

Building the Digital Backbone

How NetX Enabled NACIN's New Training Campus with Robust Connectivity

Introduction

The National Academy of Customs, Indirect Taxes, and Narcotics (NACIN) stands as a linchpin in India's economic and security apparatus. Its recent relocation to a state-of-the-art campus in the tier-3 city of Palasamudram, Andhra Pradesh, marked a new and important phase in its development. At the heart of this transformation was the creation of a strong, adaptable, and secure network system. This case study delves into the complexities of building a digital backbone for such a critical institution in a relatively remote location, highlighting the pivotal role played by NetX, India's first digital network lifecycle management platform.

Background



The National Academy of Customs, Indirect Taxes & Narcotics (NACIN) stands as the apex training institution of the Government of India. Tasked with capacity building and skill development in Customs, Indirect Taxes, and Narcotics, NACIN operates under the administrative control of the Central Board of Indirect Taxes and Customs (CBIC), Department of Revenue, Ministry of Finance. With its headquarters in Faridabad, NACIN's extensive network includes 16 Zonal Training Institutes, 2 Regional Training Institutes, a Centre of Excellence, and a Multi-Disciplinary School of Economic Intelligence.

In a significant expansion move, NACIN inaugurated a new campus on January 16, 2024, in Palasamudram Village, Sri Sathya Sai Puttaparthi District, Andhra Pradesh. This campus, spread over 500 acres, will soon become the headquarters of NACIN. The grand opening event was graced by Prime Minister Narendra Modi, along with other distinguished dignitaries, marking a milestone in the government's efforts to train the next generation of customs, tax, and narcotics officers.



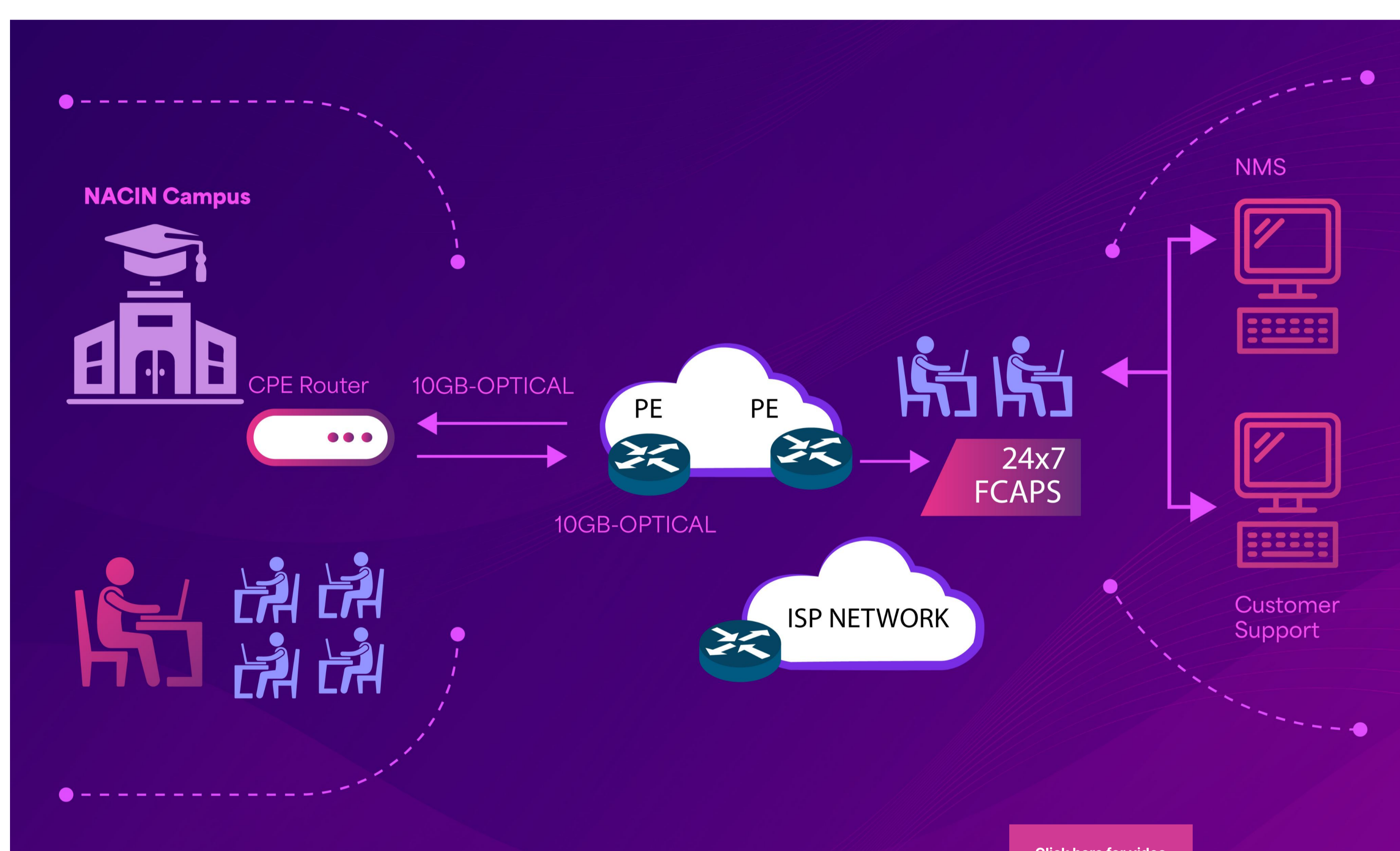
Challenges



The establishment of the new campus presented unique challenges, particularly in securing reliable and high-speed internet connectivity in a remote location like Palasamudram Village. NACIN had a clear vision for a strong, reliable network capable of handling an initial 2 Gbps bandwidth, with scalability up to 5 Gbps to support its expanding programs and international collaborations. This connectivity was crucial for the seamless operation of their training modules, administrative functions, and secure communication channels.

NetX's Solution: Premium Leased Lines

NetX emerged as the solution provider, winning the tender bid against major industry giants. Our approach was to deliver premium leased lines that would meet NACIN's stringent requirements. Here's how we achieved this:



Discovery and Partnership

We identified the nearest partner in Palasamudram Village, leveraging local resources to establish a foundational network.

Technical Implementation

The network was delivered from the nearest Point of Presence (PoP). Utilizing advanced fiber-optic technology, we ensured low-latency and high-reliability connectivity.

Security and Reliability

Security was a top priority. Our network infrastructure included multiple layers of security protocols to safeguard data transmission. Leased lines were chosen over broadband due to their dedicated bandwidth, ensuring consistent and uninterrupted service.

Scalability

The network was designed with future scalability in mind, allowing easy upgrades to 5 Gbps as NACIN's needs grow.

Outcome

With the implementation of NetX's premium leased lines, NACIN's new campus at Palasamudram is now equipped with a powerful and reliable network. This connectivity forms the backbone of their training programs, administrative operations, and international collaborations, ensuring that NACIN continues to lead in capacity building and skill development.

Conclusion

This case study showcases CelerityX capability to deliver high-quality, reliable network solutions in challenging environments. Our successful collaboration with NACIN underscores our commitment to excellence and our ability to support the digital infrastructure needs of leading institutions. As NACIN looks to the future, NetX stands ready to support their journey with scalable and secure network solutions.