

The Customer's Business

Customer is a private sector bank in India, founded in 2004. Customer provides a comprehensive range of financial services, including corporate and institutional banking, commercial banking, investment banking, and retail banking. Its primary focus has been on corporate and institutional banking, offering services such as trade finance, cash management, treasury services, and investment banking. They have also placed significant emphasis on digital banking, leveraging technology to enhance their customer experience and operational efficiency.

Customer has focuses to improve governance and strengthen the bank's financial health along with robust risk management, corporate governance, and regulatory oversight in the banking sector.

The Need for a Solution.

In today's rapidly evolving banking landscape, the need for scalable, high-performance, and reliable IT infrastructure is paramount. Modern IT infrastructure is crucial for enhancing customer experience, ensuring operational efficiency, maintaining security and compliance, and supporting scalability and innovation. Customer to achieve enhanced customer experience while adopting cutting-edge solutions.

This case study highlights how Wysetek addressed the challenges posed by increasing application demands through the strategic expansion of our deployed ACI solution and explore how we met Customers growing demands.

Customer effectively addressed the challenge of increasing application demands and port saturation within our data center infrastructure. By leveraging Cisco's Application Centric Infrastructure (ACI), we successfully expanded our capacity and enhanced the performance and reliability of our banking services.

- ❖ **Addressing Increasing Application Demands:** In response to the modern banking requirements, we needed to support high-bandwidth applications such as real-time analytics, video conferencing, and cloud-based services. These applications are crucial for delivering seamless and efficient digital banking experiences that meet the growing expectations of our customers.
- ❖ **Challenges of Port Saturation:** Our existing ACI Multipod environment had reached its maximum port capacity, leading to potential bottlenecks and performance issues. This saturation risked degrading the quality of our services, increasing latency, and reducing throughput, which could negatively impact customer satisfaction.
- ❖ **Strategic Infrastructure Expansion:** To address these challenges, we strategically constructed a new pod, Cage 3, within our ACI Multipod environment. This expansion significantly increased our network capacity, alleviated port saturation, and ensured that we can scale our infrastructure to meet future demands without compromising performance.

Key Benefits of ACI Multipod Cage 3 Migration

- ❖ **Scalability:** Supports extensive network growth by allowing deployment across up to 12 pods.

Accommodates a higher number of leaf switches and spines.

- ❖ **High Availability:** Ensures minimal downtime with enhanced redundancy and failover mechanisms. Utilizes dynamic route learning and load balancing for efficient traffic distribution.
- ❖ **Resource Optimization:** Prevents port saturation with efficient resource utilization. Supports device and auxiliary device virtualization for optimal performance.
- ❖ **Future-Proof Infrastructure:** Scalable architecture ready for future expansion. Regular updates ensure the network remains secure and up-to-date.
- ❖ The resilient architecture ensures continuous service by incorporating superior fault tolerance and self-recovery features.
- ❖ **Reduced Total Cost of Ownership (TCO):** Optimized infrastructure reduces the need for frequent upgrades. Efficient resource management leads to cost savings.
- ❖

Overview of the Solution

To effectively tackle the challenge of increasing application demands and port saturation, we executed a strategic expansion of our Cisco Application Centric Infrastructure (ACI) Multipod environment. Cisco ACI helped customer resolve their existing requirements and achieve following additional benefits which they could leverage in their banking environment.

- Enhanced Security and Compliance
- Agility and Flexibility
- Simplified Management and Automation
- Improved Application Performance
- Cost Efficiency

Note:-

Cisco Product: Cisco ACI