**Strengthening Cyber security at Punjab National Bank with Multi-Factor Authentication**

**Introduction**

**Punjab National Bank (PNB)**, one of India’s largest public sector banks, embarked on a critical cybersecurity initiative to protect its nationwide operations and ensure the safety of sensitive financial data. To achieve this, **Nikom Infrasolutions Pvt. Ltd.** was tasked with implementing a **Multi-Factor Authentication (MFA)** system across PNB’s data centers. This project is a part of PNB’s ongoing efforts to bolster its cybersecurity defenses, safeguarding both customer data and banking operations across the country.

**Project Objective**

The primary objective of this project was to deploy **Multi-Factor Authentication (MFA)** at PNB’s data centers, ensuring an additional layer of security for user authentication and access control. By leveraging **ArcSight SIEM (Security Information and Event Management) Solution** from **Micro Focus**, the implementation aimed to secure PNB’s operations nationwide, mitigating the risks of cyber threats and unauthorized access.

**Scope of Work**

Nikom’s responsibilities included:

* **Implementation of Multi-Factor Authentication** across all PNB data centers and branches nationwide.
* **Technology**: Deployment of the **ArcSight SIEM Solution** to monitor, detect, and respond to potential cybersecurity threats in real-time.
* Ensuring seamless integration of MFA with existing IT infrastructure at PNB’s **data centers** and providing a robust authentication framework.

**Project Highlights**

* **Region**: Pan India
* **Project Value**: ₹9.67 Crores Approx.
* **Technology Stack**: **ArcSight SIEM Solution** for real-time threat monitoring and response.
* **OEM**: **Micro Focus**.
* **Key Achievements**:
  + **100% completion** of the project, ensuring a smooth rollout of **100,000 licenses** across the PNB network.
  + Enhanced cybersecurity framework through the integration of MFA, reducing vulnerabilities and ensuring secure access for PNB’s workforce and critical banking systems.

**Conclusion**

With the successful implementation of **Multi-Factor Authentication** and the **ArcSight SIEM Solution**, **Nikom Infrasolutions** has fortified the cybersecurity infrastructure of **Punjab National Bank**. By delivering this robust solution across PNB’s nationwide network, Nikom has helped ensure the bank’s resilience against evolving cyber threats, safeguarding critical banking operations and sensitive customer data. This project further underscores PNB’s commitment to cybersecurity excellence and **Nikom’s** expertise in delivering large-scale, secure IT solutions.