Teletalk, the only operator in Bangladesh with 100% native technical and engineering human resource base.

Teletalk Bangladesh Limited is a public limited company, registered under the Registrar of the Joint stock companies of Bangladesh. Total shares owned by the Government of the People's Republic of Bangladesh.

We continue to grow and engage our customers through our clear commitment to offering high quality products and services as well as leading customer retention and loyalty programmers.

Teletalk continues to be a part of the revolution that's connecting millions of Bangladeshi people and around the world.

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.

User Requirements

Users also require around the clock access to this data.

- 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

The drawbacks Teletalk were to encounter during communication	SPECTRUM made it possible filling the gaps

The drawbacks Teletalk were to encounter during communication

- Managing all DC and DR servers, and all users computer
- The servers were expensive to manage and server downtime (failures, maintenance etc.) was a effecting 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

SPECTRUM made it possible filling the gaps

- ✓ Active Directory Domain Services (AD DS) for user authentication and authorization.
- ✓ Additional Domain Controller for domain controller HA.
- ✓ 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
- ✓ Virtualization with VMware vSphere
- ✓ Highly Available Clustered scenario using iSCSI storage.
- ✓ Failover Cluster on three Mail box role server
- ✓ Network Load Balancing on three Mail Application servers
- ✓ Separate Authentication and mail access for internal and external users

The gains now Teletalk gives to the consumers

- ➢ 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
- ➢ Can update push manually or automatically
- ➢ Bandwidth cost reduce