Federating AZURE with Workspace ONE Access and Office 365 as a service

Part 1: Setting Up a Developer Account

One needs to setup an **Office 365 E3 Developer** subscription account to be able to integrate with Workspace ONE. In this section we will walk through and setup the required developer subscription that allows you a 12 -month free trial.

An Important NOTE!

- Be sure to to take notes and document your configurations immediately.
- Be 100% clear from your document what your assigned domain name is.
- 1. Open a browser and go to **Google Chrome search engine** and type **office 365 e3 developer subscription.**

Google	office 365 e3 developer subscription						
	All	Shopping	News	Images	Videos	More	

2. Find the option that says **Set up an Office 365 developer subscription** and **select**

About 464,000 results (0.32 seconds)



3. On the **Set up an Office 365 developer subscription** page under **Set up your subscription** Under **! Note**

Select the join the Office 365 Developer Program hyperlink

① Note

To set up a subscription, you must first join the Office 365 Developer Program. After joining, you'll see the option to set up a subscription.

4. On the **Welcome to theOffice 365 Developer Program** page select the **Join the Office 365 Developer Program** page

Welcome to the Office 365 Developer Program

03/20/2018 • 2 minutes to read • Contributors 🚺 🧐 🌘 🌑

Join your friends and colleagues in the Office 365 Developer Program. Use the Office 365 developer subscription to develop and test your solutions independent of your production environment. You can build solutions for Microsoft Teams, Office Add-ins, Microsoft Graph, SharePoint Framework, SharePoint Add-ins, and more.



5. You will now be re-directed a 3rd time to the **Join the Office 365 developer program today!** Do not select JOIN NOW



6. To the right of the page first select Sign In



7. On **Microsoft Sign in Page** type in the **email address** of an account you own (NB! If this account is already associated with an office 365 account you will have to create a new account)

- 7.1 Alternatively next to **NO account?** select **Create one!**
- 7.2 On the Create account page type your custom email address
- 7.3 Select Next
- 7.4 On the **Create a password** window type a unique **password** and select Next

7.5 On the Create account page type in your country and Birthdate and select Next

7.6 On the **Verify email** page notice you *need to enter a code*, log into your gmail account and select the email and find the code and then **enter the code** in the **Enter Code** area and select **Next**

- 7.7 On the **Create account**, page enter the **custom security** letters for your login
- 7.8 On the Stay Signed in page, select Yes
- 7.9 On the Sign in page type in your custom email address and select Next
- 7.10 On the Enter password page, type in your password and select Sign in



8.1 To the left of the page, select the Microsoft icon

8.2 Then look to the right of the page and select your **account Icon**, next select **Add your name**

8.3 On the **Your info** page under **First name** type your custom **name** and under **Surname** type your custom **Surname**, type in the **matching security letters** and select **Save**



9.0 Open an Incognito browser session with Google Chrome and copy the following url in the Browser address bar,

https://developer.microsoft.com/en-us/office/dev-program

9.1 To the right select **Sign In**, On the **Sign In** page type in your **custom email address** and select **Next**

9.2 On the Enter password window, type the custom password you created and select Sign in

9.3 On the Stay signed in? window select Yes

9.4 On the Join Office 365 Developer program today page select JOIN NOW>

9.5 On the **Office 365 Developer Program Signup** page select your **Country/Region** and type in the **name of your Company** and select the **two checkboxes** for **terms and conditions** and **information** and select **NEXT**

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MOSION Office Der Center Index - Andres - Regen - Egen Dalland - Allement - D Regin	
Join the Office 185 developer program today De devlaup program, also de land pransland to de more de value program, also de land pransland to de	
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Microsoft	
Sign in	
ranmo.bojo@gmail.com	
No account? Create one!	
Can't access your account?	
Next	
Join the Office 365 developer program today!	
The developer program is designed to help you create intelligent, connected solutions that enable customers and organizations to do more.	
< WON NIDL	
Office 365 Developer Program Signup	
Welcome to the Office 365 Developer Program!	
First Name: Ranmo Last Name: Bojo Ernal: ranmo.bojo@omail.com	
Country/Region *	
United Kingdom	
Company *	
EUCLivefin	
I accept the terms and conditions of the Office 305 Developer Program. Note that contain data will be collected from use of the Office 385 developer subscriptors to help us access active development of applications as required under this program.	
I would like information, tips, and offers about the Office 365 Developer Program.	
Please refer to the privacy statement for more information.	
text Folie us: 🛐 🛫	

10. On the **Office 365 Developer Program Preferences** page select **enough check box and options** to make sure the **Join** button becomes available and the select **JOIN**

Complete the following	fields to help us persor	alize your experience.
What industry do you work in? *		
Education	~	
What is your primary focus as a dev	veloper? * (Choose only one)	
Applications to be sold in marke	t Custom so	utions for my own customers
Applications for internal use at n	ny company 🗹 Personal p	rojects
What are you interested in developi	ng? * (Check all that apply)	
Applications to be sold in marke	t Custom so	utions for my own customers
Applications for internal use at n	ny company 🗾 Personal p	rojects
What are your areas of interest?		
Products (Check all that apply) *		
🗹 🕼 Access	OneNote	🗌 🕼 Publisher
🗹 🕼 Excel	🗌 🛃 Outlook	🔲 🗊 SharePoint
🗌 🕑 Kaizala	□ 榮 Planner	Skype
🗌 🏭 Microsoft identity platform	PowerApps	Skype for Business
Microsoft Teams	Power Bl	🗌 🕼 Visio
Office 365	PowerPoint	🗌 🖬 Word
🗌 🛳 OneDrive	🔲 🕼 Project	☐ Y∈ Yammer
Technologies (Check all that apply)		
Actionable messages	Data visualizations	OAuth 2.0
Add-ins	Microsoft Bot Framework	SharePoint Framework
Azure AD	Microsoft Graph	Tabs
Connectors	Office UI Fabric	U VBA
Code languages & platforms (Chec	k all that apply)	_
Android	L JQuery	LI Ruby
L Angular	L Knockout	Swift
	Node.js Objective_C	
	PowerShell	Visual Basic NFT
ios	Python	Xamarin
Java	React	
InvaScript	REST API	

11. Close the **Welcome to the Office 365 Developer Program!** Window by selecting **Close**



12. On the Office 365 Developer Page select SET UP SUBSCRIPTION



13. In the **Setup your developer subscription** window, create a unique admin account , for example, your username could be CloudAdmin and your **Domain** could be your firstname and surname

NB! Ensure you document these credentials

14. When you are done select Continue

15. On the **Add phone number for security** windows type in your **Country Code** and your **phone number**

16. Select **SEND** code , follow through on the **security picture block** selecting your **relevant pictures**, and select **Next** Enter the Code from your phone and select Set up



17. Once **your** registration is complete you can login in using your new ADMIN account. On the your **Office 365 Subscription** page select and right click the **Go to subscription** hyper link and select Open Link in New Tab

Alex Zohab Member since 4/3/2019
All your Office 365 developer subscriptions
To learn more about how to work with your subscription, see Build Office 365 solutions.
alexzohab.onmicrosoft.com
Go to subscription
Expires on Apr 3, 2020
Po Administrator (365/366)
cloudadmin@alexzohab.onmicrosoft.com
R ^Q Users days left 25 accounts in total

18. On the **Sign In window** , Enter your **password** and select **Sign in**



19. On the **Office 365 Page** almost in the middle select **Admin**

 Office 365	
▲	Is this a brand-new Office 365 licence? This is your Office 365 home page. It's a little empty at the moment. Click Assign Products account and to the other users in your organisation. Then, all of your apps will appear here
▲	Still can't see any apps? If you have just purchased an Office 365 subscription, or if your IT admin has assigned one of your apps are available. Please refresh this page after ten minutes.
App Sec Con Explo	os urity & Add-In Add-In re all your apps →

20. On the **sign in** page pick your new **CloudAdmin** account

Microsoft						
Pick	Pick an account					
Å	Alex Zohab cloudadmin@alexzohab.onmicrosoft.com Signed in	:				
8	Alex Zohab Alex.zohab@gmail.com Signed in	÷				
+	Use another account					

21. If you get prompted with a Welcome to Office 365 Admin Center Page select Skip



22. Notice the Office 365 E3 Developer Setup is incomplete. Select Go to Setup box

Office 365 Enterprise E3 Developer setup is incomplete. Get someone to help you.



23. **NB!** Before moving onto the next section, ensure that you are **100% clear** what **YOUR** registered Domain will be.

In the course lab we will use a Domain naming convention based on the location we are delivering at.

For example if this training session was being delivered in Atlanta , your domain name might be **atlanta01.euc-livefire.com** for **student number 1**. If we have 18 attendees there will be 18 different registered Domain names using the above mentioned naming convention. we have automated the dns configuration for this lab, so we will use a **vrealize automation self service portal** to configure your dns zone.

On the **Microsoft 365 admin center** ensure the **Connect a domain you already own** radio button is selected and below *type your registered Domain name* (this example in the screenshot is only for demo purposes) select **Next**

Note when registering your own domain name with Office 365, there are several approaches. The most seamless and trouble free approach is to register your own Domain Name with GODADDY. This provides a seamless experience and the verification takes seconds once you have your own domain name from GODADDY. GODADDY is an example of a name provider that seamlessly integrates with Microsoft's Office 365. If one chose this option your name that you use would belong to you for however long you choose to use your Office 365 Tenant

Another approach is to do this manually. EUC Livefire already owns a domain name which is hosted in AWS Route53. In the Office 365 setup wizard you will notice there is a step by step guide on how to setup your zone in AWS Route53 manually. We have chosen to automate this process for the sake of time.

If you choose this option the zone provided to you by Livefire associated with your tenant will possibly only be active for a maximum of a month and you will then have to find your own Domain name.

If you choose to follow the Livefire option, we have automated this process for your convenience using VMware VRA. Generally DNS name configuration in AWS Area 53 is a completely Manual process. We have automated more than 98% of this process. You will however interface with VMware vRealize Automation for 2 configurations.

1. MS record modification

2. MX record modification

You do not have Access to AWS AREA53. You will be using VMware vRealize Automation to facilitate the edit of these records



24. On the **Verify domain** page notice there are step-by-step instructions to follow,

Notice that there are DNS records called **TXT name**, **TXT value** and **TTL**

- Note!. We have our Hosted DNS service in called AREA53 on AWS. We have our own euclivefire.com Zone. Each of you have your own registered Zone Database, that is part of the EUC-Livefire.com namespace. eg. Tokyo01.euc-livefire.com. Your Office 365 instance will need to be verified with this namespace .To do this will require to modify your DNS subzone, working with the vrealize automation portal in a different browser tab while your doing your o365 tenant.
 - 1. Click on the **copy** icon next to your MS record
 - 2. Select Verify at the bottom of the screen

NB! At this point ignore any error messages !

Verify domain 🕕
To verify that you own this domain, add this DNS record to your domain (only the domain owner can do this). Don't worry, adding this record won't affect your existing email or other services and it can safely be removed at the end of setup. Follow these step-by-step instructions \rightarrow to create a new DNS record using the values below at Amazon Web Services (AWS) \rightarrow . (Not your DNS host? \checkmark)
TXT name: International to the second se
Get someone to help you. Let us help you set up your TXT records.
Or, add an MX record to verify ownership instead.
Back Verify ③ Exit and continue later

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- On your **Controlcenter2 desktop**, from your task bar open your **FireFox Browser**
 - 1. Next to the bookmarks bar open vrealize automation
 - 2. Next to the "Select your domain" dropdown menu select corp.local
 - 3. Select Next



- VRA automation continued ...
 - 1. In the **username** field type **vra-euc-student**
 - 2. In the **password** field type VMware1!
 - 3. select Sign in

ESC Corporate Hybrid Cloud × +			-	٥	
	uthenticate/?SAMLRequest=nVbZkqJKEH33Kwz60VA2ZYu2J1DcFWkQRV5usBSLDRRSIOLXX9plpmfpmbn3iagi6%28TJPFkcn	r%28c46h5Ah 4	0 4 ☆	θ	,
Apps C GetPodIP Vrealize automation					
	KLAFTE SKY WERFERATER				
	username vra-euc-student				
	2 password				
	corp.local				
	3 Sign in				
	Eorgot password?				
	Change to a different domain				
	vm ware:				
o m 🔗 🗖 👩 🙈 📼		へ 町 d	12:5	3 AM	I

- 27. VRA automation continued ...
- In the update zone records catalog object, select Request



27.

- VRA automation continued ...
 - 1. Next to **zone prefix** dropdown menu select the **city corresponding to your current location**.
 - 2. Next to **zone number** drop down menu select **your dns zone number** as described in your information sheet
 - 3. Under **Records update** next to **MS record** replace the existing record your MS record and Paste your **MS record**,

NOTE ensure that your MS record is enclosed in Quotation Marks

4. Select Submit

Catalog Dep	oloyments Inbox
O Update z	One records Business group Livefire-EUC-student ~
Zone selection	
*Zone prefix:	madrid 🔹 🕐
@ Zone number:	35 🗸 2
	Ũ
Records update	3
MS record:	"MS=ms78072832"
MX record:	0 madrid35-euclivefire-com02i.mail.protection.outlook.com.
	4

28. Wait until the progress shows 100% and continue with your lab. you might need to refresh your browser if you see no progress bar.

SSC Corporate Hybrid Cloud × +		- 0 ×
← → C ☆ 🔒 https://vra-01a.corp.local/vcac/org/esc/#csp.	cs.ui.catalog.list	☆ \varTheta :
👯 Apps 🗋 GetPodIP 🔇 vrealize automation		
	① You have a new message. VIEW MESSAGE	×
ESC Corporate Hybrid Cloud		
Catalog Deployments Inbox		
Deployments 2 items Y Q Search for deployments by name, description, IP address, resource	ce name or machine status	Sort: Created Date (descending) 🗸 🦿
Update zone records	#129 - Workflow Execution Update zone records - Successful	100% ACTIONS ~
Owner Business group Livefire-EUC-student	The request was successfully completed	4 minutes since submitted

29 .Go back to your o365 domain configuration and click on **verify**. it might give you an error because of the time it takes to replicate DNS configurations and it might require you to click on verify a couple more times.

Verify (Verify domain				
To verify that you ov Don't worry, adding	vn this domain, add this DNS record to your domain (only the domain owner can do this). this record won't affect your existing email or other services and it can safely be removed at the end of setup.				
Follow these step-b	by-step instructions $ ightarrow$ to create a new DNS record using the values below at Amazon Web Services (AWS) $ ightarrow$. (Not your DNS host? 🖉)				
TXT name:	To tokyo01				
TXT value:	🗅 MS=ms35097303				
TTL:	1 3600 or your provider default.				
Get someone to help	Get someone to help you. Let us help you set up your TXT records.				
Or, add an MX recor	Or, add an MX record to verify ownership instead.				
Back Verify	Back Verify ③ Exit and continue later				

30. On Add new users window select Got it, thanks, select Next

Add	new	users	
We detect tha stop.	t an email provid	er is already associate	d with atlanta01.euc-liv
Got it, that	nks		
Add new u We'll assign a Office 365 Enterpr	ISERS ise E3 Developer license to each u o this now?	ser you add here. When you're done, we'll	give you the sign-in information to share with the user
You have 25 of 25 license(s) an	railable. View all users.	User name	
		@ toky	o01.euc-livefire.com
25 license(s) available		- 00K)	de reac-mennacom
+ Add another user			
Send password for new user CloudAdmin@ranmabajo.onmicrosof	s to my email Loom		
You can add more users anytime Back Next O Lit ar	e in the Office 365 admin center. nd continue later		

31. On the **Assign licenses to unlicensed users** page select **Next**



Here's a list of users who haven't been assigned a license. Select each user that should be assig You have 25 of 25 license(s) available. When you assign the license, they will be able to use t

Search	n users 🔎	
	Display name	Username
	Ranmo Bojo	CloudAdmin@ranmob
Bark	Next ③	

32. On Install your Office apps page select Next

Office 365 Enterprise E3 Developer Setup	Step 1 Personalize sign-in	Step 2 Add users	Step 3 Get apps	Step 4 Connect domain			
Install your Office apps Install Office apps for yourself so you can take full advantage of your subscription. Selecting Install now will assign a subscription to you. If you don't have one a							
Install Office apps for yourser so you can take hull advantage of your subscription. Selecting install now will assign a subscription to you, if you don't have one a Install the following apps on your computer: Word, Excel, PowerPoint and Outlook. Install now I							
type for Business instant messaging, audio and video calls, online meetings and presentations, availability information, and sharing.							
Want to install the apps later? Assign a Back Next ③ Exit ind corr	license to yourself and go to th	e Office software card on the	e Admin center home page t	o find your download links.			

33. On the **Migrate email messages** page leave the default **Don't migrate email messages** radio button and select **Next**



34. On the **Choose your online services** page, ensure that **Exchange, Skype for Business** and **Mobile Device Management for Office 365 checkboxes** are selected and select **Next**

III Microsoft 365 admin center			
Office 365 Enterprise E3 Developer Setup	Step 1 Personalize sign-in	Step 2 Add users	Step 3 Cet apps
Choose your select the services you want to start up add point of your domain same, once young for a service nous, later service of the service nous, later service Why would i step setting up a service	ing now. Tor an online service a you addret, You unually manage and will halp out with rate-point to their when you're ready to or to?	TVICES to nork correctly, you have to pr OKS records through the step instructions. If you skip it it up.	,
Exchange Email: contacts, and acteduting an the functionality of Dutlook and o V How many DNS recents do The	Fall provided by Exchange. Set ther email clients. ave to setup?	up this service to enable all	
Skype for Business Online communication services like Skype for Business. When many DNS records do The	a chart, conference calls, and vie ave to setup?	deo calit are provided by	
Mobile Device Management for This service helps you secure and domain. O However, DEV moment of the Back Next O for domain to secure the secure of the secure secure of the secure of the secure of the secure secure of the secure of the secure of the secure secure of the secure of the secure of the secure secure of the secure of the secure of the secure secure of the secure of the secure of the secure of the secure secure of the secure of the se	DMice 345 nemotely manage mobile device rvm to settue! Clinae later	es that connect to your	

35.

- On the Add DNS Records page.
 - 1. When ready select **Verify** at the bottom of the **Add DNS Records** window. If there is a failure on any records reach out to the EUC-livefire instructor team to get the records fixed and select

Verify again. Note you might have to give a few minutes for the records to update in DNS before selecting **Verify**

- 2. Notice that when **Verify** is successful the **you just configured your Office 365 Tenant successfully** will show and you are ask to provide feedback related to your experience.
- However, If Verify is Not successful and its MX related in the message go to the next step in this exercise.



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- If you get an error mentioning your **MX records** follow these steps:
 - 1. Click on the the copy icon next to Expected record
 - 2. On your **ControlCenter2** server, Go back to the **update zone records tool**, select **REQUEST**
 - 3. Get to your zone and paste the MX records,
 - NOTE the example, there is a zero in front MX record, this is a priority field and should not be deleted.
 - 4. Select SUBMIT
 - 5. Go to your 0365 domain configuration and **Verify** the domain again.
 - 6. You should get a message saying You've reached the end of the setup

Expected vs actual record	Priority	Host name	Points to address or value		
^ ⊗ Expected record	0 🗘 0	🖏 atlanta01	atianta01-euclivefire	-com03c.mail.protection.outlook.c	t.
Actual record	0	atlanta01	atlanta01-euclivefire	-com02i.mail.protection.outlook.co	
C Lindata Zana racarda	. Purinarra	aroun Thefen RUC stud			
O opuate zone records	COLUMN	goop Dame-coc-ma			
Zone selection					
Zone pretic madrid	~	0			
e Zone number: 35	*	•			
Records update					
MS record:	2"				
MX record: 0 madrid35-eucl	vetre-com030.	mail protection outlook.com	3		
SUBMIT CANCEL	9				
Verify domair	n				
To verify that you own this domain, add Don't wony, adding this record won't af	this DNS record to fect your existing	o your domair email or other			
Follow these step-by-step instruction	i → to create a m	ew DNS reco			
TXT name: D tokyo01 TXT value: D MS=ms3509	7303				
TTL: D 3600 or your	provider defa	a.			
Get someone to help you. Let us help yo	iu set up your TXT	records.			
Or, add an MX record to verify ownershi	p instead.				
Back Verify 💿 Balt and cor	dinue later	6			
Office 365		Step 1	Step 2	Step 3	Step 4
Enterprise E3 Developer Setup		Contract or given in	0	Ø	0
			-	-	-
You've rea	ache	ed the er	nd of set	an	
If you still need to add users o	r set up onlin	e services, you can do that	from the Admin center.	F	
How did it go? Please rate you	r experience.				
	7				
Co to the Admir	a conto				
Go to the Admin	rcente	a ♥			

- 37. Select Microsoft 365 Admin center next to the 9 dot blue square in the top left corner.
 - In your Microsoft 365 Admin center,
 - 1. Select the 3 parallel dots in the black bar to the left of the console, this will expand the console
 - 2. Select the Spanner icon for **Setup** and select **Domains**



- In the Home > Domains interface, check to see if your namespace you have associated with your Office 365 setup has a (Default) next to it. If this is the case do the following.
 - 1. Select your **account name** that is not set to default :
 - 2. Select Set as default
 - 3. Your custom domain cannot be the default domain when federating with Workspace ONE Access. Select **Close.** Check to see that you have a corresponding configuration in the domain portion of your setup as the screenshot.



Part 2: Federating Office 365 with Workspace ONE Access.

In Part 2 of this lab session we will now federate our Office 365 Tenant with a Workspace ONE Access SAAS tenant.

- 1. Using your **Tenant Admin** credentials, login into your **SAAS Workspace ONE Access** Tenant.
 - 1. To the right of the **Workspace ONE Access** console under **Tenant Admin** select **Administration Console**

	Workspace ONE"		
Username			
admin			
Password			
	System Domain	_	
	Sign in		
	Forgot Password?		
Chang	e to a different domain		
	vm ware [.]		
			☆ ()
	Tenant Admin V		
	Administration Concele		
	Administration Console		
	Settings		

- 2. Select the Identity & Access Management tab
- To the right in the Identity & Access Management tab select Setup > User Attributes

8 Work	Users & Groups ► Users & Groups NEW EDIT	ess Catalog Iden Assign Delete	tity & Access Managemo CATEGORIES V	ent Roles MORE V	SETTINGS	[
(Application	Туре			Categories	
C	🛛 闦 AirWatch	SAML 2.0				
; Catalog - User Attribute	Identity & Access Ma	anagement Roles	iscovery AirWale	2	Search users, groups or ap	plications
ectors (1)					Add Connector	
Name	Worker	Identity Provider(s)	Authentication M	Associated Direc	Available Actions	
t Name: ws1- nector.euc-	WS1-Connector	WorkspaceIDP 1376	Password	LivefireSync	茴	

3. In the **User Attributes** interface notice you have already set **userPrincipalName** and **distinguishedName** to **Required** and you have already created the **objectGUID** attribute.

These are pre-req requirements for Federating Office 365 with Workspace ONE Access.

	disabled	
	distinguishedName	✓
	domain	
	email	✓
	employeeID	
	firstName	✓
	lastName	✓
	mfald	
	mfaPhoneNumber	
	phone	
	userName	~
	userPhotoChecksum	
	userPrincipalName	•
o A a	.dd other attributes to sync to the directory. Go to the directory's attributes page to matributes.	ap these
	Attributes	+
	objectGUID	× +
	Save	

- On your ControlCenter2 desktop server select your Software shortcut and open the path to the Applications folder. In the Applications folder open the Azurefiles folder.
 - 1. Open the msoidcli_64.msi installer and when prompted select Run
 - 2. On the **Microsoft Online Services Sign-in Assistant Setup** page select the **I accept the terms in the Licence agreement**... **checkbox.** Select **Install**,
 - 3. When the installer is done select **Finish**
 - 4. If prompted to **restart** then do so and login as administrator



- 5.
 - Under the same Azurefiles folder,
 - 1. Select and launch the AdministrationConfig-en.msi , select Run. On the Open File -Security Warning window select Run
 - 2. On the **Windows Azure Active Directory Module for Windows Powershell Setup** window select **Next**
 - 3. On the **License Terms** window , ensure the **I accept the terms radio button** is selected and select **Next**
 - 4. On the Install Location window, select Next
 - 5. On the **Ready to Install** window select **Install**
 - 6. Select Finish



6.

- On your ControlCenter server desktop, you will notice a Windows Azure Active Directory for Powershell Shortcut.
 - 1. Right click the Windows Powershell and select Run as administrator
 - 2. For your convenience we have added all the powershell commands to a TXT file that is available in the software folder on the desktop.You can copy the commands from the file directly into the powershell. **Please note some of the commands require editing**
 - 3. Simply browse to **\\cs1-pd1.euc-livefire.com\software\Applications\Azurefiles** where you will find the file **powershell commands.txt**
 - 4. In the Powershell Console type the following

Connect-MsolService

- 1. When prompted for **User name** and **Password**, use your Cloud Admin account e.g. *cloudadmin@ranmobojo.onmicrosoft.com*
- 2. Next we have to create a Service Principal account type in the powershell

\$sp = New-MSOLServicePrincipal -DisplayName 'ServPrinc1' -Type password
-Value 'VMware1!'

3. Next we are going to assign a role to the ServPrinc1 user Add-MsolRoleMember -RoleName 'User Account Administrator' -RoleMemberType ServicePrincipal -RoleMemberObjectId \$sp.ObjectId



Windows Azure Acti	0 2
<pre>PS C:\Users\administrator.EUC-LIVEFIRE PS C:\Users\administrator.EUC-LIVEFIRE</pre>	<pre>\Desktop> Connect-MsolService \Desktop> _</pre>
Enter Credentials 2 Please enter credentials User name: Image: mnobojo.onmicrosoft.com v image: mnobojo.com v image:	3
PS C:\Users\administrator.EUC-LIVEFIRE lue 'VMware11' PS C:\Users\administrator.EUC-LIVEFIRE	<pre>\Desktop> \$sp = New-MSOLServicePrincipal -DisplayName 'ServPrinc1' -Type password -Va \Desktop> _</pre>
	6
<pre>PS C:\Users\administrator.EUC-LIVEFIRE ervicePrincipal -RoleMemberObjectId \$s PS C:\Users\administrator.EUC-LIVEFIRE</pre>	<pre>\Desktop> Add-MsolRoleMember -RoleName 'User Account Administrator' -RoleMemberType S p.ObjectId \Desktop> _</pre>

7

- Revert back to your Workspace ONE Access SAAS Tenant Admin Console
 - 1. Select the **Catalog** Tab in the **Admin Console**, select **NEW**
 - 2. In the New SaaS Application window under Definition select or browse from catalog
 - 3. In the **DEFINITION** window to the right in the **search** area type off

4. Select **Office365 with Provisioning** by selecting the + sign to the right

NEW			
KEW	EUT AGAINY DELETE LATEGURES V MORE V SETTINGS		
Applicati	on	Туре	
		7	
ew SaaS Ar	oplication		
1 Definition	Definition		
2 Configuration	Search		
3 Access Policies	Q.	6	
5 Access Policies	or browse from catalog	C	
4 Summary	Name *		
DEFINITION			
DEFINITION		4 Application(s) न	^r offi
Application	Description	4 Application(s) Type	7 offi Status
Application Confice 365 SharePoint	Description Office 365 Endersited login that allows organizations to federate to Office 365 SharePoint using	4 Application(s) Type VM WS-Fed	F offi Status +
Application Application Office365 SharePoint Office365 with Provisioning	Description Office 365 federated login that allows organizations to federate to Office 365 SharePoint using Office 365 federated login that allows organizations to federate to Office 365 Portal using VMw	4 Application(s) Type Type VMWS-Fed areWS-Fr	P offi
Application Control Co	Description Office 365 federated login that allows organizations to federate to Office 365 SharePoint using Office 365 federated login that allows organizations to federate to Office 365 Portal using VMw	4 Application(s) Type VM_ WS-Fed are_ WS-F(3)	F offi
Application Application Office365 SharePoint Office365 with Provisioning	Description Office 365 federated login that allows organizations to federate to Office 365 Portal using VMw	4 Application(s) Type VM_ WS-Fed are_ WS-F	r offi () Status + + + - + 1-4 of 4 Itemp
Application Application Control of the state	Description Office 365 federated login that allows organizations to federate to Office 365 SharePoint using Office 365 federated login that allows organizations to federate to Office 365 Portal using VMw	4 Application(s) Type VM_ WS-Fed are_ WS-Fr	r offi Status + + 1-4 of 4 litere
Application Application Office365 SharePoint Office365 with Provisioning SharePoint	Description Office 365 federated login that allows organizations to federate to Office 365 SharePoint using Office 365 federated login that allows organizations to federate to Office 365 Portal using VMw	4 Application(s) Type VM_ WS-Fed are_ WS-F• 3 4	r offi Status + +- 1-4 of 4 Itemo

8 On the New SAAS Application window select Next

	Search
Definition	Q Office365 with Provisioning
2 Configuration	or browse from catalog
Access Policies	Name *
Summany	Office365 with Provisioning
Juninary	Description
	Office 365 federated login that allows organizations to federate to Office 365 Portal using VMware Identity Manager as Identity Provider
	with Provisioning capability.
	Icon 🗊
	SELECT FILE
	Office365 with Provisioning

9. In the **New Saas Application** window, in the **Configuration** section add the following:

- Under Target URL add the following. Actual text to copy to edit into the configuration is in BLUE
- edit the last area after hint=domain_hint=tokyo01.euc-livefire.com

```
https://login.microsoftonline.com/common/oauth2/authorize?client_id=00000002-0000-0ff1-
ce00-0000000000&response_mode=form_post&response_type=code+id_token&
scope=openid+profile&redirect_uri=https%3a%2f%2foutlook.office365.com&
domain_hint=tokyo01.euc-livefire.com
```

	https://login.microsoftonline.com/common/oauth2/authorize?client_id=00000002-0000-0ff1-ce00-00000000
arge	Jet ORL
sco	ope=openid+profile&redirect_uri=https%3a%2f%2foutlook.office365.com&comain_hint=tokyo01.euc-livefire.com

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• In the **New Saas Application** window, in the **Configuration** section leave the following default:

-Single Sign-On URL / Application ID / Username Format / Username Value

- 1. Add the following: under **Application Parameters** in the *tenant* line under **Value** add **YOUR** custom Fully Qualified Domain Name ie tokyo01.euc-livefire.com
- 2. Under **Application Parameters** in the *issuer* line under **Value** add your custom domain name (without the .com part) ie **tokyo01.euc-livefire**

Make sure there are no hidden carriage returns if you paste this in

Edit SaaS Application					
1 Definition	Application Parameters				
2 Configuration	Name	Description	Default Value	Value	
3 Access Policies	tenant	Office 365 Domain		sanjose33.euc-livefire.cc	0
4 Summary	issuer	Office 365 issuer URI		sanjose33.euc-livefire	-
1	Advanced Propertie	rs ∨			

11. In the **New Saas Application** window, in the **Configuration** section under **Advanced Properties** *leave the following default:*

-Enable Multiple O365 Email Domains / Credential Verification / Signature Algorithm / Digest Algorithm / Assertion Time

-Under Custom Attribute Mapping in the UPN and ImmutableID keep the values default

• In the New Saas Application window, in the Access Policies section select NEXT

New SaaS Application		×
1 Definition	Access Policies	
2 Configuration	Access policies specify the criteria that must be met in order to access applications. Select access policies to manage user access to specific applications below.	
3 Access Policies	default_access_policy_set ~	
4 Summary	Client Access Policies for Username/Password Clients	
	When Office 365 clients (VMware Boxer, iOS and Android native email clients) use username and password authentication, Identity Manager controls access through Client Access Policies. Set your client access policies below	L
	These client access policy apply to all WS-Fed Web (Office 365) applications configured in the catalog. Creating a new rule or editing an existing rule impacts all users that access any of these apps.	
	Clients Network Range Device Type Groups Action	
	ADD POLICY RULE	
	CANCEL BACK NEXT	

12. In the New Saas Application window, in the Summary section select SAVE

New SaaS Application		×
1 Definition	Definition	
2 Configuration	Name Office365 with Provisioning	
3 Access Policies	Description	
4 Summary	Office 365 federated login that allows organizations to federate to Office 365 Portal using VMware Identity Manage as Identity Provider with Provisioning capability.	èr
	Categories 	
	Configuration	
	Authentication Type WSFed 1.2	
	Single Sign-On URL https://login.microsoftanling.com/login.srf	
	CANCEL BACK SAVE & ASSIGN SAVE	E

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- We will now do the Entitlement configuration of the User
 - 1. In the Catalog for Web Apps select the Office 365 with Provisioning and select Assign
 - 2. In the **Assign** wizard type Mark in the **search area** under **Users / User Groups**, select **Marketing@euc-livefire.com**
 - 3. Under **Deployment Type**, select the **drop down arrow** change the **Deployment Type** to **Automatic**
 - 4. In the **Assign** wizard, review your configuration, in the bottom right hand corner select **SAVE**

Selected App(s): Office365 with Provis	le e le e		
	lioning		
Jsers / User Groups			
Q, mark	2		
Marketing@euc-livefire.com			
	N	0	
Salastad Usars / Usar Groups		Deployment Tune	
Selected Users / User Gloups		З	
Marketing@euc-livefire.com		Automatic	×
ssign		×	
elected App(s): Office365 with Provisioning			
ers / User Groups			
2 Search for Users or Groups			
elected Users / User Groups	Deployment Type		
* Marketing@euc-livefire.com	Automatic	~	

Part 3: Using Azure ADconnect for user provision to Azure AD

In this part we are goin to install Azure AD Connect tool to provision users to azure AD from on premise Active Directory.

Please note: It is best practice to use Azure AD connect tool but not a requirement. You can also provision users to Azure AD from Workspace ONE Access using Office365 with Provision application with Setup Provisioning ENABLED.

1. From your **Controlcenter** machine desktop, open the **Software** shortcut on your desktop and navigate to the **Applications > Azurefiles >ADconnect** folder.

2. Double- click on AzureADConnect.msi and click run on the security warning



3. On the **Welcome to Azure AD Connect** window check the box next to "I agree to the license terms and privacy notice" and click **Continue**

🚸 Microsoft Azure Active D	irectory Connect _ X
Microsoft Azure Active D Welcome Express Settings	 irectory Connect Welcome to Azure AD Connect Run this installation tool on the server where the synchronization service component will be installed. Azure Active Directory Connect integrates your on-premises and online directories. This installation tool will: Guide you in selecting a solution (for example, password hash synchronization or federation with AD FS) Install identity synchronization and other Microsoft software components required for deployment Enable application telemetry and component health data by default. You can change what data is shared with Microsoft by updating your privacy settings. Learn more
	I agree to the license terms and privacy notice.
	Continue

4. In the Express Settings window click on "Use express settings"

🔷 Microsoft Azure Active	Directory Connect _ X
Welcome Express Settings	Express Settings
	If you have a single Windows Server Active Directory forest, we will do the following: • Configure synchronization of identities in the current AD forest of EUC-LIVEFIRE • Configure password hash synchronization from on-premises AD to Azure AD • Start an initial synchronization • Synchronize all attributes • Enable Auto Upgrade Learn more about express settings If you would like different settings, click Customize.
	Customize Use express settings

5. On the **"Connect to Azure AD"** window, **fill in your credentials** for your microsoft account and click **Next**

I Microsoft Azure Active D	irectory Connect _ 2
Welcome Express Settings Connect to Azure AD	Connect to Azure AD
Connect to AD DS Configure	USERNAME cloudadmin@fredsmith.onmicrosoft.com PASSWORD •••••••
	Previous Next

6. In the "**Connect to AD DS**" window fill in your domain credentials, **USERNAME:** EUC-LIVEFIRE\ ADMINISTRATOR, PASSWORD: VMware1!

🚸 Microsoft Azure Active D	Directory Connect _ X	
Welcome Express Settings Connect to Azure AD	Connect to AD DS Enter the Active Directory Domain Services enterprise administrator credentials: 👔	
Connect to AD DS Configure	USERNAME EUC-LIVEFIRE\administrator PASSWORD	
	Previous Next	

7. Verify your custom domain is verified

8. Check the box next to "Continue without matching all UPN suffixes to verified domains" and click Next

Microsoft Azure Active E Welcome Express Settings Connect to Azure AD Connect to AD DS	irectory Connect Azure AD sign-in confi To use on-premises credentials for Azure AD sign-in, domains in Azure AD. The following table lists the UP along with the matching custom domain in Azure.	GURATION UPN suffixes should match one of the verified custom PN suffixes defined in your on-premises environment,	_ ×
Azure AD sign-in	Active Directory UPN Suffix	Azure AD Domain	
Configure	euc-livefire.com	Not Added 😢	
	sanjose33.euc-livefire.com	Verified	
	Continue without matching all UPN suffixes to ve Users will not be able to sign-in to Azure AD wi match a verified domain. Learn more	erified domains ith on-premises credentials if the UPN suffix does no	ot
		Previous Next	٦

9. On the "**Ready to configure**" windowmake sure the box next to "**Start synchronization process when configuration completes**" is checked and click **Install.** Getting to the following step should take a couple of minutes.



10. In the "Configuration complete" window click "Exit"

🚸 Microsoft Azure Active Di	irectory Connect _ X
Welcome Express Settings Connect to Azure AD Connect to AD DS Azure AD sign-in Configure	 Configuration complete. Aure AD Connect configuration succeeded. The synchronization process has been initiated. The configuration is complete. You can now log in to the Azure or Office 365 portal to verify that user accounts from your local directory have been created. Then, do a test sign-on to the Azure portal. Learn more The Active Directory Recycle Bin is not enabled for your forest (euc-livefire.com) and is strongly recommended. Learn more Azure Active Directory is configured to use AD attribute mS-DS-ConsistencyGuid as the source anchor attribute. Learn more
	Previous

Part 4: Setting up the SAML between Workspace ONE Access and Office 365

- 1. Ensure you do the next section on your **ControlCenter2** server .
 - Login to your to the Workspace ONE Access Admin Console, as Admin, under the Catalog > Web Apps tab to the right select SETTINGS
 - 2. In the **Settings** window under **SaaS Apps**, select **SAML Metadata**, in the right hand pane under the **SAML Metadata** heading select **DOWNLOAD** under **Signing Certificate**
 - 3. Using Notepad++ Open the **signingCertificate.cer** from your default download location .

🛟 Workspace ONE [™]
Dashboard 🔻 Users & Groups Catalog 🔻 Identity & Access Management Roles
NEW EDIT ASSIGN DELETE CATEGORIES V MORE V SETTINGS
Application Type
Office365 with Provisioning WS-Fed
Settings ×
Global Service Provider (SP) metadata C Copy URL
Approvals Signing Certificate
SaaS Apps Expires
SAML Metadata February 1, 2029
Application Sources Issuer C=US, O=AW-EUCLIVEFIRE, CN=VMware Identity Manager
signingCertificacer

2. In the **signingCertificate.cer** we will remove all carriage returns the document

Do this with Notepad++ on your **ControlCenter server**. Any hidden carriage returns will cause this exercise to FAIL

- 1. Remove the -----BEGIN CERTIFICATE----- and -----END CERTIFICATE----- lines from the certificate.
- Then select the certificate portion of the file and click ctrl + F in the Replace tab at the top type \n in the Find what field.Leave the Replace with field empty. Make sure the Search Mode at the bottom is Extended. Then click on Replace All.
- 3. Your certificate should now no longer have carriage returns. Notepad++ will tell you how many instances were replaced and your certificate will look different.

MIIFG;CCAwKgAwIBAgIGGbBBMdb5MA0GCSqGSIb3DQEBCwUAMEUxIDAeBgNVBAMM FIZNA2Fy2SBJZGVudGl0eSBNYW5h22VyMRQwEgYDVQQRDAEBVy1TRkdMT0JBTDEL MAkGA1UEBhMCVVMwHhcNMTkwNjEwMTMyOTI1WhcNMjkwNjA3MTMyOTI1WjBFMSAw HgYDVQQDDBdWTXdhcmUgSWR1bnRpdHkqTWFuYWdlcjEUMBIGA1UECgwLQvctU02H TE9CQUwxCzAJBgNVBAYTAIVTNIICIjANBgkqhkiG9w0BAQEFAAOCAg8AMIICGgKC AgEApsCGY4zYIOSFTHEgJ4mqIclG80euw53SKGutOTV1H7KCygaZVacnapY81Koy 4NCh81LUf+ND1GHpnt/QTPqOZRbrPq/4uvSHIdgeiUcoyTzkCyvQuORqoHaFT/5J +H/atuPswrVp5qTcoq1CILtqXKNeNUhh8bvEaggAkZPNcVet9m833W/aeoDTj 3QwDh-Cdu5jMBi3GtN1Rj633+FabH6QW/J3zpUmFg362KNHugDa8GmrVjdUVB uX26bPKt6gov+rBDamXU9wEyhOeeClKjIz81+Hx/iGbxoHKOJpkG/1+M1AEz+oqz Yo8NB32BEFK66S1Vy8Tuxvj38E558AcWSmomnZrCgWrg52oqU5vmAIDELNYuvx xrbM9L+cU01wE5jxdqQ52N46K8Cjt9CtdAKdJv7tG+HUQU3mXb2g2qzRvs0xni5a Lrn8AArThM751Srg8TSIInyy5IXrWoq3NCyyTs+00333cZn/N84oyutkpB/ekqQX B3x5r/2A1r01w4W6rotZmzOTFVqAm0hPTeYNpfdR1R51D1/P1x+x2F0wIM10BpCD hEX+Bbza0TR5Pfun11xpo+riIpNYb1Hy4kX5W0dyvXQ0Ntmmp12E2BzpRADcCOIX sjd77VXdDiB//uCiMFBLACJj+a0CxnLEPVF0y0DYkJhMsCAwEAAAMQMA4wDAYD VR0TBAUwAwEB/zANBgkghkiG9W0BAQsFAACCAgEAgXLuz8QSdL1IY4j0QNgHAih 0wbpwpSc9w835IT5p0Wgghwfc7S9d4CaRE1FaoypqL00wgkOVIvb72V30bb1RF0F 9tcE8/5bQRXuLSifVPqrZNNMDEMLY3QBVNz5pXE/EdwXJZV04Itzyf2j59+2W g80Iqsny8XuBVr3T7iQSOSIGKQN0ohwayRoIarIHTxW6vehXEzv0ZnhA67n0v3A +AMso+hAARXQxjPIhe4E2Yp1gbFAs9aFa0118jocf3FhSrtH51ITXX0MNCV2puC mGbLLF4cMzV/gW1W/21eXA19LEZx63E3QC4BgGHgIVUJLT757Aim94YFf8zb cDFm+dp8T/TQ0hzz9HgwrFFDN+jD/1D2W4jbQuJMn3B4tUZP3CHN0K5p125KHK6 hef9gW3DCkfM1KTR7hqPV42LpB51V51/7VUV3bjAAYNZAe1vaSt10KmV5Bp W33D81eK7F2qSXjskNQo2yfBDdkJQD1Es7UZ2r5AAJYF29cTNo0MNo2obqcfu4n +DvZzApUAnOXA6qxDfm3RAXw1GWFS/vxXYBbP4LFYa8WbS0zp0DUA4Eaivh50f Gw7geru/LuSv+HrnF02OMevM02uuQLPjxrGXIPy72QkPp1VW7aYM4XG6h54E+7Kv JMRA8jHywpNeoj5fNP8=	Replace Find in Files Mark Eind what : yh Replace with :	✓ Find ✓ Replace All Doc. C C Transparency	Next
■ signingCetficate (1).cer 2 ■ IIFGjCCAwKgAwIBAgIGGbBBMdb5MA0GCSqG5Ib3DQEBCwUAMEUxIDAeBgNVBAMMF12Nd2FyZ5BJ KDAtBVy1TRkdMT0JBTDELMAkGA1UEBhMCVVMwHhcNMTkwNjEwMTMyOTI1WhcNNjkwNjA3MTMyOTI1 RlhnRpdHkgTWFuYMd1cjBUMBIGA1UECgwLQVctU02HTE9CQUwxC2AVBgNVBAYTAJVTMIICIJANBgI gEApsCGY4Z105THEgJ4mLGL680eux53KSUstOTV1H7KCygaZVacnapY81Koy4NGABLU#+Nb1 yTzkCyvQu0Rq0HaTT/5JH/atuPaxvzVp5qToqiC1LcqKKKHeNUhABbvE3qGAZENVe4bmBA33 33+Fab4GgW/J3zpUmFgg52CRNHugDaSGmv7jdUVBuX26DFkE6gov+EDbamXU9xEyN0eClKjIES U3mkD2g2qZkvs0xni5aLrn8AAXThM751rg4TS1nyy5IXrW0q3NCyT+0033c24/N44oyutkpj FVQAM0hTr*Nhf4Rls5Di/H+x+2F0W108pCDhEx+BhzaTR5FTuni1kpo+ripThyDHy4Kx5 F7VXdDiF/vGLMFBLACJ/+a0CxnLEFVF0y0DYkJhMcCawEAAAMQMA4vbADVR0TBAU&AwREJ/2A1 QSdXL1Y4j0GMR4h1h0NbppsG9w33IT5DVG3hGry3S4CaFFaoypqL00wgK0V1v572V50b DEMLY3Tg8VN25bpXE/EdwxJZVG4Itzyf2j59+2Wg80Igsny8X2BVr3171QS0SIGKQN0ohmayRc1 0+hAARXQxFF1cbErf3CyTuVSbjANNZAE1va510K3VG3SDF17VXCBLF2GSXjstMNOZDUCM5LF4CHX/WYUN JLT75Aim94FT82bDFH49T7TQDE29f3%FSrvH51ITXX6NNOZDUCM5LF4CHX/W1V3 JLT75Aim94FT82bDFH49T7TQDE29f3%FSrvH51ITXX6NNOZDUCM5LF4CHX/W1V3 JLT75Aim94FT82bDFH49F7TQDE29f3%FSrvH51ITXX6NNOZDUCM5LF4CHX/W1V3 JLT75Aim94FT82bDFH49T7TQDE29f3%FSrvH51ITXX6NNOZDUCM5LF4CHX/W1V3 JLT75Aim94FT83bX16BF77CDE29f7U20E1F50BS0000HaFZg5J2g159k50g316KQ100hu723V50 DES1/VUUV35jAJNNZAE1va510KaV5B5M43BD1eK7F2g5XjstN00D1AF4E1V1/b50CM7DE7U202 DB100XA6x0FMCALF24V2VG41L52F2159+2KG43BD1eK7F2g5XjstN002FB04K07D12F3 D510X1/VUUV35jAJNNZAE1va510KaV5B5M43BD1eK7F2g5XjstN00D14F7U205 D510X367VUUV35jAJNNZAE1va510KAFFAFABAS00D104F41V/b50f007mC7UUV35jAANNZAE1VA510KAFFAFABAFANDAF74DF77C0D14F27023 D510X367VUUV35jAJNNZAE1VA510KAFFAFAFAFAFAFAFABAS0D0104F451V/b50f07mC7UUV35jAJNNZAE1VA510KAFFAFAFAFAFAFAFAFAFAFAFAFAFAFAFAFAFAFA	ZCVudG10=SBNYWShZZ Replace Find Replace Find in Files Mark Spint/CJTPQCRb:F2Q //aeoD13SWOH-Cdus I+M/1GbxcHK0JpkG/ //aeoD13SWOH-Cdus I+M/1GbxcHK0JpkG/ //aeoD13SWOH-Cdus I+M/1GbxChWSAQSFA DIRT0F50=D25/5DQRXu Match whole word only //21eXA1j6LEZx6323 //21eXA1j6LEZx632 //21eXA1j6LEZx632 //21eXA1j6LEZx632 //21eXA1j6LEZx632 //21eXA1j6	✓ ✓ ✓ In selection	Find Next Replace Replace All teplace All in Al Opened Documents Close nsparency

On the ControlCenter2 server and open the existing Powershell interface we were working with earlier (from the shortcut on your desktop). please copy, edit and paste the commands from the text file called powershell comands, located in your Software folder (linked in your control center desktop), in the \Applications\Azurefiles folder.

Extended (\n, \r, \t, \0, \x...)

Replace All: 27 occurrences were replaced

matches n

O Regular expression

O Normal

Run the following command:

Connect-MsolService

 In the Powershell Console type the following using your Cloudadmin credentials. The example we use is cloudadmin@ranmobojo.onmicrosoft.com and your password

. ADUANOXA6qxDfm3RAXw1GWFS/vwXYbBoPsLFYa8WhSOzp0DUA4Eaiv/hS0fGw7geru/LuSv+HrnF02OMEvMO2uuQLPjxrG 7aYM4XG6h54E+7KvJMRA8jHywpNeoj5fNP8=

Transparency

On losing focus

EndDate Usage	: 2/6/2020 10 : Verify	.0:11:31 AM			
		l	Enter Credentials	? ×	
PS C:\> Connect-Mso	lService		T III	A CAR	
		Please enter creden	itials		
		<u>U</u> ser name:	🕵 nmobojo.onmicroso	ft.com 🖌 🛄	
		Password:	•••••		
			ОК	Cancel	

4. Next we edit the following Powershell commands for our environment and include the certificate string as part of this command.

- 1. Edit the sample string by replacing any instance of **tokyo01** with the city and number from *YOUR CUSTOM Fully Qualified Domain name, i.e. london08*
- 2. Edit the sample string by replacing **aw-euclivefire.vidmpreview.com** with **YOUR CUSTOM SAAS Workspace ONE Access Tenant Fully Qualified Domain name**

example 1 is the string without the certificate | example 2 is the string with the certificate which you will have to append without introducing any hidden returns into Powershell

```
Set-MsolDomainAuthentication -DomainName tokyo01.euc-livefire.com -Authentication
Federated -IssuerUri "tokyo01.euc-livefire" -FederationBrandName "tokyo01Corp" -
PassiveLogOnUri "https://aw-euclivefire.vidmpreview.com/SAAS/API/1.0/POST/sso" -
ActiveLogOnUri "https://aw-euclivefire.vidmpreview.com/SAAS/auth/wsfed/active/logon" -
LogOffUri "https://login.microsoftonline.com/logout.srf" -MetadataExchangeUri
"https://aw-euclivefire.vidmpreview.com/SAAS/auth/wsfed/services/mex" -
SigningCertificate
```

```
Set-MsolDomainAuthentication -DomainName tokyo01.euc-livefire.com -Authentication

Federated -IssuerUri "tokyo01.euc-livefire" -FederationBrandName "tokyo01Corp" -

PassiveLogOnUri "https://aw-euclivefire.vidmpreview.com/SAAS/API/1.0/POST/sso" -

ActiveLogOnUri "https://aw-euclivefire.vidmpreview.com/SAAS/auth/wsfed/active/logon" -

LogOffUri "https://login.microsoftonline.com/logout.srf" -MetadataExchangeUri

"https://aw-euclivefire.vidmpreview.com/SAAS/auth/wsfed/services/mex" -

SigningCertificate

MILEIDCCAwigAwIBAGIGPBaJuppGMA0GCSgGSIb3D0EBCwUAMEgrIDAeBgNVBAMME1ZNd2EwZSBJZGVudG10eSBN
```

MIIFIDCCAwigAwIBAgIGPBaJynnGMA0GCSqGSIb3DQEBCwUAMEgxIDAeBgNVBAMMF1ZNd2FyZSBJZGVudG10eSBN YW5hZ2VyMRcwFQYDVQQKDA5BVy1FVUNMSVZFRk1SRTELMAkGA1UEBhMCVVMwHhcNMTkwMjA0MjEzMTAyWhcNMjkw MjAxMjEzMTAyWjBIMSAwHgYDVQQDDBdWTXdhcmUgSWRlbnRpdHkgTWFuYWdlcjEXMBUGA1UECgwOQVctRVVDTElW RUZJUkUxCzAJBgNVBAYTAlVTMIICIjANBgkqhkiG9w0BAQEFAAOCAg8AMIICCgKCAgEApWfE7UfEG9iupk538HEU rqfAKb5VlcnsGrQCz9+Hb1QrDba8vvPWNp+H3MhkZ1RZS43mvy+3JVFEuEsCIqHyRrKsJVIswPda2eQKW/ Y7jd3RHZFoxoqbvF4kOyJq5+k38xI/

8t801kv2ruYYHwUZ+SDJpWdxFqbrpcBAFac5IYj71PoPlOv9na+1Z7V8ddWQCrsNydKfndUPeBiUj389Xer0ckzH TcYjeGG82X9NHDXVsmbiMFrDnP0ZbMCD21CMOGyZ8wKFzbx3toStDuqyF6MbXv3tpVCnF/

sELJaJNxbfdoslNGfbyNWiv/UQ7h8XDOywqpzMZkZkch/Bl6Ny1cS3UDW6GYgYuJHkmRu9Pgqv/

98QpFueBrrR71+9WTLocSVxgbBCdyrgwVOHAJK1+yZOrYuiLIGcdJfhjczOaN/

8dJnzYspxgW9tIxZ2SmQQDTy9zscvad2rplOZFqj9MQbDUmdanr52ksQ85jboArLW9B5TVmxefDtoPMiK6GKsR/ Q+ygEplsyDT1S6eGzXaVB0QFGjjAFQ3c0w0QtZ0Q6+JJRk3K04X2F5arDRZKTCfEyzH8VYwaJ04BJBmlkPQs14IK zAhwR/cqBzKnSFUxbeqm5U/

YLeyaO03NKEYimHqoW7cEB9sPQnO7YUuZOG0KqHrC0S8dVt6dk5adfa0LECAwEAAaMQMA4wDAYDVR0TBAUwAwEB/ zANBgkqhkiG9w0BAQsFAAOCAgEAiadCYNp2OVfFIlD3I3iQhLCvmc1hVKMEzz1FJNEAMZ3JZgwBEYLHL7d8kiRjI 7c4hvZ62P2eQ2bC6z3lzqGVK8GNyUPGMKKgcFOgjJrK+roP4s740cbn4hQX3j3cOLCuQKQ2NkzwF0+5qGU26vOvl wnE8SONR40xgScW2Bu55E5NOQj+Tu45Pt2KYZpSv9ZP9KJj75AqwmfkynomDBYZXT4WbSft5HDt7VXkFS6OPz41i 32yqDTtHePLKbJ83LcXEETDVfyfigS1m1VWwcDp9sLfbqA4yEIoGFN05KMssH0kVeCFCjzCs06B1pVHoWYqqNOg0 gMU0vpX+gFcj7tHJk1hbHUcqQpnYs/

AJyL0pEroVZTBJS3UgK9vMEage9P+hoVqiX9g+Csd0GjRLEx1pkm3uFKt0su05UQ0E9PrYpOS74YbmuRFEUJ5R5P zxSAWErG/

SxPWNtGKzKdGjJzBmErOgShODflleURanuL18FDqBR7KXGOnNWDNk5GKVcB2LWqmmz6AmCkFee9oPju6hT+Y4M30 6mmP6dxjTILPUAddObZUUFhhX8fyjpTDUjTzKWdPaf5G4/

ISfSqa0CoCFaNGTeEhoR9NtjYlabENZMuD2OoVDacMQvRMN1IbtilDF9ISROG3jzVJDNtFvwkuRzUJ5QyUEAuBZ6 xpVEt/8Do=



5. We will now check the federation with the following command in the powershell

Get-MsolDomainFederationSettings -domainName tokyo01.euc-livefire.com

The settings will return output regarding the settings that make up this federation.

PS C:\> Get-MsolDomainFederationSettings	-domainName tokyo01.euc-livefire.com
ActiveLogOnUri :	<pre>https://aw-euclivefire.vidmpreview.com/SAAS/auth/w sfed/active/logon</pre>
DefaultInteractiveAuthenticationMethod :	
FederationBrandName :	Livefire
IssuerUri :	tokyo01.euc-livefire.com
LogOffUri :	https://login.microsoftonline.com/logout.srf
MetadataExchangeUri :	https://aw-euclivefire.vidmpreview.com/SAAS/auth/w sfed/services/mex
NextSigningCertificate :	
OpenIdConnectDiscoveryEndpoint :	
PassiveLogOnUri :	https://aw-euclivefire.vidmpreview.com/443/SAAS/AP I/1.0/POST/sso
SigningCertificate :	MIIFKDCCAxCgAwIBAgIGPBcCTXRSMA0GCSgGSIb3DQEBCwUAME
	wxIDAeBgNVBĂMMF1ZŇd2FyZSBJZGVudG10eSBNYW5hZ2VyMRsw
	GQYDVQQKDBJBVy1FVUNMSVZFRk1SRTpFTkMxCzAJBgNVBAYTA1
	VTMB4XDTE5MDIwNDIxMzEwNFoXDTI5MDIwMTIxMzEwNFowTDEg
	MB4GA1UEAwwXVk13YXJ1IE1kZW50aXR5IE1hbmFnZXIxGzAZBg
	NVBAoMEkFXLUVVQ0xJVkVGSVJF0kV0QzELMAkGA1UEBhMCVVMw
	ggIiMAOGCSqGSIb3DQEBAQUAA4ICDwAwggIKAoICAQCpYVvr3N
	U7cGmIVGdU9ut7xhK6MDTgU0/qs]toLBZ+kY7NrNXMKSXJ0LCK
	DR8L0/GSknchHGFRsBHndYnN64SbY4SI1KFXkjmgYmYumtk8j1
	G8waKCyZ7Nhrx+1Z6TqsEwJ9nn7rhPfSj9YCkyDWtF1+YE2zLL

Part 5: In this part, we will now start testing the federation to see and ensure it it working properly

- Login back to your office 365 Tenant with your office Admin account with this url https://admin.microsoft.com/Adminportal/Home?source=applauncher#/homepage and use your cloudadmin account
 - In the left-hand pane under Home, select Users > Active users. Notice that Marketing group Users 1 - 8 has been automatically provisioned with the unique suffix appended for the user principle name. Also notice that your users are Unlicensed. Select users 1-8
 - 2. Select the radio buttons next to User 1 to User 8. This is includes your Custom User
 - Next to Assign to group select the 3 dots which will expand the menu and select Manage product licenses
 - 4. In the Manage Product licenses window select Next
 - 5. On the **Replace existing products** window under **Location**, select a location ie United Kingdom.
 - Next to Microsoft E5 Developer (without Windows and Audio Conferencing), turn the slider bar to On
 - 7. Scroll down and select Replace select Close.
 - 8. **NB!** Validate that your **Cloudadmin** account is licensed as well. This will depend on whether you started off with a custom Outlook account or used another email in the beginning of the course labs. If not re-apply to the licensing to this account and then ensure that you can open the Cloudadmin mailbox. This requirement must be done before starting your OKTA lab.



- Open up an **Incognito** session of your browser and connect to your SAAS instance of Workspace ONE Access.
 - 1. On the login window ensure that on the select your domain window, **euc-livefire.com** is selected, select Next
 - 2. In the **username** section, use your custom **username ie user35scr** and the **password VMware1!** select **Sign in**



- In the Workspace ONE console
 - 1. Under **Apps** select **All Apps**
 - 2. Next Office 365 with Provisioning select Open
 - 3. You should now see the Microsoft Office365 console



Part 6: Inserting Office 365 Deep Links into Workspace ONE Access

Having a Portal to Portal single sign-on experience very rarely excites a customer. In this section we will insert Deep Links within Workspace ONE Access to enhance the user experience.

- 1. Inserting Office 365 Deep links
- On your Controlcenter server. Log in to your to your Workspace ONE Access Console as Admin and select the Catalog tab > Web Apps
 - 1. Select **NEW**
 - 2. In the New SaaS Application window under Name type Microsoft Word
 - 3. Under Icon, click on **browse**, search for the software link on your desktop, and navigate to \Applications\Azurefiles\icons. select your **Word.png** Icon and select **Open**. At the bottom right select **NEXT**
 - 4. On **2. Configuration** in the **Single Sign-On** section under **Authentication type** to the right select the **drop down** and then select **Web Application Link**

Vorkspace ONE Dashboard - Users & Groups Cotatog New EDIT Assign New SaaS Application	Identity & Acc DELETE CA
1 Definition 2 Configuration	Definition Search ()
3 Access Policies 4 Summary	Q or browse from catalog Name * Microsoft Word
New SaaS Application	
1 Definition 2 Configuration 3 Summary	Single Sign-On Authentication Type
	Target URL *

- 2. Inserting Office 365 Deep links (Part 5)
- Copy the URL below and edit in Notepad++ the following in Blue with your assigned domain suffix and then copy the edited URL and Paste under the Target URL
 - https://login.microsoftonline.com/ login.srf?wa=wsignin1.0&whr=EXAMPLEDOMAIN.euclivefire.com&wreply=https://office.live.com/start/Word.aspx?auth=2

Target URL *

https://login.microsoftonline.com/login.srf?wa=wsignin1.0&whr=lisbona35.euc-livefire.com&wreply

- 3. Inserting Office 365 Deep links (Part 5)
- Select NEXT > SAVE & ASSIGN
 - 1. Under Users / User Groups in the Search area type Mark, select Marketing@euclivefire.com
 - 2. Under **Deployment Type** select **Automatic** and select **SAVE**

CANCEL	ВАСК	SAVE & ASSIGN	SAVE
Selected App(s	s): Micros	oft Word	
Users / User Group	S		
Q Mark			_
Aarketing@e	uc-livefire.co	om	
Deployment Typ	e		
Automatic			
		CANCEL	SAVE

- 4. Inserting Office 365 Deep links (Part 5)
- Repeat the above steps for
 - 1. OneDrive
 - https://login.microsoftonline.com/login.srf?wa=wsignin1.0&whr=lisbonb35.euclivefire.com&wreply=https://zingaramanwell-my.sharepoint.com
 - Replace Lisbonb with your domain
 - Replace zingaramanwell with your unique Office 365 domain name. eg in this example the domain name is cloudadmin@zingaramanwell.onmicrosoft .com, zingaramanwell is the domain name
 - 2. **Excel**

• https://login.microsoftonline.com/login.srf?wa=wsignin1.0&whr=lisbonb35.euclivefire.com&wreply=https://www.office.com/launch/excel?auth=2&home=1

3. PowerPoint

 https://login.microsoftonline.com/login.srf?wa=wsignin1.0&whr=lisbonb35.euclivefire.com&wreply=https://www.office.com/launch/powerpoint?auth=2

4. Outlook

 https://login.microsoftonline.com/common/oauth2/ authorize?client_id=00000002-0000-0ff1-ce00-000000000000&response_mode=form_post& livefire.com

NEW EDIT ASSIGN DELETE CATEGORIES ~	MORE V SETTINGS
Application	Туре
C S AirWatch	SAML 2.0
AirWatch Provisioning	SAML 2.0
Excel	Web Application Link
Microsoft Word	Web Application Link
Office365 with Provisioning	WS-Fed
One Drive	Web Application Link
Powerpoint	Web Application Link

5. Inserting Office 365 Deep links (Part 5)

- The Office 365 application has been assigned to Marketing. It has to remain assigned to Marketing for the Deep links to work. However, we do not necessarily want this to be visible to the End-User. We will now solve this issue as part of a well thought out solution.
 - 1. In the **Catalog**, select the **Check-box** next to **Office365 with Provisioning**, select **EDIT**
 - 2. in the **Edit SaaS Application** window, select step **2 Configuration** and scroll down to the bottom. Change **Show in the User Portal** toggle from **Yes** to **No**
 - 3. Select NEXT > NEXT > NEXT > NEXT > SAVE

🛟 Workspace ONE [™]	
Dashboard - Users & Groups Catal	og 👻 Identi
	N DELETE
Application	
🗌 🍯 AirWatch	
AirWatch Provisionin	ng
Excel	
Microsoft Word	
Office365 with Provi	sioning
One Drive	
Edit SaaS Application	
1 Definition	Application Paramete
2 Configuration	Name [
3 Access Policies	tenant
4 Provisioning	issuer
5 User Provisioning	Advanced Properties 🐱
6 Group Provisioning	Open in VMware Browser 💿
7 Summary	No 🔵
	Setup Provisioning
	Yes 💽
	Please select Setup Provisionin-
	Show in User Portal

- 6. Inserting Office 365 Deep links (Part 5)
- Switch to a Browser in Incognito Mode . Using your Workspace ONE Access URL login as User1 with the password VMware1!
- Test your individual links for office 365

0	Apps	People	Notificatio	ns 2		
Categories		Q Search apps	3			
All Apps		+			+	
Websites Virtual		*	≁ ≁ Add yo	ur favorite ap	ps here for quick	ker access
		*	* *	co	94	* *
		New				
		X	w		P	*bamboo#k
		Excel :	Microsoft : Word	One Drive	Powerpoint	: BambooHR LisbonA35

- 7. Tidying up the Catalog in Workspace ONE Access for a better User Experience
 - Switch back to your **Workspace ONE Access Admin** Console and select the **Catalog** tab
 - In the Catalog next to Office 365 with Provisioning select the check box and then at the top select EDIT
 - 2. In the **Edit SaaS Application** wizard select **2 Configuration** and **scroll down** to the bottom,
 - Change the toggle under Show in User Portal from Yes to No and select NEXT > NEXT > SAVE
 - 4. Repeat the exact same process and validate that that the **AirWatch** and **AirWatch Provisioning** applications do not show in the User Portal

