

Microsoft Exchange 2010/2013

Whether deploying or developing 2010 or moving to 2013, BDS Solutions deliver manageable and secure Exchange platforms



BDS Solutions deployed its first Exchange platform over 20 years ago and the technology has been at the centre of our business ever since. Having worked with all versions of Exchange since 5.5, we recognise Exchange 2010, and now 2013, as a significant step forward in terms of security, scalability and accessibility.

BDS deliver:
Requirements Analysis
Technical Design
Deployment
Migration
Compliance
Training, Support and
Maintenance

Here are some of the advancements that make compelling reasons for considering adoption of Exchange 2010/2013

Database Availability Groups (DAGs) - provide perpetual replication of mailbox databases without the need for clustering. These database copies will be activated by Exchange should the server hosting the live copy become unavailable. This intelligent data replication provides extremely high levels of availability for mission critical installations.

Client Access Server (CAS) arrays—in addition to DAGs, Exchange introduces CAS arrays. With all client communication now going via CAS servers, an array provides further resilience by ensuring that failure of one CAS server within a domain does not disrupt client connectivity.

Mobility—security for iPads, iPhones and other mobile devices can be controlled through policies in Exchange and ActiveSync. This ensures that data is encrypted, devices implement appropriate access controls and that in the event of loss, remote reset can be invoked.

Hardware efficiencies—Exchange 2010 and subsequently 2013, evolves many of the architectural advancements introduced in 2007. Efficient hardware utilisation allows multiple roles to be hosted on a single server and large mailbox support to be improved.

Archiving — in-built archiving allows secondary mailboxes to be created enabling greater retention to be achieved without the need for 3rd party archiving solutions. Exchange also better supports compliance requirements by providing recoverable deletions and improved legal search capabilities.

Rich User Experience — improvements in Outlook Web Access now provide a similar experience to the desktop version and it is now supported across many popular browsers. Within Outlook, enhanced functionality allows users to request group membership, customise voicemail menus and configure advanced mailbox management rules.

For more information please contact BDS Solutions
on **01884 33440** or visit **bds-solutions.co.uk**

BDS Solutions is a technology partner for NHS organisations throughout the country. BDS deliver, develop and support Microsoft, VMware, Citrix and Dell products together with associated 3rd party and in-house developed security and management software. BDS Solutions is ISO9001:2008 accredited, IGSoc compliant and provides dedicated service desk support for NHS organisations via N3.

Microsoft Partner

Gold Datacenter
Silver Identity and Access
Silver Devices and Deployment
Silver Application Development
Silver Data Platform
Silver Hosting



Exchange 2010: **Testimonial**

Exchange 2010 for East Lancashire Primary Care

The combined electronic messaging and collaboration requirements of East Lancashire Primary Care Community was based on a Microsoft Exchange 2003 Active / Passive Cluster providing Outlook Web Access, MAPI and Mobile services. Following the decision to upgrade, the East Lancashire Primary Care Informatics Unit (PCIU) engaged BDS to design and implement Exchange 2010.

The customer wished to utilise virtualised hardware to host the upgraded Operating Systems and Exchange services. BDS worked with the PCIU to analyse storage requirements for the Exchange 2010 databases and to assure the hardware performance of the VMware ESX servers that would host all the Exchange services.

The project provided the opportunity to deliver a cross-site disaster recovery capability between the primary production Active Directory site and a secondary failover site. Taking advantage of the new facilities in Exchange 2010, a network load-balanced Client Access Server array and a Database Availability Group was configured to provide perpetual replication of databases to the secondary site. The combination of these configuration options provided optimum client connectivity, high availability and resilience.

In addition to the Mailbox and CAS roles, BDS also enhanced security at the network perimeter. An upgraded Exchange 2010 Edge Server with its enhanced spam filtering was deployed along with Forefront Gateway server to provide improved security over remote clients.

BDS consultants provided guidance over the migration to the new Exchange 2010 platform providing a phased approach to permit co-existence to ensure that production capability was not affected during the deployment. The project successfully delivered improved performance, resilience, security and usability for the community which is now run by the Midlands & Lancashire CSU.



“BDS designed and delivered our Exchange 2010 solution. The implementation was quick and well supported by their service desk. An effective and well delivered solution.”

IT Operations Manager,
Midlands & Lancashire CSU

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