Migrating Mailbox from Exchange On-Premises to Microsoft 365 Exchange Online

In this post, I will show you the steps involved towards migrating mailbox from on-premises Exchange Server 2019 to Microsoft 365. In order to test this, we have to obtain Microsoft 365 license. I did sign up for 1 month free trial Microsoft 365 Business Standard license. It will cost \$18 per month based on annual subscription.



Microsoft

July 2020 Invoice Date: 2020/07/31 Invoice Number: E0500BT0BD Due Date: 2020/08/30

36.16 CAD



Order Details		Billing Summary	
Product:	Online Services	Charges:	32.00
Customer PO Number:		Discounts:	0.00
Order Number:	1756bc51-f9fd-472e-83da-6599e0dd76d3	Credits:	0.00
Billing Period:	2020/07/30 - 2020/07/30	GST/HST:	4.16
Payment Terms:	Net 30	QST/PST:	0.00
Due Date:	2020/08/30	Total:	36.16
Payment Instructions	Please DO NOT PAY. You will be charged the amount due through your selected method of payment.		

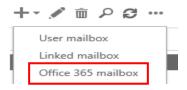
Within on-premises Exchange Sever 2019, I have one user account already created before. I will use this mailbox for migration.

mailboxes groups resources contacts shared migration

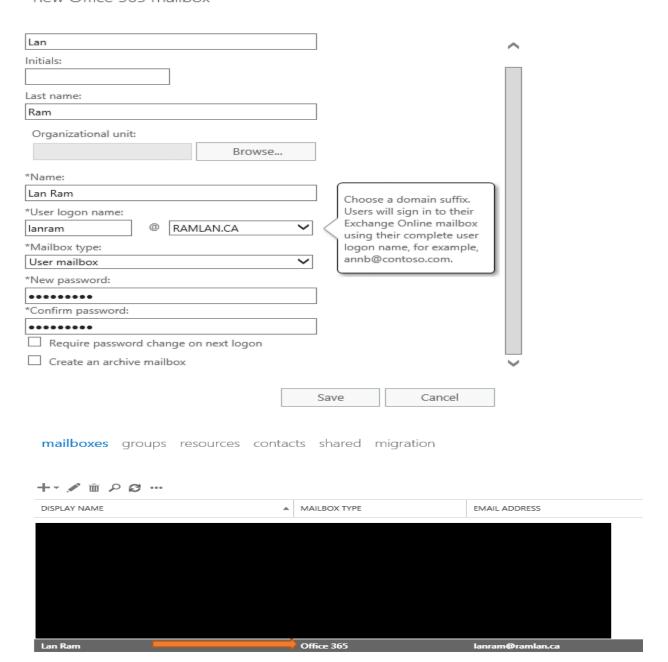


Now, I will create Microsoft 365 Mailbox for another user, so we can test later.

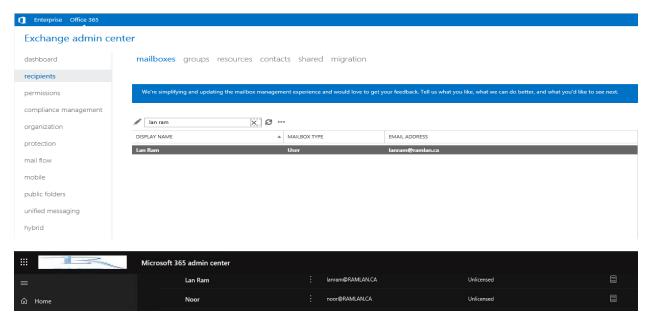
mailboxes groups



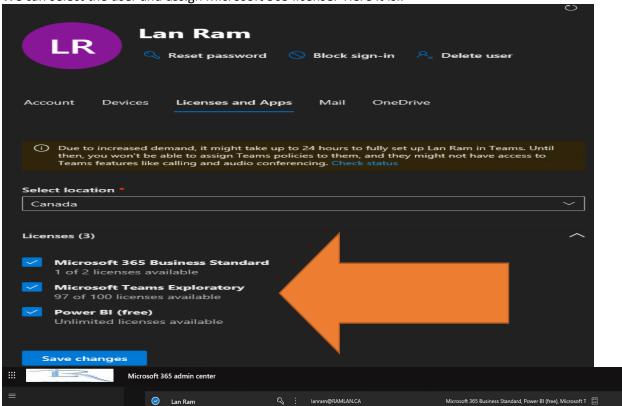
new Office 365 mailbox



Directory synchronization of the new user needs to occur, and an Office 365 license needs to be assigned. We can wait for the next directory synchronization cycle to occur, or force a synchronization immediately to speed things up. I prefer to wait, because it allows me to verify that directory synchronization is working fine on its own. When directory synchronization has occurred, the new user will be visible in the Office 365 admin center, and can be assigned a license there.



We can select the user and assign Microsoft 365 license. Here it is...



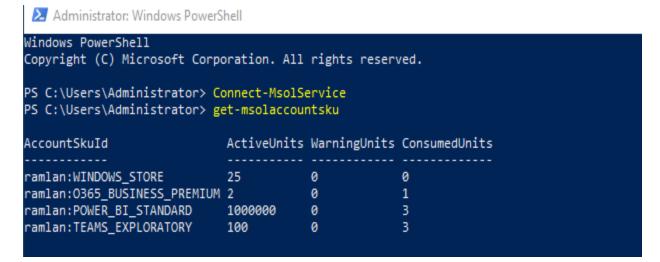
You can assign license using these PowerShell Commands

Connect-MsolService

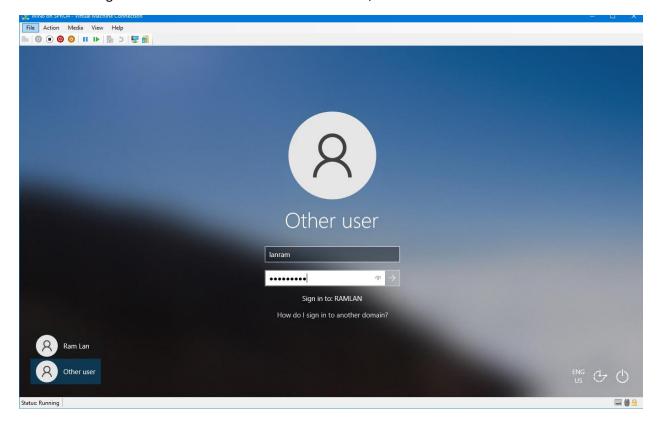
Get-MsolAccountSku

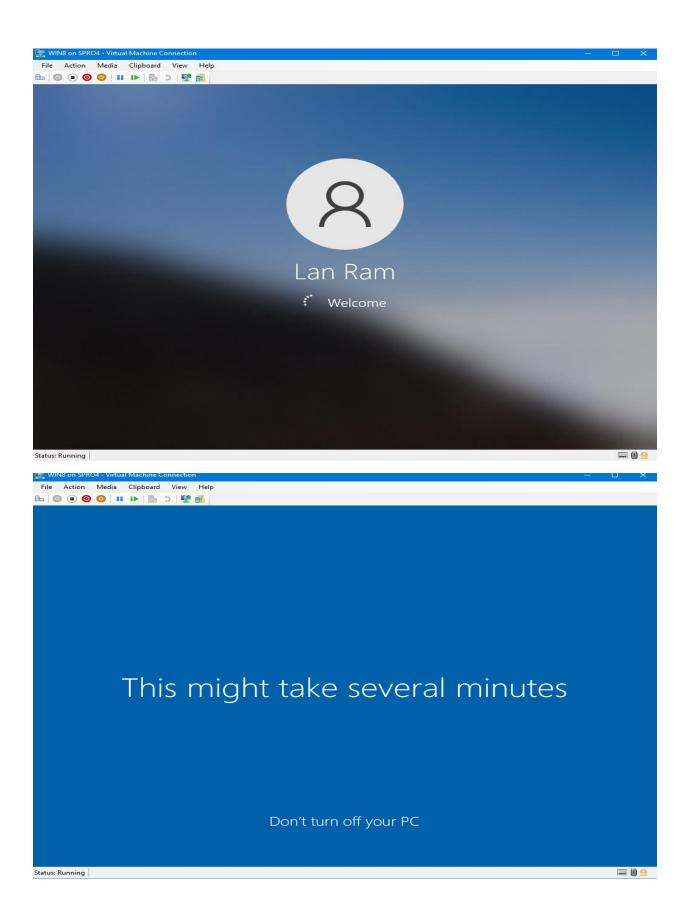
Set-MsolUser -UserPrincipalName lanram@ramlan.ca -UsageLocation "Lab" Set-MsolUserLicense -UserPrincipalName lanram@ramlan.ca -AddLicenses

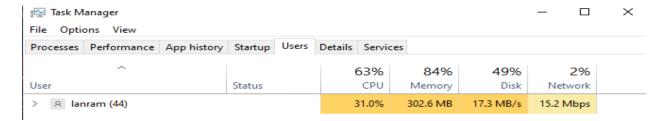
"ramlan:O365_BUSINESS_PREMIUM"



Now we will login as user on Windows 10 machine and see, if Autodiscover still works.



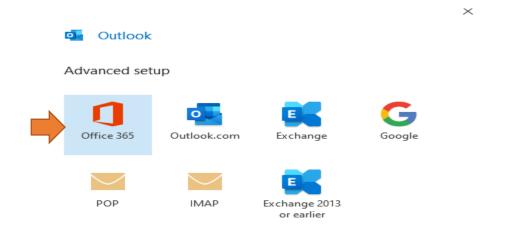




Launch Outlook



You can select Office 365



Go back





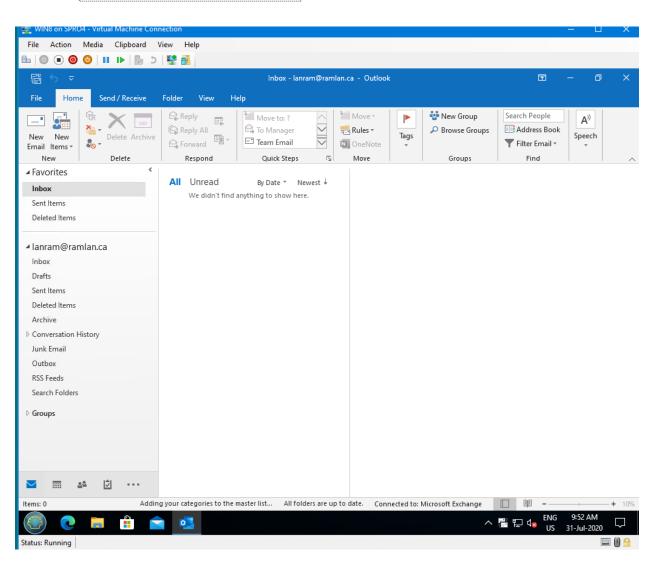
Add another email address

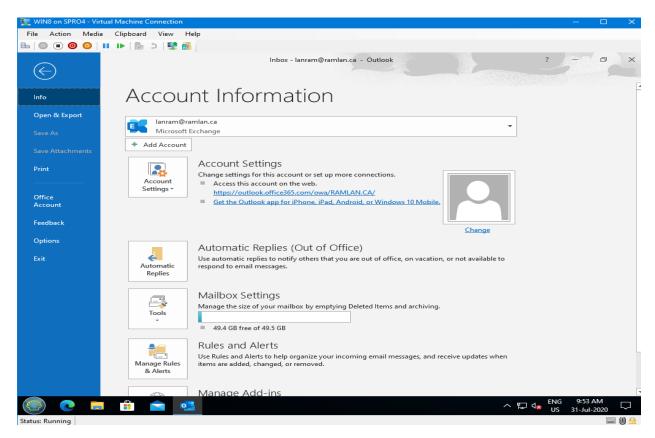
Ianram@ramlan.ca

Advanced options

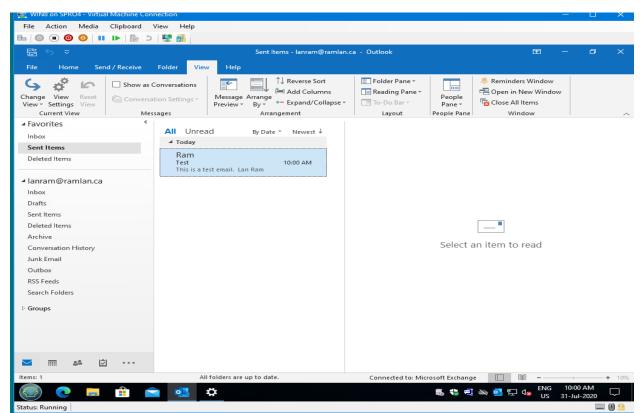
Next

Done
Set up Outlook Mobile on my phone, too

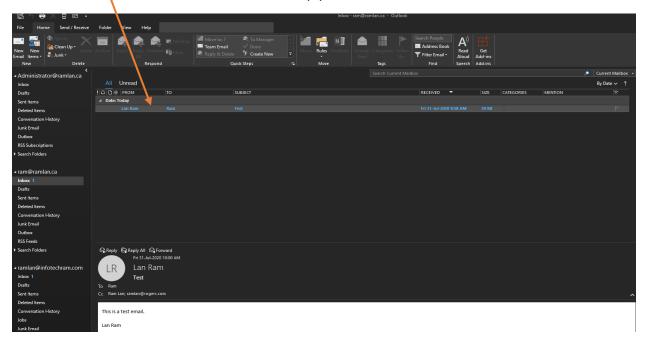




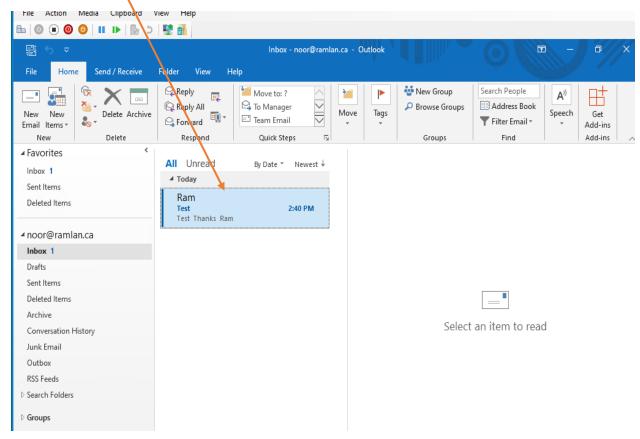
We will perform test emails from Office 365.



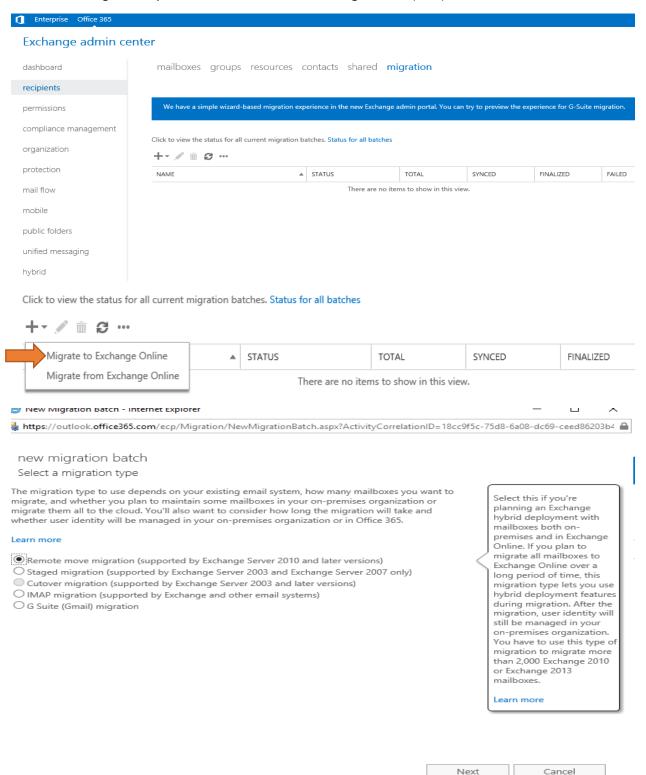
Test email received from Office 365 user. I will reply back to make sure Office 365 user can receive.

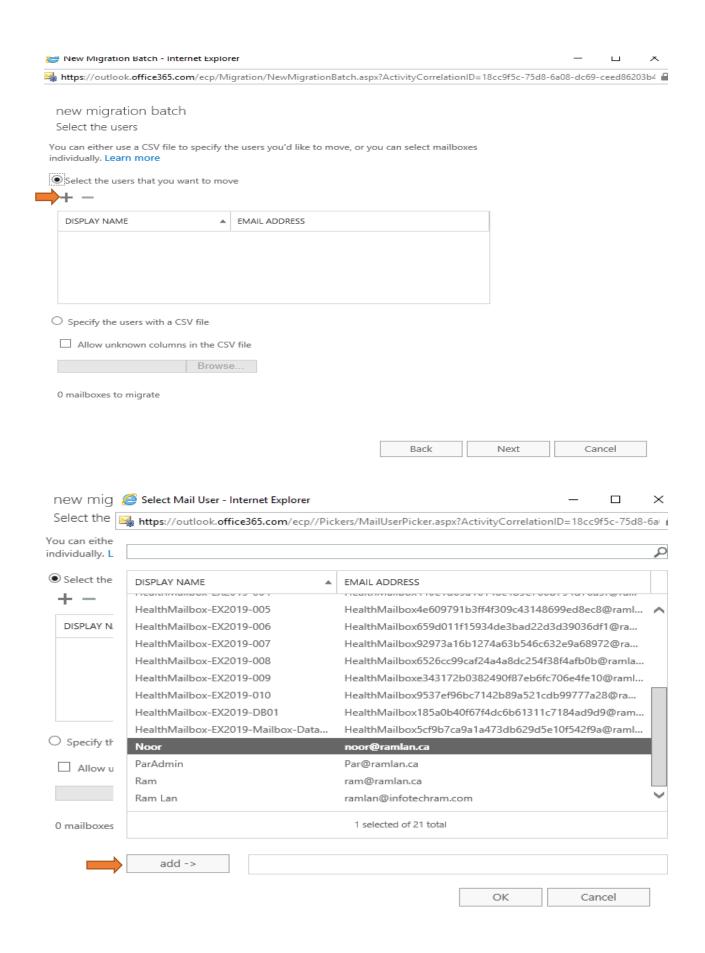


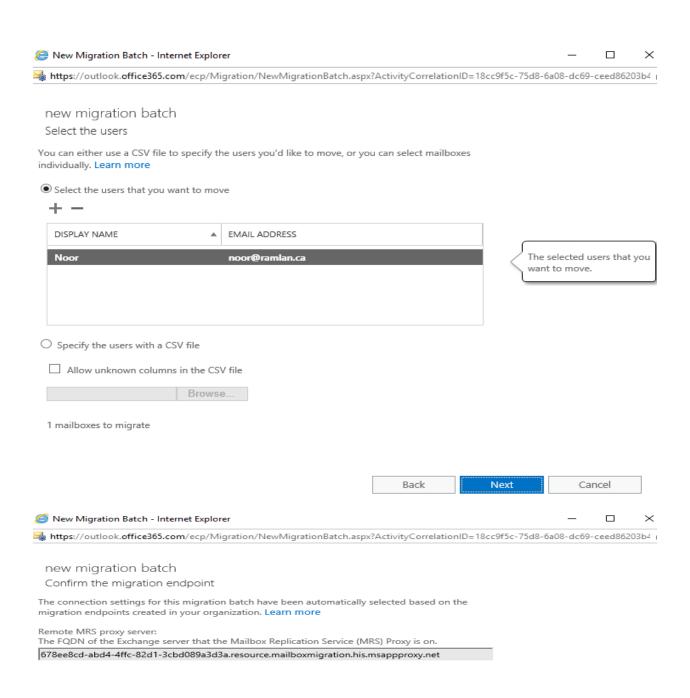
Test email received by Office 365 user. No mail flow issue after Hybrid Exchange Server 2019 configuration.

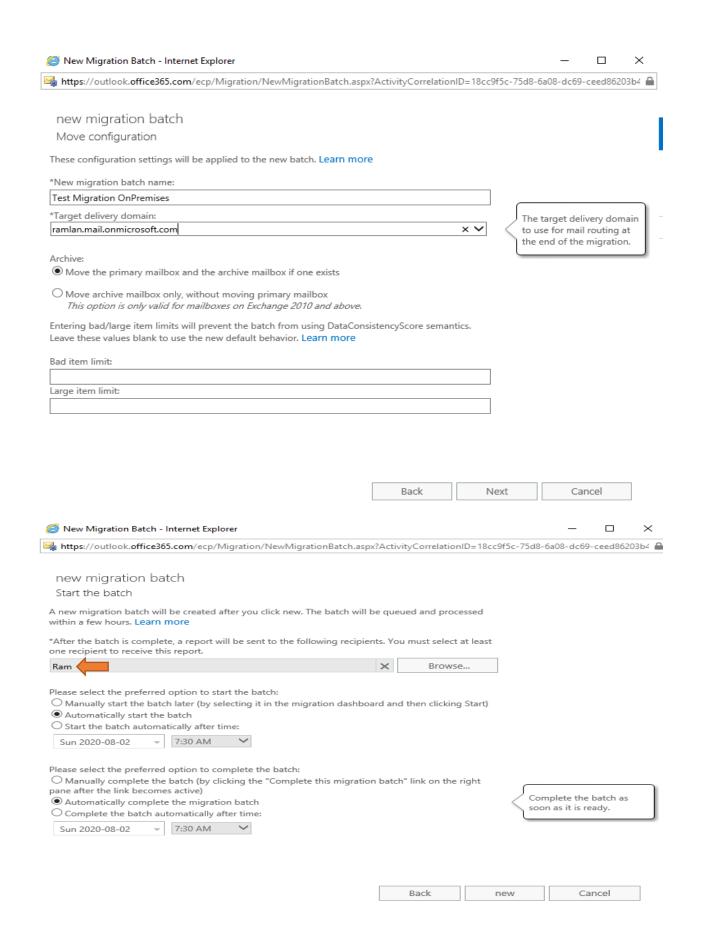


Now we will migrate on-premises user mailbox to Exchange Online (EAO) and test mail flow.



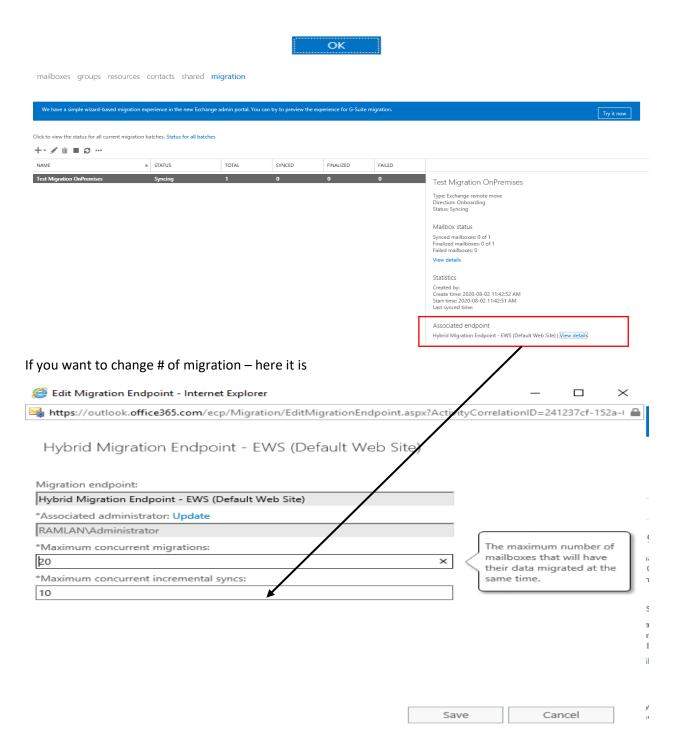






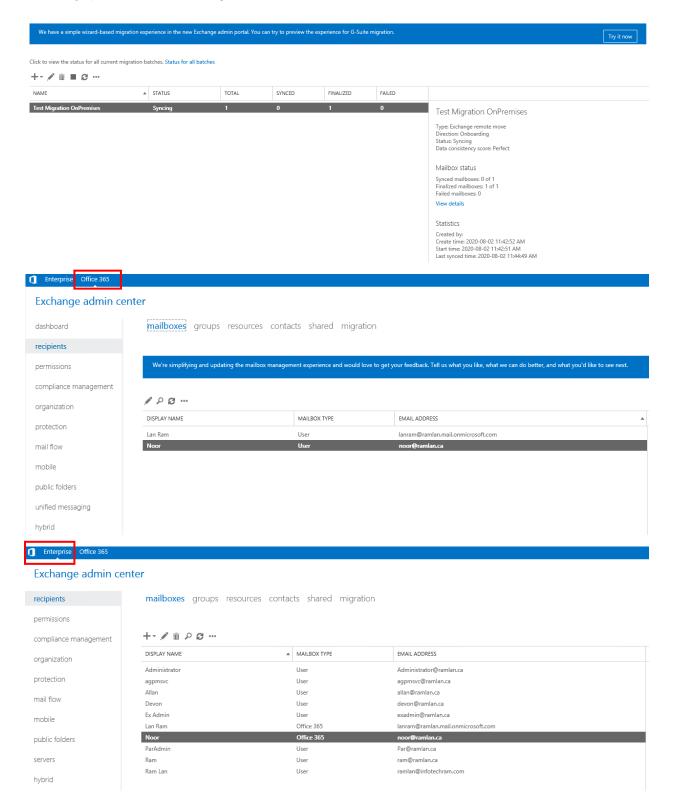
information

Saving completed successfully.

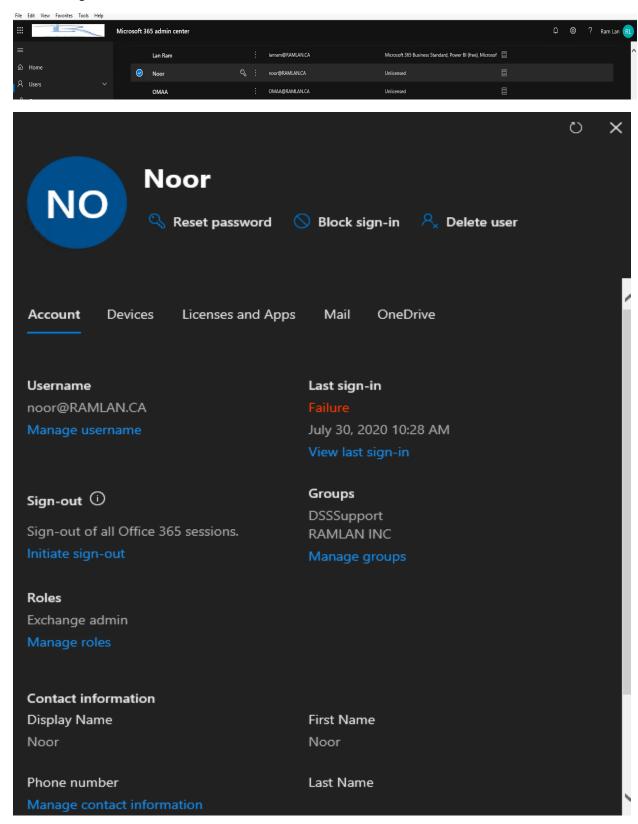


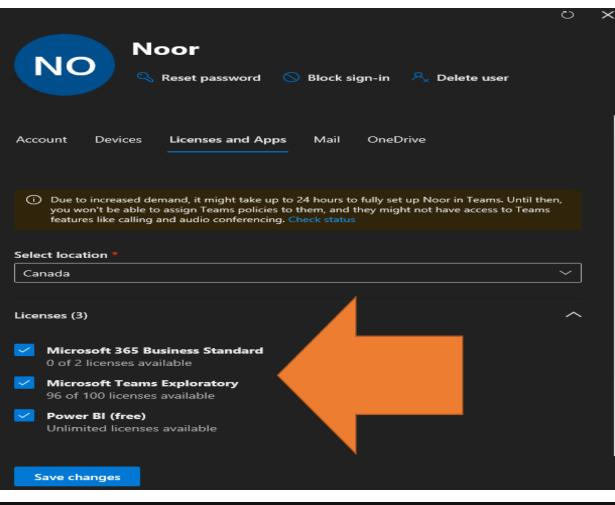
Final confirmation the mailbox is in Office 365 now

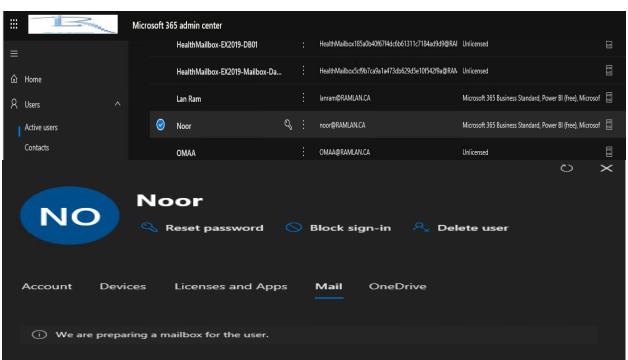
mailboxes groups resources contacts shared migration

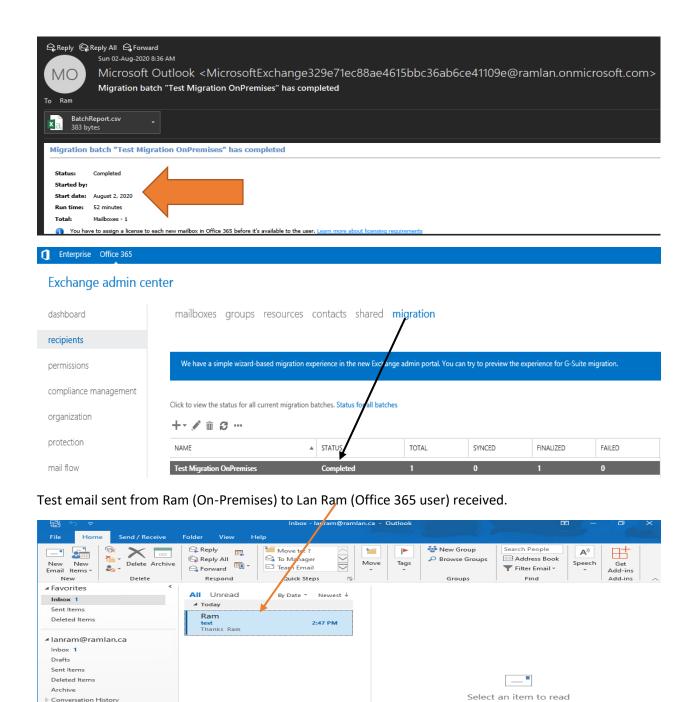


Let me assign Microsoft 365 license for this user









I am not having any issue with mail flow from On-Premises to Office 365 and from Office 365 to On-Premises. This concludes Hybrid setup.

All folders are up to date. Connected to: Microsoft Exchange

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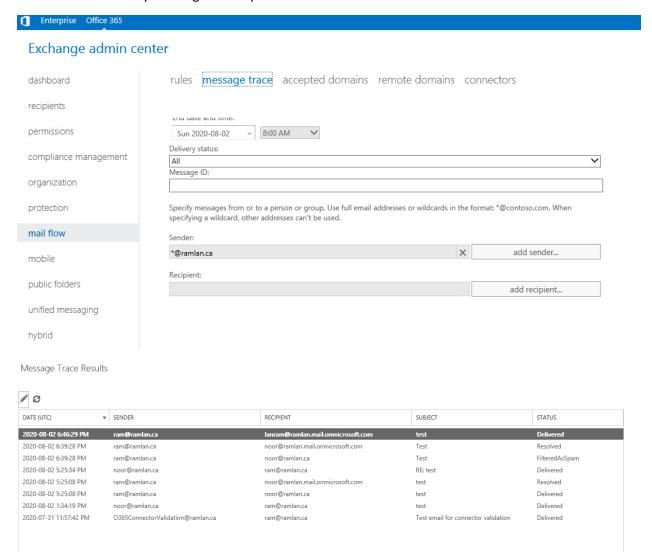
Junk Email Outbox RSS Subscriptions Search Folders

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Now, I will run through few things you can do on Hybrid setup. The message trace is a good one to troubleshoot when there is issue send or receiving emails within Office 365.

As an administrator, you can find out what happened to an email message by running a message trace in the Exchange admin center (EAC). After running the message trace, you can view the results in a list, and then view the details about a specific message. Message trace data is available for the past 90 days.

Fill in the details and you can get the report.



This concludes Exchange Server 2019 Hybrid Configuration Wizard (HCW) with Microsoft 365 (O365) Exchange Online (EAO).

Thanks

Ram Lan 2nd August 2020