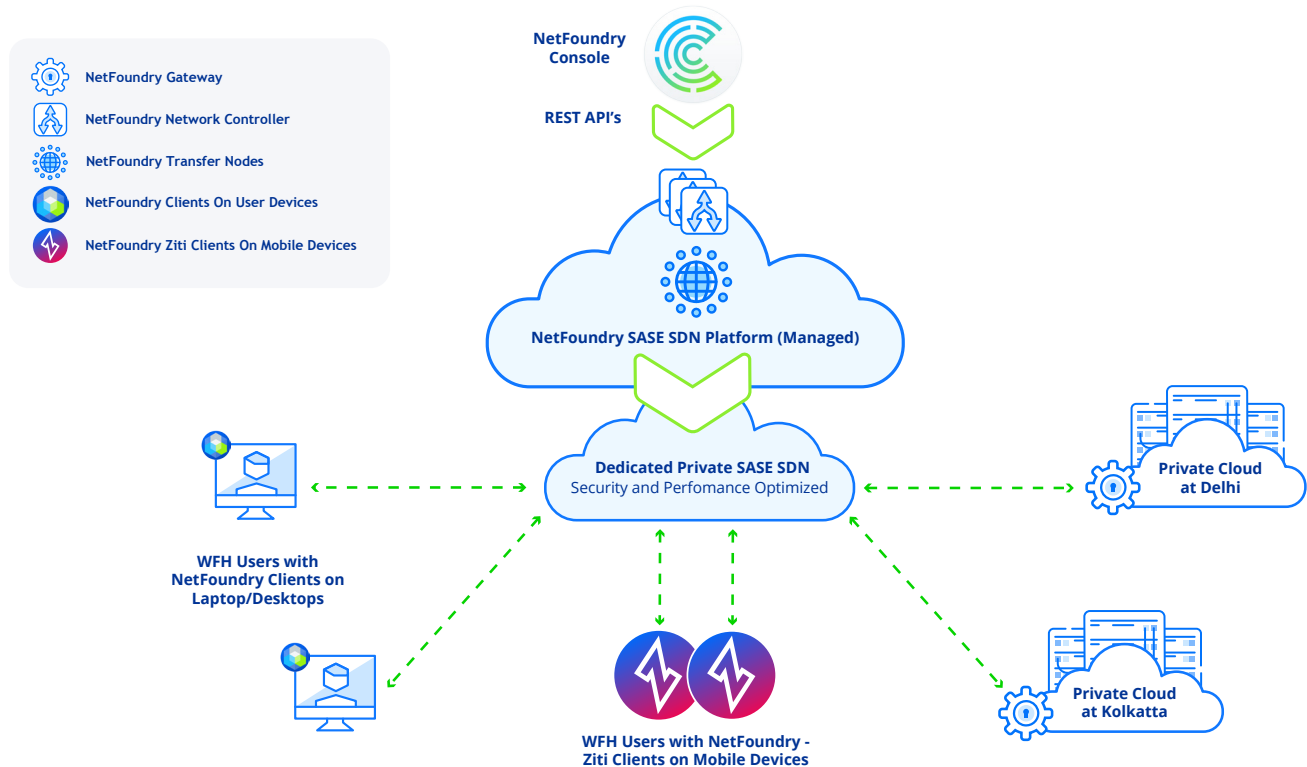
NetFoundry's performance optimization helped overcome the negative impacts of packet loss, jitter and throughput issues common with applications running over broadband internet connections. This was achieved by virtue of Net-Foundry's approach of improving performance by optimizing multiple internet routes in the core fabric, TCP to UDP optimization, and ability to ensure no-loss data transmission.

THE BENEFITS

• The solution was up-and-running before the country wide lockdown could affect operations

• Implementation was completed in less than 6 hours

• No hardware procurement or installation was involved

• Two data centers were connected in few minutes

• 200+ employees are now connected over a highly secure encrypted NaaS

• **3X** improved app performance compared to conventional VPN connections

• **30%** cheaper than VPN

• Simple, efficient management with a Cloud based NaaS platform

NetFoundry For Remote Workers

NetFoundry Gateway

NetFoundry Network Controller

NetFoundry Transfer Nodes

NetFoundry Clients On User Devices

NetFoundry Ziti Clients On Mobile Devices

NetFoundry Console

REST API's

NetFoundry SASE SDN Platform (Managed)

Dedicated Private SASE SDN
Security and Perfomance Optimized

WFH Users with
NetFoundry Clients on
Laptop/Desktops

WFH Users with NetFoundry -
Ziti Clients on Mobile Devices

Private Cloud
at Delhi

Private Cloud
at Kolkatta

ABOUT NETFOUNDRY

NetFoundry is the leader in Cloud Native Networking, enabling businesses to simply, securely and cost-effectively connect distributed applications across edges, clouds and service meshes. The NetFoundry platform, delivered as SaaS, enables businesses to connect applications without the costs and complexity of VPNs, custom hardware and private circuits. NetFoundry's platform is accessed via APIs, SDKs and DevOps tools integrations, enabling practitioners, application developers, and network administrators to get the levels of automation and agility which are only possible with connectivity-as-code. NetFoundry is headquartered in Charlotte, North Carolina, with offices in California, Colorado, New York, London, Bangalore, and Singapore.

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