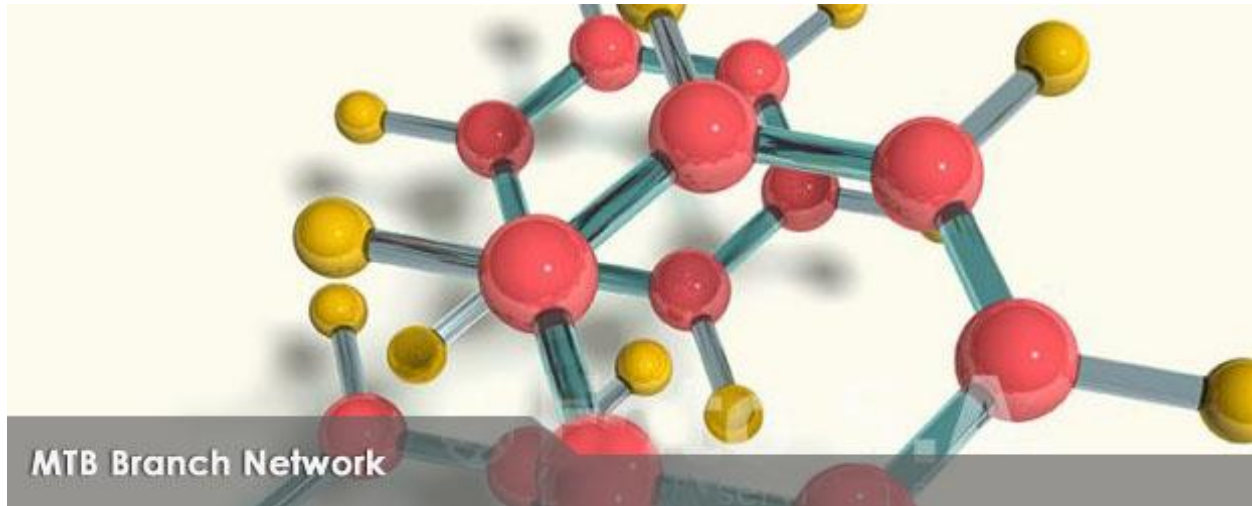




মিউচুয়াল ট্রাস্ট ব্যাংক লিমিটেড  
**Mutual Trust Bank Ltd.**  
*you can bank on us*



## MTBL at a glance

The Company was incorporated as a Public Limited Company in 1999, under the Companies Act 1994, with an Authorized Share Capital of **BDT 1,000,000,000** divided into 10,000,000 ordinary shares of BDT 100 each.

The Company was also issued Certificate for Commencement of Business on the same day and was granted license on October 05, 1999 by **Bangladesh Bank** under the Banking Companies Act 1991 and started its banking operation on October 24, 1999.

As envisaged in the Memorandum of Association and as licensed by Bangladesh Bank under the provisions of the Banking Companies Act 1991, the Company started its banking operation and entitled to carry out the following types of banking business:

» **Wholesale Banking** » **Retail Banking** » **International Trade Financing** » **Small and Medium Enterprises (SME) Banking** » **NRB Banking** » **Privilege Banking** » **Card Services** » **Treasury Operations**

They have a heterogeneous network consisting of mixture of Windows, Apple clients and various Smart Phones and 200 more branches. End users require always on anywhere access to their email, remote access to the network data, Mail data, 24/7/265 mail services with high availability. Users also require around the clock access to this data.

*“Spectrum’s participation in implementing DWDM Backbone, MPLS Backbone and Unified Communication had significantly impacted the entire project **positively**. The team had done great job and we appreciate that.”*

*Name*

## The IT demands are:

- Email access with web, outlook, mobile etc.
- Database server, Group Mail, Distribution groups, transport rules
- Central management for users and computer
- Role based policy management
- USB restriction, Wallpaper, Desktop, drive restriction , roaming profile policy
- Users able to work from any computer
- Reduce Bandwidth cost
- Backup solution and restore
- Windows XP Professional and Windows 7 clients
- Centrally download updates and push all machine from central server

## Requirements

- Managing all DC and DR servers, and all users computer
- The servers were expensive to manage and server downtime (failures, maintenance etc.) was affecting the business.
- Similar/ reliable infrastructure
- A more cost effective solution
- Less downtime, site recovery when failed one site
- Prevent lost any data
- Secure network and system
- Central management users rules and accessibility for head office, principal branch and all branch offices
- Central Authentication and authorization from central server
- Common mail server for all users
- Mail server redundancy for
- application and database both

## Supplements for the Demands

- ✓ Active Directory Domain Services (AD DS) for user authentication and authorization.
- ✓ Active Directory Federation Services (AD FS)
- ✓ Active Directory Certificate Services (AD CS) for certificate services
- ✓ Domain Naming Service (DNS) for name to IP and IP to Name conversation
- ✓ SQL server for Data Base management
- ✓ Exchange server with Database Availability Group (DAG) for Data base cluster.
- ✓ System Center Configuration Management (SCCM) for auto Operating systems deploy, Manual/automatic patch deploy, customized package deploy
- ✓ Office Lync for IM, Audio, Video, conference
- ✓ Group Policy management for group/OU/ users based policy deploy
- ✓ Windows Server Update Service (WSUS) for patch download and push to user's computers and servers.
- ✓ Storage Area Network (SAN) for storage operation for data store.
- ✓ DC and DR with replication

## Benefits to Mutual Trust Bank Limited:

- Cost Reduced
- Less electricity is used to power the servers savings costs
- Less electricity is required to cool the servers saving costs
- Core Parking in Server 2008 R2 saves energy by shutting down the cores which are not being used saving costs
- Certain jobs are now scriptable thanks to Power Shell and may be run at off peak times
- 99.99% Uptime
- Services may be moved from one site to another site preventing downtime
- Easy to manage computer and Users centrally

<ul style="list-style-type: none"> <li>✓ Highly Available Clustered scenario using iSCSI storage.</li> <li>✓ Failover Cluster on two Mail box role server</li> <li>✓ Hyper-V role for virtualization and replication for cluster servers.</li> <li>✓ Network Load Balancing on three Mail Application servers</li> <li>✓ Separate Authentication and mail access for internal and external users</li> </ul>	<ul style="list-style-type: none"> <li>➤ Can update push manually or automatically</li> <li>➤ Bandwidth cost reduce</li> </ul>