



পূবালী ব্যাংক পিএলসি.  
PUBALI BANK PLC.

PBPLC/HO/ICTOD/ADDS (ATM/CRM)/

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**Supplying Active Directory Domain Service Migration/ Segregation with new Domain and New Forest for ATM/CRM Services of Pubali Bank PLC.**



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## EXECUTIVE SUMMARY

To meet security and operational compliance of organization **PUBALI BANK PLC** has implemented the **Microsoft's Active Directory Domain Service (ADDS)** in IT infrastructure. This solution consolidates and optimizes IT operation management and control of its infrastructure system and application platforms. Purpose of this engagement is to:

- Envision, design and implement an infrastructure and application management solution addressing the key challenges.
- Prepare a high available and centralized user management solution for **PUBALI BANK PLC** infrastructure solution.
- Fulfil all individual business and technical objectives and verify they have been completed through the engagement.

## BACKGROUND

Through migration, up-gradation and implementation of the solutions, **PUBALI BANK PLC** is aiming to gain the following benefits:

- 1. Centralized Identity and Access Management:** Active Directory Domain Serves as a central repository for user accounts, allowing organizations to manage and control user access to various network resources. It simplifies the process of granting and revoking permissions for users, computers, and other objects, enhancing security and streamlining administration.
- 2. Single Sign-On (SSO) Capability:** Active Directory enables users to log in once with their credentials and access multiple resources within the domain without needing to authenticate separately for each resource.
- 3. Scalability and Flexibility:** Active Directory is designed to support large and complex network environments, allowing organizations to scale their infrastructure as they grow. It provides the ability to create multiple domains, forests, and trusts to meet the specific requirements of an organization's structure.
- 4. Group Policy Management:** Active Directory Group Policy allows administrators to define and enforce policies for users and computers within the domain. This feature enables the centralized management of security settings, software installation, and other configurations, ensuring consistent and secure computing environments.



5. **Integration with Other Microsoft Technologies:** Active Directory seamlessly integrates with other Microsoft technologies such as Exchange Server, SharePoint, and Microsoft Azure. This integration enables efficient collaboration, unified authentication, and simplified administration across different Microsoft platforms.
6. **Security and Auditing:** Active Directory provides robust security features, including authentication protocols, password policies, and fine-grained access control. It also supports auditing and logging capabilities, allowing administrators to track changes, monitor events, and troubleshoot issues effectively.
7. **RBAC:** Roles-based access helps protect key resources.
8. **Cost-effective:** Lower IT costs with a flexible and reliable platform.
9. **Protection:** Manage IT security and protection
10. **Compliance:** Maintain ICT operational compliance for regulatory authority.

Overall, Active Directory simplifies network management, enhances security, improves user productivity, and enables seamless integration with a wide range of Microsoft and third-party technologies, making it a valuable tool for organizations using Windows-based network environments.

### **Implementation Scope of Work:**

#### **1. Assessment of Existing Infrastructure:**

- Analyze the existing AD environment, including domain structure, forest structure.

#### **2. Planning and Design:**

- Define the target AD architecture, including the number of domains, domain controllers, sites, and OUs.
- Determine the migration approach.
- Develop a migration plan, including timelines, resource requirements, and dependencies.
- Identify any potential risks and mitigation strategies.
- Define the scope and criteria for user and group migration.

#### **3. Infrastructure Preparation:**

- Install and configure the new AD infrastructure, including domain controllers and DNS servers.
- Ensure appropriate network connectivity and replication between the source and target domains.

