

## **Burnaby based Company improves the e-mail speed and reliability with Exchange 2003 and Windows 2003 Server, greatly improving productivity**

**Blueprof IT Consultant successfully migrates the existing Exchange 2000 mailboxes from an old white-box server to Exchange 2003 on a brand new HP ProLiant server and upgrades the existing Windows 2000 server to Windows 2003 Server**

### **Scope**

The client needs a faster, more reliable e-mail server for over 200 users. The old server was responsible for several important down-times affecting the productivity and the image of the company.

Technical specifications of the existing setup:

Two low-end servers, domain controllers in a domain

- S1 - Windows 2000 Server, Primary Domain Controller, DNS, Exchange 2000 migrated from Exchange 5.5 and containing 208 mailboxes, OWA (IIS with basic authentication, SSL, Verisign Certificate).
- S2 - Windows 2000 Server, secondary DC, DNS, DHCP.

### **Solution**

One HP ML370 server with Windows Server 2003 Enterprise with the last issued updated security patches from Microsoft and Exchange 2003 Server.

One Windows 2003 Server licence for one of the existing servers

### **Results**

With improved hardware and a state of the art disc array, this server is more reliable and powerful, so it will speed up the e-mail transactions while reducing the down-times.

The old servers are now faster for file sharing and database applications since the e-mails and other services are moved to the new server.

Hours quoted: 18hr – **fixed quote** | Hours worked: 21hr (because of an unexpected error while moving mailboxes, fixed by a Microsoft hotfix )

**The Blueprof's client pays the same amount, as quoted**, thanks to our fixed quote price protection guarantee.

### **Conclusion**

With few thousand dollars investment, the client drastically improves the productivity of about 200 employees and avoids unpleasant, money wasting, and frustrating downtimes.

## Technical How-To (please note: geek language ahead):

After the hardware installation and Windows 2003 Server setup/configuration:

- On S1 server (the server that holds the Schema master FSMO role) the migration was prepared following these steps:

1. **setup /forestprep** from the Exchange Server 2003 CD. The changes were replicated throughout the forest.
2. **setup /domainprep** from the Exchange Server 2003 CD (note: this is the server holding the PDC Emulator role)
3. **adprep /forestprep** from Windows Server 2003 CD (from an account member of Schema Admins). The changes were replicated throughout the forest.
4. **adprep /domainprep** from Windows Server 2003 CD on the Windows 2000 server.
5. **Upgrade to Exchange 2003** the existing Exchange 2000 installation
6. **SP1 for Exchange 2003**

Additional reading:

[822942](#): Consideration when you upgrade to Exchange Server 2003

- On the new HP ML370 Server:

7. **dcpromo** for join this server to the domain
8. **Install Exchange 2003 + SP1**
9. **Move mailboxes** from S1 (note: an occurred error has been solved by Microsoft hotfix related to KB843279)  
Additional reading: [821829](#): Moving Mailboxes in Exchange Server 2003
10. After the mailboxes moving operation successfully finished the Exchange uninstall was performed on S1 server.  
Additional reading:  
[189286](#): How to Delete a Server from a Site  
[152959](#): How to Remove the First Exchange Server in a Site
11. DNS role was configured on the new server
12. OWA with IIS basic authentication configured, with SSL and Verisign certificate
13. FSMO Roles from S1 have been transferred to the new HP server with NTDSutil tool
  - Schema Master
  - Domain Naming Master
  - RID Master
  - PDC emulatorNote: The infrastructure master role runs on S2 Server.

Additional resources:

Solution Accelerator for Exchange Consolidation and Migration.

[301460](#): Exchange Command-Line Parameters for the Isinteg.exe Tool

[314649](#): Windows Server 2003 adprep /forestprep Command Causes Mangled Attributes in Windows 2000 Forests That Contain Exchange 2000 Servers.

[285172](#): Schema Updates Require Write Access to Schema in Active Directory

[815372](#): How to optimize memory usage in Exchange Server 2003