AZURE HANDS-ON LABS



Inhoudsopgave

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Start a Veeam Lab

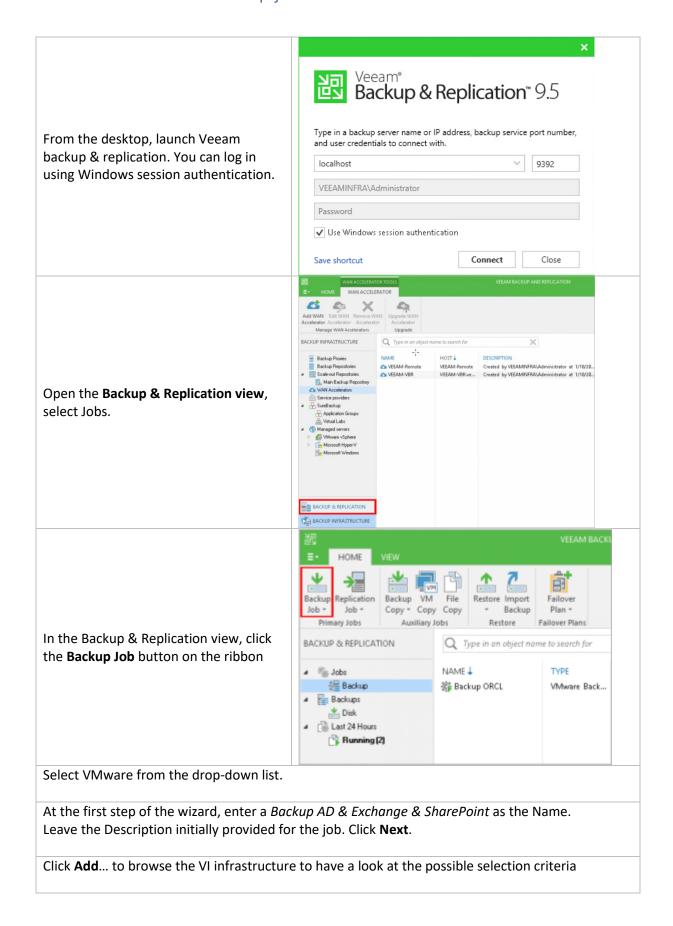
https://copaco.learnondemand.net



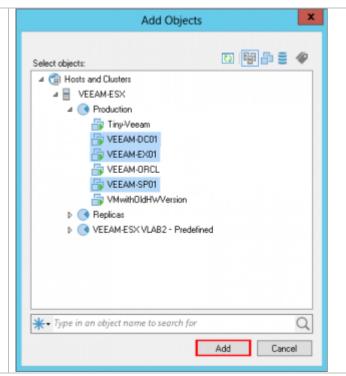
AzureHOL01	Pa\$\$w0rd
AzureHOL02	
AzureHOL03	
AzureHOL04	
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Launch Lab 5

Exercise 1: Create a Backup job



Expand **VEEAM-ESX**, Expand the *Production* resource pool and Select **VEEAM-DC01**, **VEEAM-EX01** and **VEEAM-SP01**



Click Add.

Leave Automatic selection for Backup proxy.

Confirm *Main Backup Repository* is selected in the **Backup repository** drop down menu. Under **Retention policy**, change the Restore points to keep on disk to **2**.

Click Next to proceed to the Guest processing step

Enable application-aware image processing.

Enable application-aware image processing is used to "freeze" the VMs when the snapshot is created. This leads to the creation of a transactionally consistent backup that ensures successful recovery of VM applications without any data loss.

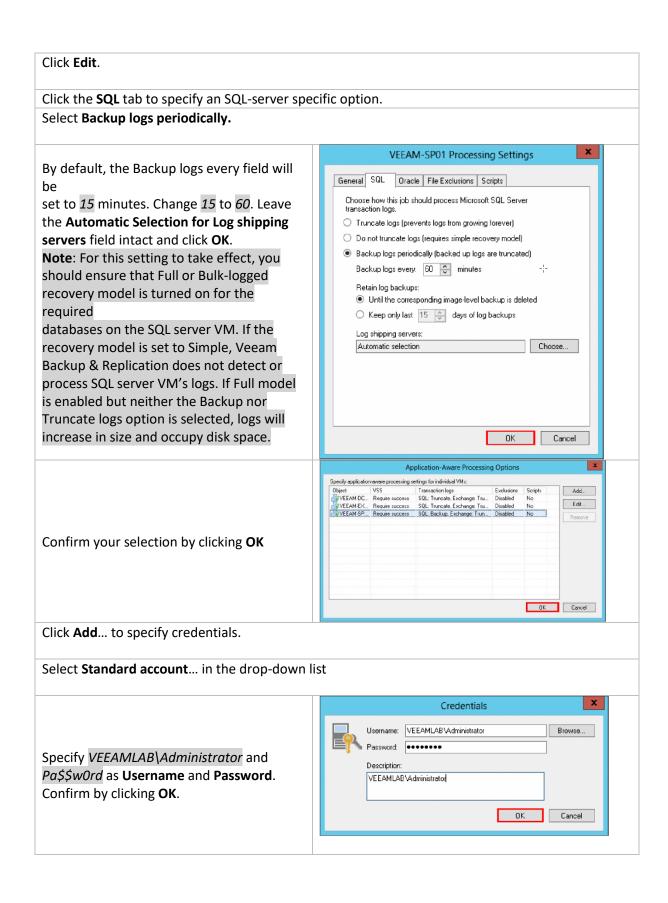
Click Enable guest file system indexing checkbox.

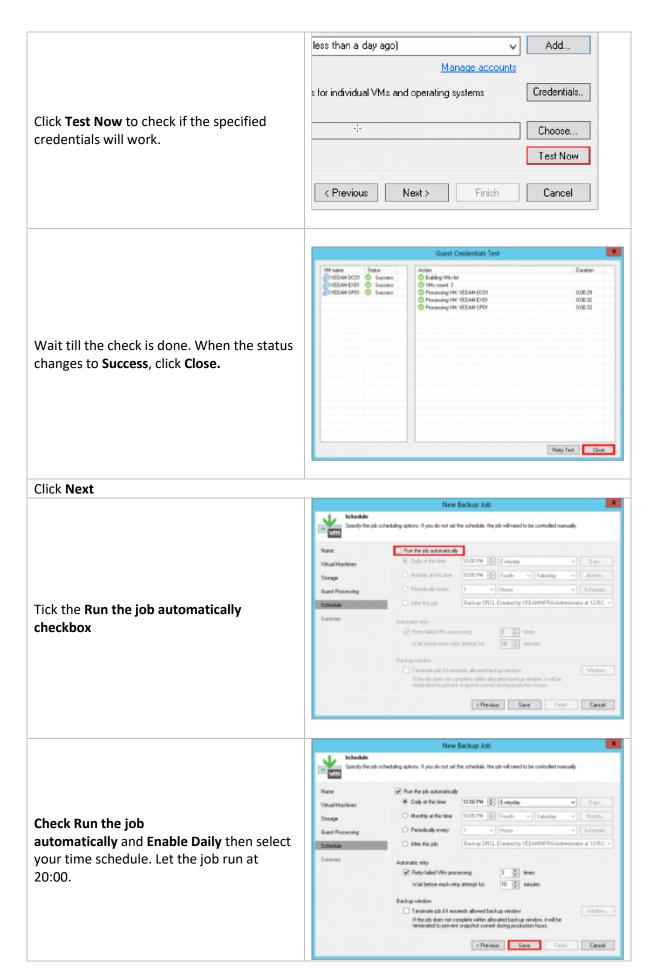
Note: Guest file indexing allows you to search faster for VM guest OS files inside VM backups using Veeam Backup Enterprise Manager.

Click **Applications** to customize application handling options.



To set database transaction log processing, select VEEAM-SP01 where the SQL server is located



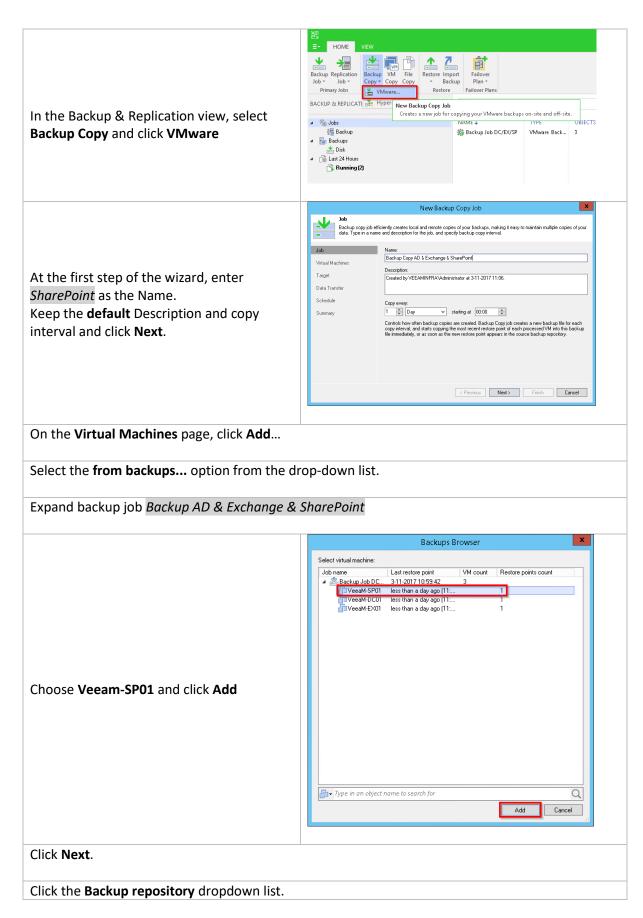


At this point an initial backup will be made.

This backup, we can use to restore application items and perform a **Direct Restore to Azure**

To view how Veeam actually performs the backup, you can take a look at the Running Jobs and double click the Backup Job.

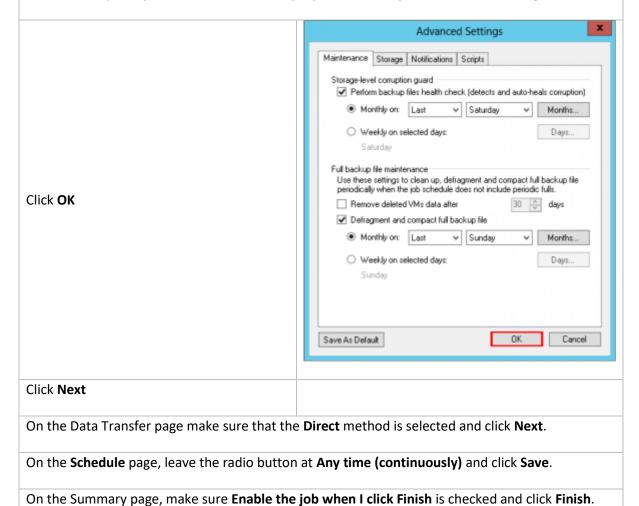
Exercise 2: Create a Backup Copy Job



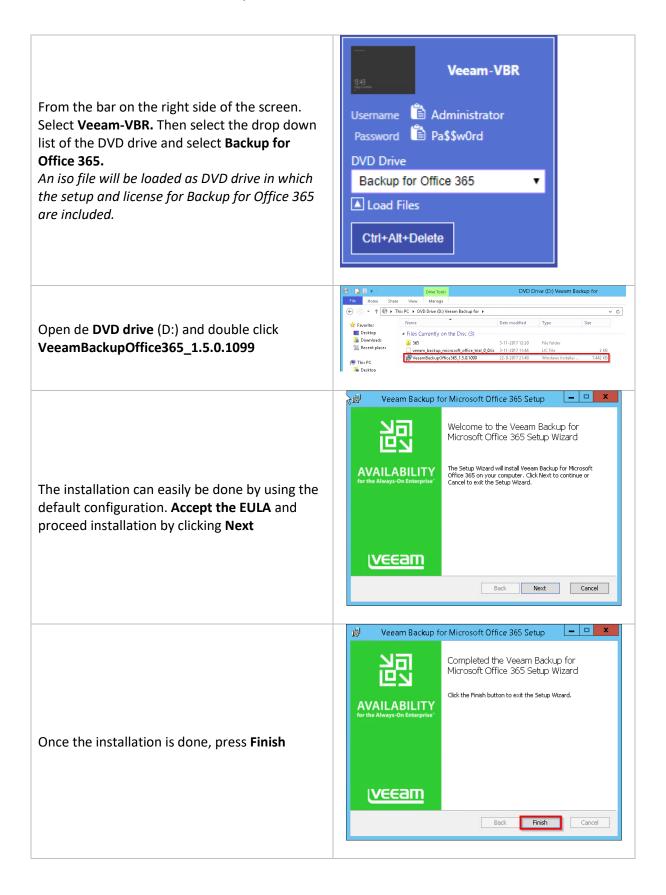
In the Advanced Settings dialog, enable the Health check.

An automatic health check allows you to avoid a situation when a restore point gets corrupted, making all further increments corrupted, too.

To periodically compact a full backup, select **the Defragment and compact full backup file** check box. The compact option can be enabled only if you have not specified the GFS settings.

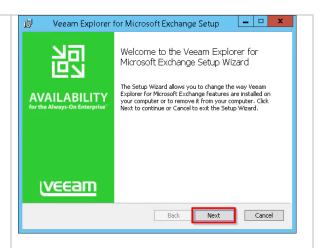


Exercise 3: Veeam Backup from Office 365



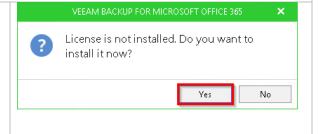
After Veeam Backup for Office 365 is installed, we need to make sure that we can also restore an email.

Open de DVD drive (D:\) and double click **VeeamExplorerExchange_9.6.0.1099** to start the installation. This is a simple next, next, finish installation.

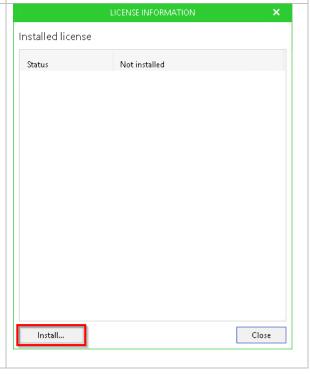


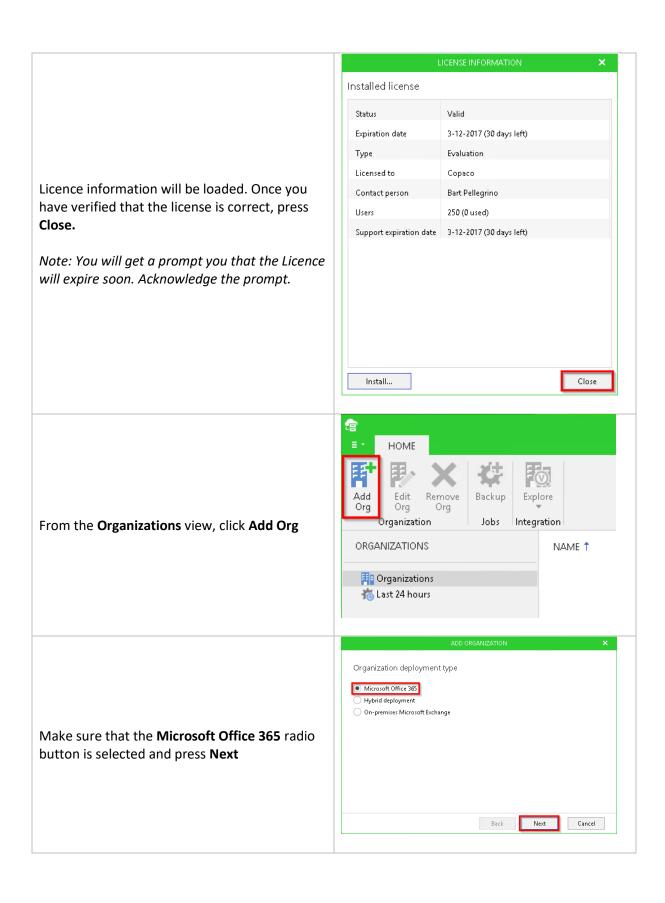
Once the Explorer installation is done, launch **Veeam Backup for Microsoft Office 365** from the Desktop.

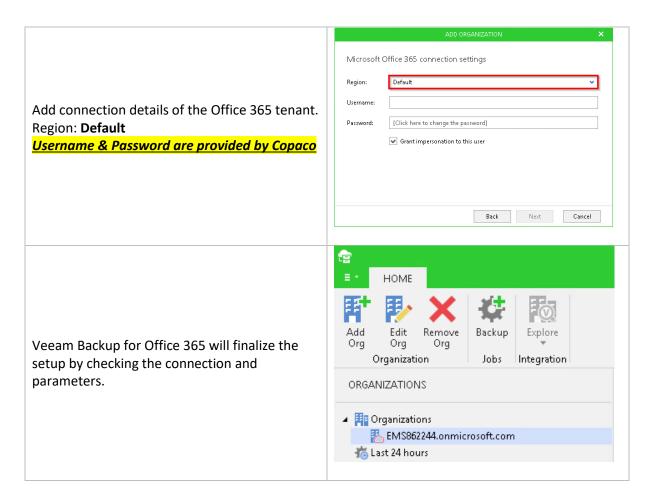
When Veeam Backup for Office 365 open, you immediately will the prompted to install a Licence. Press **Yes** to open The License Information screen.

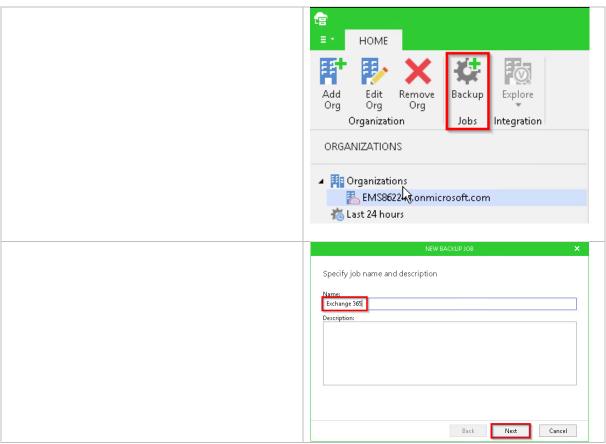


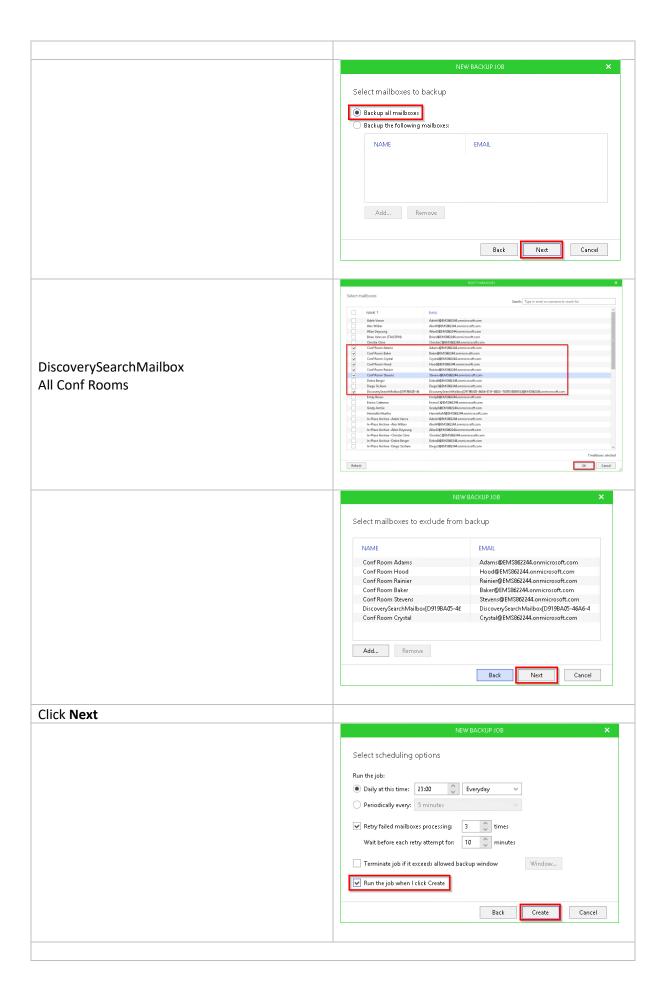
Press Install... and browse to D:\
Select the Veeam Trial Lisence and click Open.











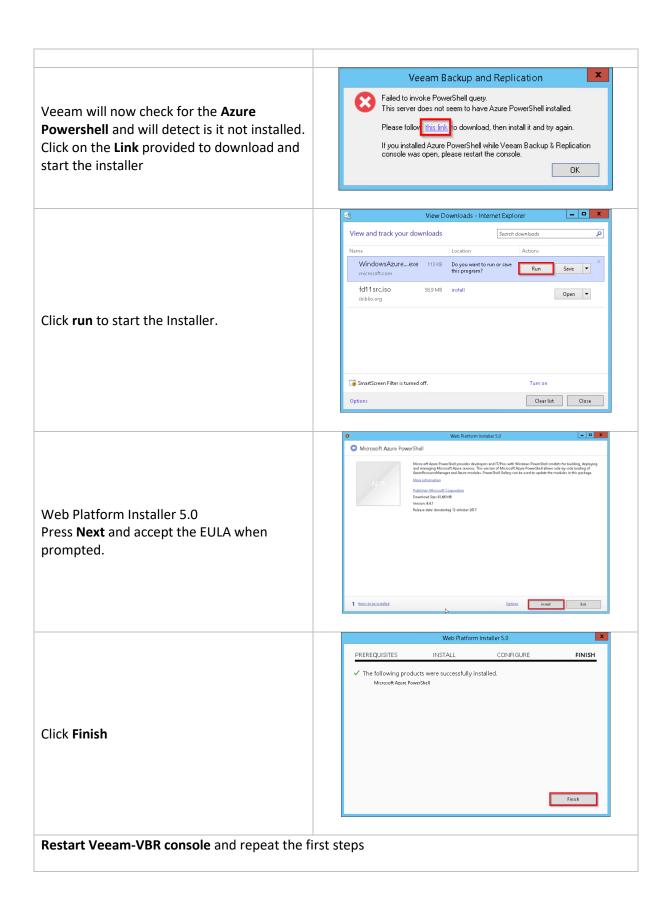
The Backup Job for Exchange 365 will now backup all Mailboxes to the Local Repository. Do note that Veeam will detect if a User Mailbox has a proper License installed and will give a warning when you backup a User Mailbox without License.

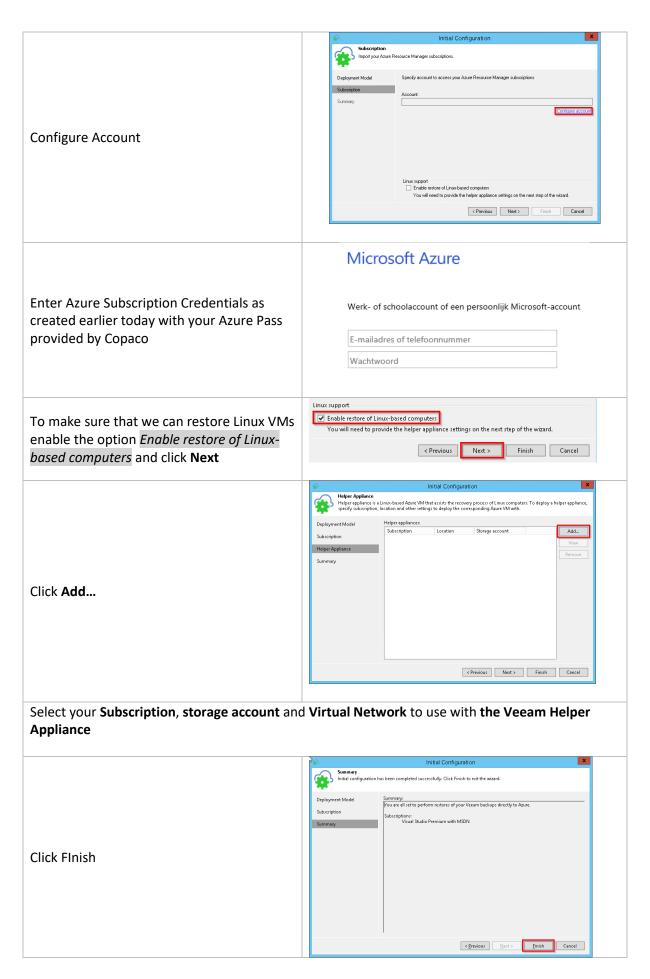
While the Backup runs, feel free to continue to the next Exercise

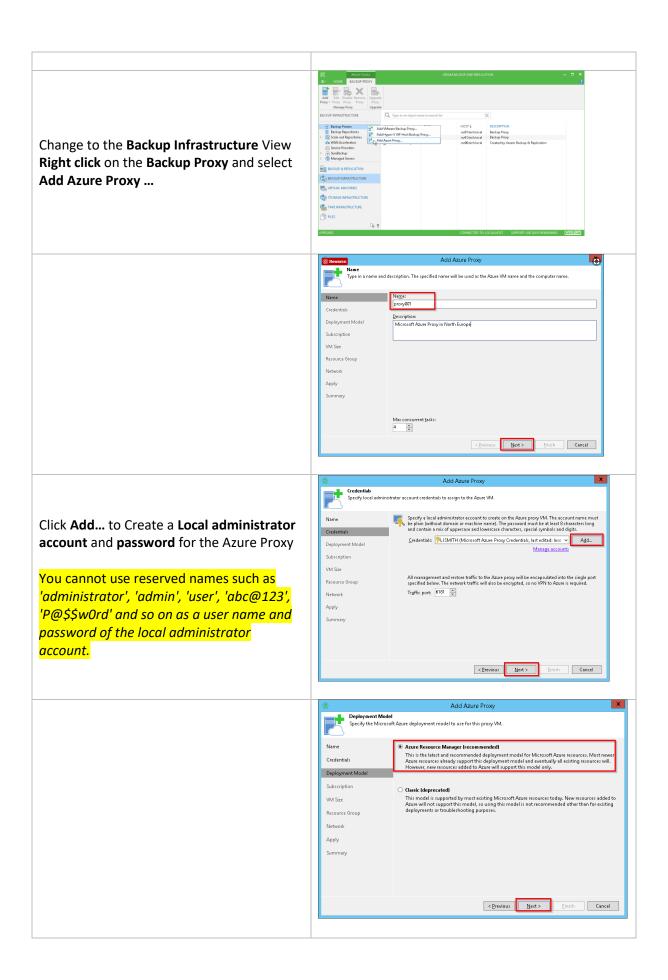
Exercise 4: Prepare Azure

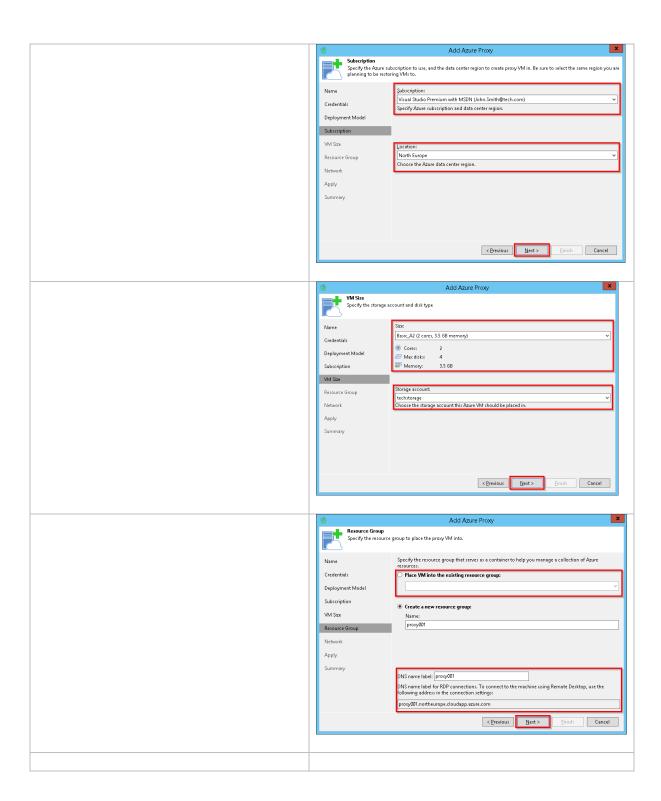
Log into https://portal.azure.com using the credentials you have made with the Azure Pass, provided by Copaco. **Create** a **Resource group, storage account** and **virtual network** to use with Veeam. From the **desktop**, launch Veeam Backup & Recovery Manage Credentials Manage Passwords Manage Azure Accounts General Options Users and Roles Click on the Menu in the top left corner Network Traffic Rules Configuration Backup Console Color Theme License Manage Microsoft Azure Accounts Azure accounts: Click Add... OK Azure Resource Manager (recommended)

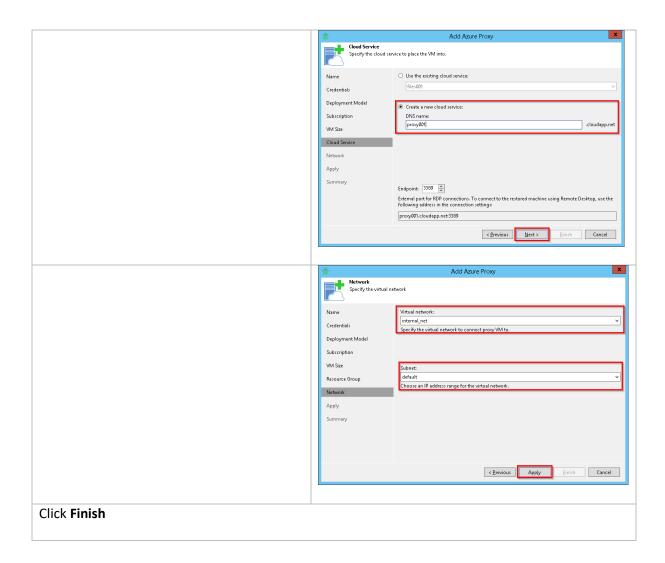
This is the latest and recommended deployment more Choose Recourse Manager and click Next < Previous Next> Finish Cancel



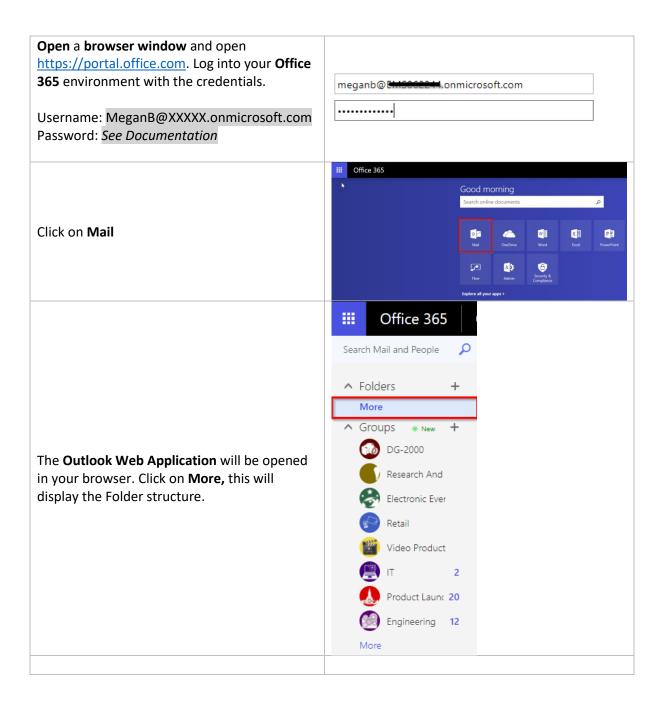


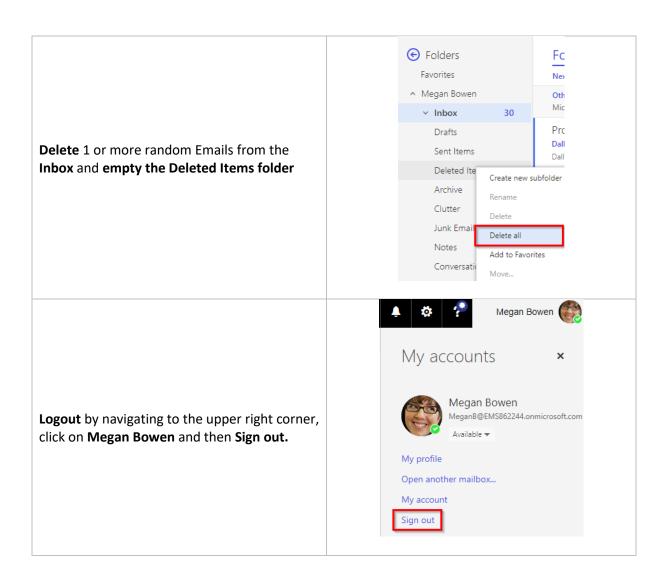


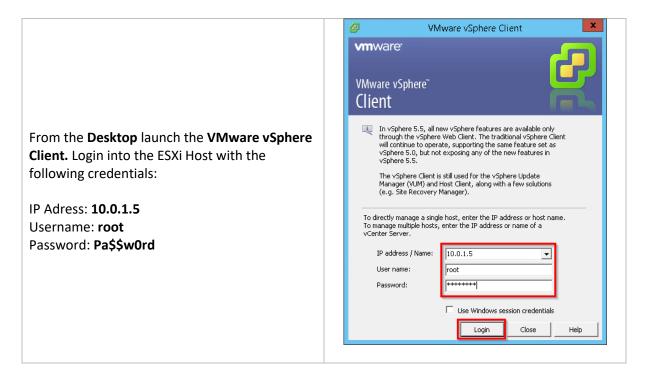


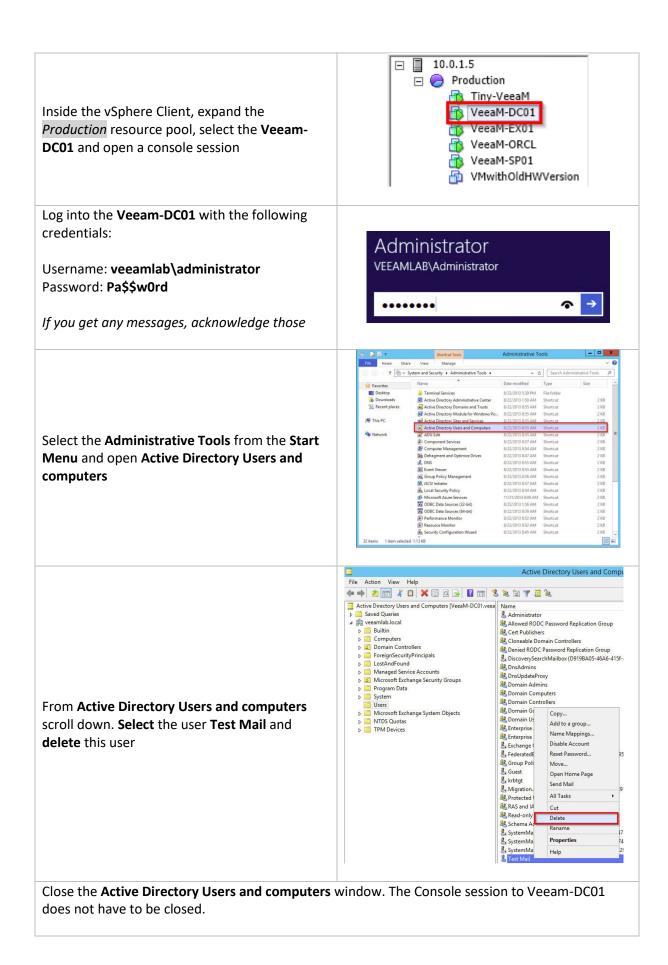


Exercise 5: Delete Information



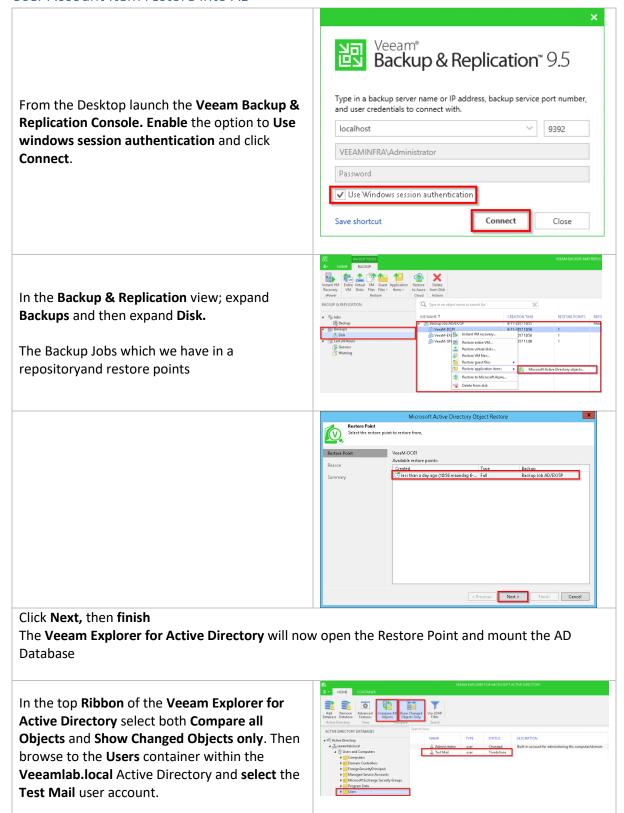


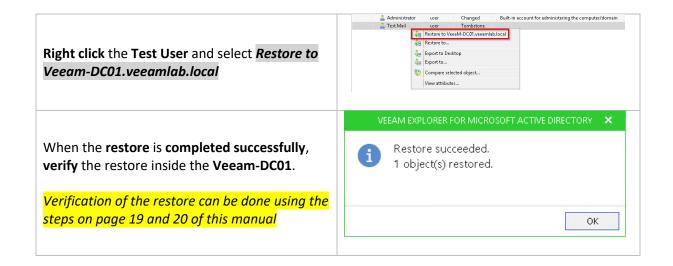




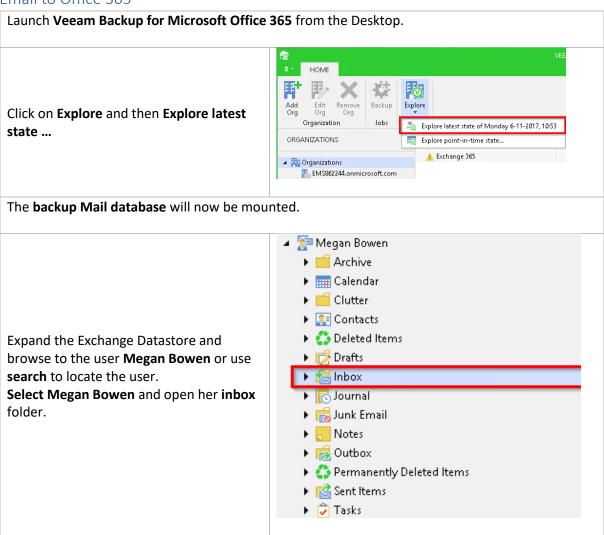
Exercise 6: Restore

User Account Item restore into AD

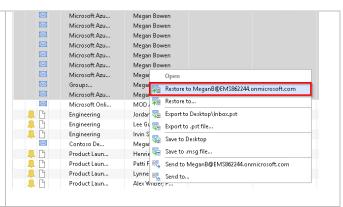




Email to Office 365



Select the email which you would like to **restore.** Right click and select *Restore to MeganB@XXX.onmicrosoft.com*



Since this is a test environment and we have not set specific right to the Admin Account we are using, we need to enter the username and password of the corresponding user.

Username: MeganB@XXX.onmicrosoft.com

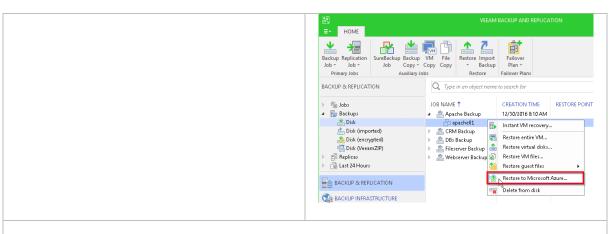
Password: b-sivand@5625

Once the restore is completed, verify the restore by logging into Office 365 as described on page 18 and 19

Notice that only lost emails are restored into Exchange. Emails which are still inside the mailbox will be skipped.

Direct Restore to Azure

Restoring a Virtual Machine into Azure



Here I could create a lot more screenshots and guide you through the restore process of a VM into Azure. To experience the ease of a restoring using **Veeam Backup & Replication** and **Microsoft**Azure