Exchange Hybrid servers:



Exchange On-Premises Exchange Online (Office 365)

Summary of Migration Options *

Simple Migrations

AP Migration

Email only (no calendar, contacts, or tasks) Cutover Exchange Migration (CEM) Good for fast, cutover migrations

No migration tool or computer required on-premises

Staged Exchange Migration (SEM)

No migration tool or computer required on-premises Requires Directory Synchronization with on-premises AD

Hybrid Deployment Manage users on-premise Enables cross-premises cr boarding

Manage users on-premises and online Enables cross-premises calendaring, smooth migration, and easy offboarding

	IMAP migration	Cutover migration	Staged migration	2010 Hybrid	2013 Hybrid	2016 Hybrid
Exchange 5.5	•					
Exchange 2000	•					
Exchange 2003	•	•	•	•		
Exchange 2007	•	•	•	•	•	
Exchange 2010	•	•		•	•	•
Exchange 2013	•	•			•	•
Exchange 2016						•
Notes/Domino	٠					
GroupWise	•					
Other	•					

Hybrid server roles Transfer very simple without OST, PST...

Hybrid server roles



These are steps process to map change



Hybrid Wizard to go:

Hybrid Configuration Wizard Workflow



SMTP require:

SMTP w/ Exchange Online

	Exchange Online	Exchange Online Protection (EOP)
Relay to internet	YES	YES
TCP Port(s)	25, 587 – TLS required	25, TLS optional, static IP(s) required
Requires Auth.	YES	NO
Bypasses Anti/Spam	YES	NO
Limits	10k recipients/day	'reasonable limits'
Licensing	Std/Shared MBX	EOP license per sender (included in EXO license)
FQDN	Smtp.office365.com	Tenant-tld.mail.protection.outlook.com

- 1- Install Public Certificate



- 3-
- 4- Verify record and Domain setup is complete.
- 5- From Azure AD Connect Setup Express Setting.



11- Make sure to check mark for hybrid



13- Empty recycle bin before in AD

Active Directory	<	Adatum (local) (21)			Tasks
E 12		Filter	(ii) ▼ (ii) ▼	۲	ø
Overview					Builtin
Adatum (local)		Name	ype Description		New
Dynamic Access Control	•	Builtin	uitinDom	^	Delete
Authentication		Computers	ontainer Default container for upgr		Search under this not
Q Global Search		Development	rganizati	- 10	Properties
He Grobel Search		Domain Controllers	rganizati Default container for dom		Adatum (local)
		ForeignSecurityPrincipals	ontainer Default container for secur		Change domain cont
		Infrastructure	frastructu	- 11	Raise the forest funct
		iii π	rganizati		Raise the domain fur
		Keys	ontainer Default container for key o	-	Enal Recycle Bin
		LostAndFound	stAndFou Default container for orph		New
		Managed Service Accounts	ontainer Default container for man		Search under this nor
		Managers	rganizat		Properties
		Microsoft Exchange Securi-	rganizati		
		-		v	
		Duiltin			
		Object class: builtinDomain	Modified: 6/4/2019 2:55 PM		

15- Unlicensed is from OnPremise exchange server

=			Home	Active users				2 Dar
â	Home		Act	ive users				
8	Users	^						
1	Active users Contacts		R. Ac	dd a user 📳 User templates 🦧	Add mult	iple us	ers 🔒 Multi-factor authentication \cdots 🖓 I	Filter 🔎 Search active users list
	Guest users Deleted users			Display name †			Username	Licenses
**	Teams & groups	~		Alex Wilber		1	AlexW@M365x48603595.OnMicrosoft.com	Office 365 E5 , Enterprise Mobility + Security
Pe .	Roles	\sim		Allan Deyoung	٩	÷	AllanD@M365s48603595.OnMicrosoft.com	Office 365 E5 , Enterprise Mobility + Security
-6	Resources	~		Diego Siciliani		÷	DiegoS@M365x48603595.OnMicrosoft.com	Office 365 E5 , Enterprise Mobility + Security
•	Billing	~		Isalah Langer		:	IsaiahL@M365x48603595.OnMicrosoft.com	Office 365 E5 , Enterprise Mobility + Security
0	Support	~		Joni Sherman		:	Joni5@M365x48603595.OnMicrosoft.com	Office 365 E5 , Enterprise Mobility + Security
0	Settings	^		Lynne Robbins		1	LynneR@M365x48603595.OnMicrosoft.com	Office 365 E5 , Enterprise Mobility + Security
	Search & intelligence			Megan Bowen			MeganB@M365x48603595.OnMicrosoft.com	Office 365 E5 , Enterprise Mobility + Security
	Org settings			Microsoft Service Account			ms-serviceaccount@M365x48603595.OnMicrosoft.com	Unlicensed

- 18- Run & click Next

Office 365	Office 365 Hybrid Configuration	n.
On-premises Exchan	ge Server Organization	Office 365 Wo LON-EX1 Adatum.com - ADATURA.damin Exchange Server 2019 15.2.79 17.0
• Detect the optimal Excl	hange server	
LON-EX1 Domain Adatum.com Version 15.2 (Build 7 Roles Mailbox Site Adatum.com/Config Product ID 00433-70000-00000	92.3) CU8 Standard Edition uration/Sites/Default-First-Site-Name -AA878	
 Specify a server running Exchange Hybrid setup rec environment to perform m the Client Access Server ro 	g Exchange 2010, 2013 or 2016 uires a connection to an Exchange 2010, 2013 of anagement tasks. On Exchange 2010 or 2013 ti le.	or 2016 server in your his must be a server running
LON-EX1.Adatum.com		
Office 365 Exchange	Online	
My Office 365 organization is	hosted by:	
Office 365 Worldwide		*
	ь	ack next cance

	Childe 303 Hybrid CC	nfiguration	- *	
On-premises Exchange Please provide your on-premise Please provide your on-premise Please Unders Unders Unders Under Administrator Office 365 Exchange O Please use your tenant administ sign in	s Exchange administrator acc	gn in to your account Microsoft Sign in Email, phone, or Skype No account? Create one! Can't access your account? Sign-in option	ns	ext
		Terms of use Driver & eachier		

Coffice 365	Office 365 Hybrid Configuration	
Hybrid Features	Office 365 Workholde - adminis@W LONE DI's Adminis Exchi	065x48603595.comicrosoft.com n.com - ADATUM/Administrato inge Server 2019 15.2.792.3 CUI lab48004008.godrps/yabs.com Minimal Hybrid 17.0.8347/
Select the Hybrid features you wa learn more	nt to be part of your Hybrid Configuration.	
Minimal Hybrid Configu Selecting this option will seamlessly move your mai Full Hybrid Configuratio	ration (Recommended) onfigure Exchange with the minimal settings needed so you can iboxes to Exchange Online. n	
Selecting this option will o busy sharing, enhanced m scale or long term coexiste	onfigure Exchange with the full Hybrid feature set. This includes Fr ail flow, eDiscovery and other advanced features. This is typical for nnce scenarios.	ee/ larger
Organization Configura Selecting this option will premises environment to both locations to keep th	tion Transfer perform a one-time transfer of organization objects from your on- Exchange online. After the transfer, you will need to make change: e objects in sync.	s in
learn more	<u> </u>	
	back next	cancel

24- Choose classic solution



30- Make sure select External Certificate

Transport Cer	tificate	Office 365 Worldwide - admin@M365w88603595.onm LGN-EX1Adatum.com - ADATUMA Exchange Server 2019 15 Iab48064000.gode Full Hybric
Choose a certificate learn more	to use with securing hybrid mail transport.	
		*
*.godeploylabs. Satject ON=*g Itsuer ON=G Valid 2/7/20 Thumbprint 28A951	com jodeploylabs.com IoTust T, DV RSA Mixed SHA256 2020 CA-1, O=DigiCert Inc, C=US 22 - 37 102 SE561A7 143670F1A229050662EEA47	
LON-EX1 Subject CN=L0 Issuer CN=L0 Valid 6/13/2 Thumbprint 637DF1	N-EK1 N-EK1 05 - 6/13/2024 11199479289F469C6034241A10687A0F311	
WMSvc-SHA2-L Subject CN+W Itsuer CN+W Valid 6/13/2 Thumbprint SDE82	ON-EX1 MSvc-SHA2-LDN-EX1 MSvc-SHA2-LDN-EX1 D1 - 610/0209 D87005888A8A9A45584483D9595A0A5351F	
Thumbprint SDE82	D870058E8ABA9A4F5844E3D9595A0A53F1F	

Cong	gratulations!		Office 365 Workbeide - admin@M36 LON-EX1Adatumic Exchang Ial	Sx486031585.onmicrosofta com - ADATUM/Administra p Server 2019 15.2.792.3 (548084808.godeptoylatis) Full Hybrid 17.0.83
A	Your Exchange Hybrid Configu potentially configured manual	iration has completed but a fe ly. Please see the details belo	w items need to addressed or w.	
	Configure MRS Proxy Settin	gs		^
	HCW8078 - Migration Endpoin	t could not be created.		
	Microsoft.Exchange.Migration. The connection to the server 'la	MigrationServerConnectionFail ab48084808.godeploylabs.com	edException ' could not be completed.	
	Microsoft.Exchange.MailboxReg The call to 'https://lab4808480 service was listening on the spu https://lab48084808.godepicyl is often caused by an incorrect details> The remote name of	licationService.MRSRemoteTrc 8.godeploylabs.com/EWS/mrsg tcified endpoint. Error details: 1 abs.com/EWS/mrsg*gsy.svc th address or SOAP action. See Ir could not be resolved: 'lab4808	nnsientException proxy.svc' failed because no There was no endpoint listening a ta could accept the message. This and couled accept the message. This and could accept the message. This and acception, if present, for mon 48 wideploylabs.com	e
	Microsoft.Exchange.MailboxRep There was no endpoint listenin that could accept the message. See Inservention if present	olicationService.MRSRemotePei g at https://lab48084808.gode This is often caused by an incl for more details	rmanentException ploylabs.com/EWS/mrsproxy.svc orrect address or SOAP action.	~
F12 Di	See InnerForention if necent i agnostic Tools pen Exchange Management Shell	for more details	Open Logging Folder	×

34- Verify on Exchange local server as need

	secure mups//iocalnost/ecp/rexci	hClientVer=15				A 18 1 H .
Enterprise Office 365						Administrator 🔻 📍
Exchange admin cer	nter					
recipients	servers databases data	base availal	bility group	s virtual directories	certificates	
permissions						
compliance management	Select server: All servers			~		
organization	Select type: All			~		
protection	NAME A	SERVER	TYPE	VERSION	LAST MODIFIED TIME	
mail flow	Autodiscover (Default Web Site)	LON-EX1	Autodis	Version 15.2 (Build 792.3)	6/13/2019 3:50 PM	EVAIC /Defends Web Cites
	ecp (Default Web Site)	LON-EX1	ECP	Version 15.2 (Build 792.3)	7/22/2022 9:46 AM	Evvs (Default web site)
mobile	EWS (Default Web Site)	LON-EX1	EWS	Version 15.2 (Build 792.3)	7/24/2022 8:25 AM	Authentication: NTLM, Integrated Windows, Windows SharePoint Security, OA
public folders	mapi (Default Web Site)	LON-EX1	Mapi	Version 15.2 (Build 792.3)	6/13/2019 3:51 PM	External URL: https://lab48084808.godeploylabs.com/ews/exchange.asmx MRS Proxy endpoint: Enabled
public loiders	Microsoft-Server-ActiveSync (Defa	LON-EX1	EAS	Version 15.2 (Build 792.3)	7/22/2022 9:47 AM	
servers	OAB (Default Web Site)	LON-EX1	OAB	Version 15.2 (Build 792.3)	7/22/2022 9:48 AM	
	owa (Default Web Site)	LON-EX1	OWA	Version 15.2 (Build 792.3)	7/22/2022 9:46 AM	
hybrid	PowerShell (Default Web Site)	LON-EX1	PowerS	Version 15.2 (Build 792.3)	6/13/2019 3:50 PM	