OCCO Nexus Update

Matthew Gaskin / Tom Mill Nexus Senior System Specialists



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What are we going to talk about?

- 1. History of Nexus and Exchange 2007
- 2. What lessons have we learned?
- 3. Why migrate to Exchange 2010?
- 4. What is the Exchange 2010 design?



'Did I mention that the Tree of Knowledge comes with an £8,000 tuition fee?'

History of Nexus and Exchange 2007



Lessons Learned

- Interactions with other systems (SSO OAK LDAP, Oxmail, Webreg)
- Large messages
- Out-of-scope functionality requests
- User unfamiliarity
- Black-holed leavers' mailboxes
- Large quota handling
- BlackBerry contracts
- Custom APIs



Lessons Learned Custom APIs

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A	В	С	D		E	F	G	Н	
N.B. Webreg = standard Wel				Webreg for Reg team is	"Webreg plus" with extra	fields/functional			
3 Method name	Created By	Last Edited By	Explanation	Where used	01	Intentional use		Outputs	Notes
4 ActiveSyncInfo.aspx	Pete Jones	Pete Jones	Recent activesync activities	In Webreg and /self/ne	xus	Possibly /itss as		· ·	tatistics on th
5 AddDelegation.aspx	Pete Jones	Pete Jones	Delegate mailbox	By Dave and Beth direct		Webreg for Reg			Mainly with
			Converts a mailuser to a user (ir		- 1	0	Username	-	Intended to
			Converts a user to a mailuser (ir				Username,	e -	Intended to
8 CreateProjectUser.aspx	Pete Jones	Pete Jones	Create a "project" e-mail accour				Username,		The correspo
			Create a resource (room / equip				Name, Disp		
0 CreateUser.aspx	Pete Jones	Pete Jones	Create a primary / secondary e-		terface. Also used by overr	night autoprovisio			The function
1 DeleteMailbox.aspx	Pete Jones	Pete Jones			tly or processes from Reg DI		Username	-	Detaches th
2 DisableDelivery.aspx	Pete Jones	Pete Jones		Webreg for Reg team in			Username	-	Only mail fr
3 EnableDelivery.aspx	Pete Jones	Pete Jones		Webreg for Reg team in			Username	-	Enables mai
4 EnableMailbox.aspx	Pete Jones	Pete Jones		By Dave and Beth direct			Username	-	Enables a m
5 FolderUsageInfo.aspx	Pete Jones	Pete Jones	List of folders and counts and di		.,		Username	Names of	folders, size
6 GetOOF.aspx			Gets the 'Oof' (out-of-office) me		cified user				ne,[Internal]
7 ListDelegation.aspx	Pete Jones	Pete Jones	Showing delegation within mail		cifica aser.		Username		ons that user
8 LockMailbox.aspx	Pete Jones	Pete Jones	showing delegation within hai	Webreg for Reg team in	terface		Username	-	Revokes use
9 LockUser.aspx	Pete Jones	Pete Jones		By Dave and Beth direct			Username	-	Disables the
0 MailboxesAtQuota.aspx			Reports on mailboxes at 'IssueV				osemane		on on each m
			Removes auto-forwarding on a		and e-man alerts to 1155.		Username	-	Removes th
2 RemoveDelegation.aspx	Pete Jones	Pete Jones	Kentoves auto-torwarding off a	By Dave and Beth direct	tly		Username(Nemoves th
23 RemoveUser.aspx	Pete Jones	Pete Jones		In overnight processes.	liy		Username	-	Removes the
4 SetEmailAddress.aspx	Pete Jones	Pete Jones		Webreg for Reg team in	torfaco		Username,		Kentoves the
25 SetExDirectory.aspx	Pete Jones	Pete Jones		Webreg for Reg team in			Username	-	Hides the sp
	Pete Jones	Pete Jones			nterface https://register.ou				Hides the sp
6 SetForwarding.aspx						cs.ox.ac.uk/sell/r			Catavaria
7 SetGAL.aspx	Pete Jones	Pete Jones		Can be used directly bu			Username,		Sets various
8 SetOOF.aspx	Pete Jones	Alexis O'Connor			tly. Maybe Webreg for Reg	t For ITSS Interna			
9 SetQuota.aspx	Pete Jones	Pete Jones			and Webreg for Reg team		Username,		
0 SetResourceDelegates.aspx			Sets the resource delegates on				Mailbox,De		
1 SetSPAMFilter.aspx	Pete Jones	Pete Jones	Octored and the det	Currently in use at /self			Username,		
2 SetValidEmailAddress.aspx	Pete Jones	Pete Jones	Set preferred email address	Currently in use at /self		h la constanta t	Username,		Our tallout
3 SharePhone.aspx	Pete Jones	Pete Jones			at the Exchange side) to ena	ible contacts to a		-	Grants 'Revi
4 UnlockMailbox.aspx	Pete Jones	Pete Jones		Webreg for Reg team in			Username	-	Grants use o
5 UnlockUser.aspx	Pete Jones	Pete Jones		By Dave and Beth direct			Username	-	Enables the
6 UnSetExDirectory.aspx	Pete Jones	Pete Jones		Webreg for Reg team in			Username	-	Sets the spe
7 UnSharePhone.aspx	Pete Jones	Pete Jones		See 'Where used' for Sh			Username	-	Revokes 'Re
8 UpdateUserExpiry.aspx	Pete Jones	Pete Jones		Webreg. Also called by	•		Username,		Specify whe
9 UserInfo.aspx	Pete Jones	Pete Jones	General information about the				Username	cess times	, forwarding
♦ ▶ ▶ Sheet1 / Sheet2 / S	heet3 / 🞾 /			1	4				1

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M	hy migrate to	Exchange 2010?
Bett	er OWA	Outlook ⁻ Web App
Imp	oroved storage model	Security (show explanation) This is a public or shared computer This is a private computer
		Use the light version of Outlook Web App
🗢 🔍 🗸 🕻	Henrik Walther - Outlook Web App - Mozilla Firefox story Bookmarks Bols Help C exchangelabs dl https://mail.exchangelabs.dk/towa/ Getting Started Blatest Headlines+ tiook Web App @	User name: Password: Sign in
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Obsoleted by: 3501

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Network Working Group Request for Comments: 2060 Obsoletes: 1730 Category: Standards Track

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INTERNET MESSAGE ACCESS PROTOCOL - VERSION 4rev1

Status of this Memo

This document specifies an Internet standards track protocol Internet community, and requests discussion and suggestions improvements. Please refer to the current edition of the "Ir Official Protocol Standards" (STD 1) for the standardization and status of this protocol. Distribution of this memo is un Abstract

The Internet Message Access Protocol, Version 4rev1 (IMAP4rev1 allows a client to access and manipulate electronic mail messa a server. IMAP4rev1 permits manipulation of remote message fo called "mailboxes", in a way that is functionally equivalent to mailboxes. IMAP4rev1 also provides the capability for an offl

client to resynchronize with the server (see also [IMAP-DISC]). IMAP4rev1 includes operations for creating, deleting, and renam

mailboxes; checking for new messages; permanently removing mess setting and clearing flags; [REC-822] and [MIME-IMB] Parsing; searching; and selective fetching of message attributes, texts, portions thereof. Messages in IMAP4rev1 are accessed by the use numbers. These numbers are either message sequence numbers or u

IMAP4rev1 supports a single server. A mechanism for accessing configuration information to support multiple TMAP4rov1 compare

Supported clients:

- Outlook 2003 and later (Windows & Mac)
- IMAP & POP clients
- Mac Mail / Entourage
- Outlook Web App (Premium support):
 - Internet Explorer, Firefox, Chrome (Windows), Safari (Mac)
- Mobile devices





Improved Storage Model

- Potential higher availability
- Lower cost storage

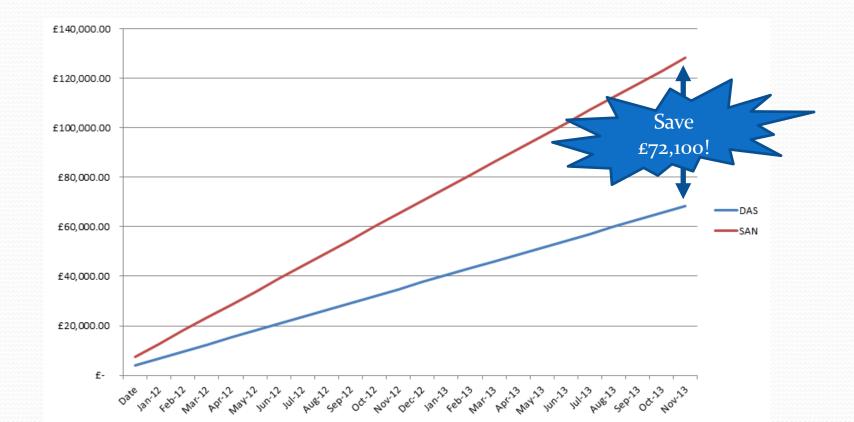


HP/Lefthand P4500 2U SAN 3Gb SAS (12xLFF)

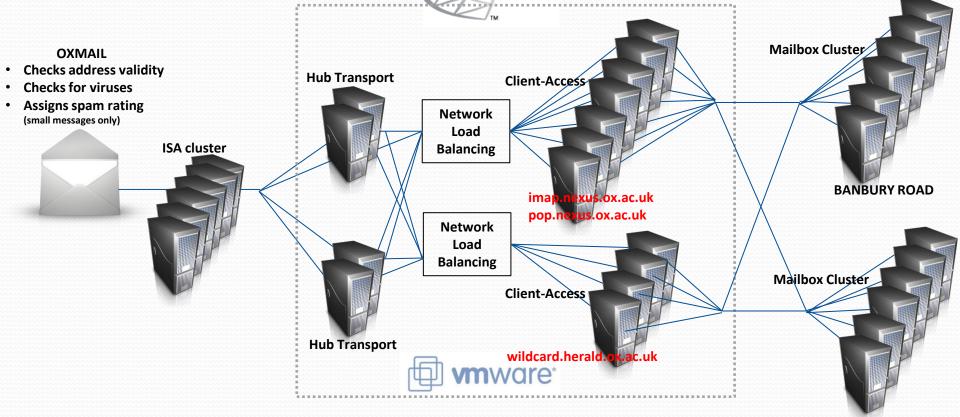


HP D2700 2U Direct-Attached disk enclosure 6Gb SAS (12xLFF or 25 SFF)

Lower cost storage

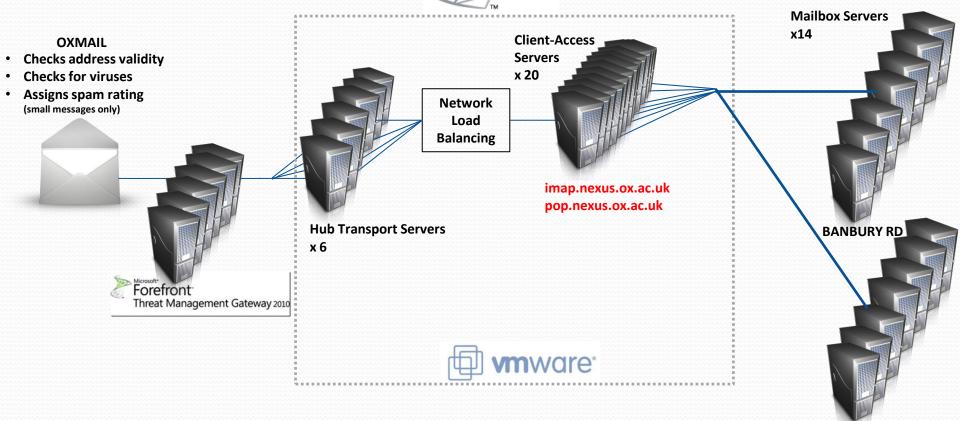


What is the Exchange 2010 design?



BEGBROKE

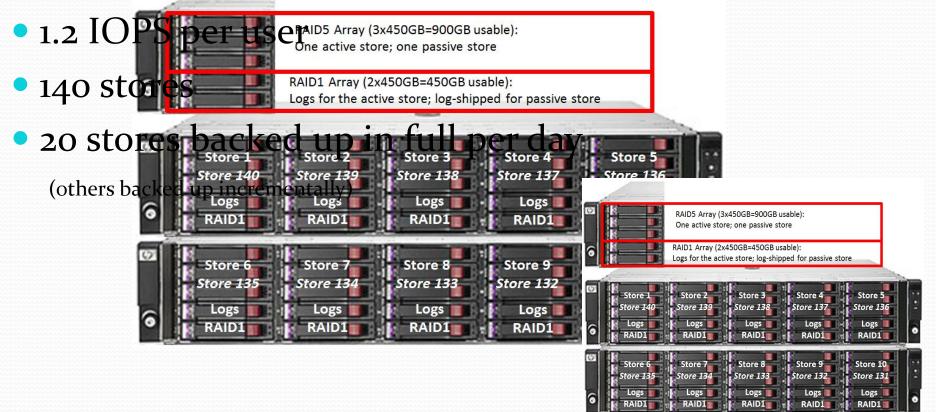
What is the Exchange 2010 design?



SHARED DATACENTRE

What is the Exchange 2010 design?

Fileshare witness at third location



Any Questions?



'Won't they ever leave? It's like trying to get rid of Colonel Gaddafi'

OCCE Nexus 2010

Matthew Gaskin / Tom Mill Nexus Senior System Specialists

