



# Customer Windows 10 OOB E and Office 365 SSO - PoC Walk Through

A detailed guide, outlining how to configure AirWatch, vIDM and Azure to facilitate O365 SSO and Window 10 out of the box experience. This has been set out as a walk through, to present any readers a technical step by step guide to configure this themselves.

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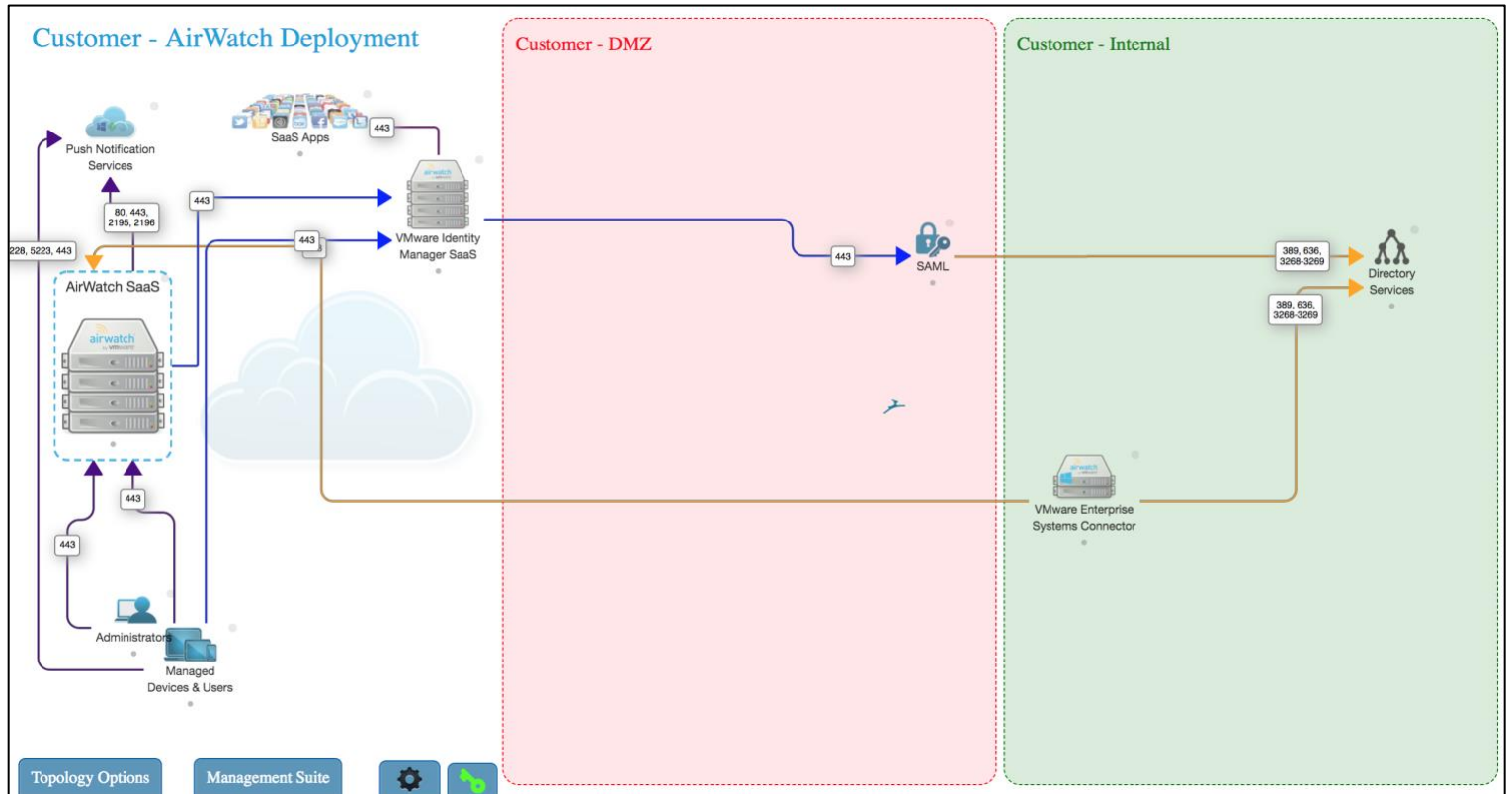
# Project Overview

## Project Description

- SSO into O365 tenant from iOS, Windows 10 and Mac device
- SSO into Salesforce (development trial),
- Link the AirWatch and WSONE together – unified catalogue
- Customer to provide some iOS, Mac and Win32 legacy apps – Office, AV, Disk encryption to deploy to Windows 10 devices
- Horizon app integration – full desktop and app presentation (for example Notepad, calculator)
- Demo the DEP, Autopilot deployment of iOS, Windows 10 and Mac devices

## Topology:

- To provide SSO from O365 we require, ACC/vIDM Connector and Azure Connect. Both installed on-premise.
- Workspace ONE will be integrated with AirWatch, leveraging device compliance and unified catalog.



## Approach

### Configuration steps for proposed topology

#### Pre-req's provided by Customer:

- 1 x On-Premise server with Directory Services
- 1 x On-Premise server for Vmware Enterprise System Connector installation (on-domain)
- 1 x Azure Premium Trial
- 1 x Customer owned DNS name, added to Azure with Name Servers updated
- 1 x On-Premise server for Azure connect application (Sync users to Azure Directory)
- 1 x Office 365 Trial

**\*\*All on-premise installations can be on the same server\*\***

### Technical configuration steps:

1. Confirm pre-req's are in place
2. Install and configure Enterprise System Connector on On-Premise domain joined server
3. Confirm domain User's/Group connection to AirWatch
4. Join AirWatch console to vIDM to Synchronise User's/Groups
5. Map objectGUID attribute and Sync
6. Confirm Users are within vIDM
7. Install Azure Connect client on On-Premise server to sync users to Azure
8. Install Azure Active Directory Module for PowerShell on On-Premise Server

## 2 - Download and Test Enterprise System Connector

- Login to AirWatch Environment
- Download Enterprise System Connector
- Install - ACC only
- Login to AirWatch Environment and test connection:

System > Enterprise Integration >


### VMware Enterprise Systems Connector ?

General Advanced

Current Setting  Inherit  Override

Enable VMware Enterprise Systems Connector   
Enables secure connection to enterprise components

Enable Auto Update   
Enabling Auto Update will seamlessly update the VMware Enterprise Systems Connector installed on your server after the corresponding AI... [Show More](#)

[Download VMware Enterprise Systems Connector Installer](#)   
For help with configuring, refer to the VMware Enterprise Systems Connector Guide

Child Permission \*  Inherit only  Override only  Inherit or Override

Save Test Connection **VMware Enterprise Systems Connector is active.**

## 3 - Configure Directory integration and User/Group Sync

- From AW - Navigate to System->Enterprise Integration->Directory Services Insert relevant information
- Test Connection, test user's/groups base DN is populated

### Directory Services ?

Server User Group

Current Setting  Inherit  Override

#### LDAP

Directory Type\*  ?

DNS SRV   ?

Server\*  ?

Encryption Type\*    ?

Port\*  ?

Protocol Version\*  ?

Use Service Account Credentials   ?

Bind Authentication Type\*       ?

Bind User Name  ?

Clear Bind Password  ?

Bind Password   ?

Domain  Server

Directory Services ⓘ

Server User **Group**

Current Setting  Inherit  Override

Domain ch-productions.co.uk Base DN\* DC=ch-productions,DC

User Object Class\* Person ⓘ

User Search Filter\* (&(objectCategory=Person)(sAMAccountName!=(EnrollmentUser))) ⓘ

▼ Advanced

Auto Merge  Enabled  Disabled

Automatically Sync Enabled Or Disabled User Status  Enabled  Disabled ⓘ

Value For Disabled Status 2 Flag Bit Match ⓘ

Enable Custom Attributes  Enabled  Disabled

Attribute	Mapping Value
Object Identifier	objectGUID ⓘ
User name	sAMAccountName ⓘ
Member Of	memberOf ⓘ

Make sure the 'objectGUID' is mapped

Directory Services ⓘ

Server User **Group**

Current Setting  Inherit  Override

Domain ch-productions.co.uk Base DN\* DC=ch-productions,DC

Group Object Class\* group ⓘ

Organizational Unit Object Class\* organizationalUnit ⓘ

▶ Advanced

Child Permission  Inherit  Override  Inherit or Override

Save Test Connection Start Setup Wizard

## 4 - Map ObjectGUID and Sync

Login to your vIDM console and make sure that the objectGUID user attribute is being synced:

Identity & Access Management->Setup->User Attribute

Make sure this is done before the AirWatch integration. User attributes cannot be changed after a directory has been added.

Workspace ONE™ Tenant Admin - CHODGE-EU2

Dashboard | Users & Groups | Catalog | Identity & Access Management | Roles

Connectors | Custom Branding | User Attributes | Auto Discovery | Terms of Use | AirWatch | Preferences Manage | Setup

Attribute	Required
disabled	<input type="checkbox"/>
distinguishedName	<input checked="" type="checkbox"/>
domain	<input type="checkbox"/>
email	<input checked="" type="checkbox"/>
employeeID	<input type="checkbox"/>
firstName	<input checked="" type="checkbox"/>
lastName	<input checked="" type="checkbox"/>
phone	<input type="checkbox"/>
userName	<input checked="" type="checkbox"/>
userPrincipalName	<input checked="" type="checkbox"/>

**Add other attributes to use** Add other attributes to sync to the directory. Go to the directory's attributes page to map these attributes.

Attributes:  +

✖ +

## 5 - Join AirWatch console to vIDM to Synchronise User's/Groups

VMware Identity Manager

Server

Admin User Name

Admin Password\*

Directory\*

Attribute	Mapping Value
ExternalId	Unknown
Password	Unknown
UserStore	Unknown
disabled	Status
distinguishedName	DistinguishedName
domain	Domain
email *	EmailAddress
employeeID	EmployeeIdentifier
firstName *	FirstName
lastName *	LastName
<b>objectGUID</b>	<b>UserObjectIdentifier</b>
phone	PrimaryTelephone
roles	Unknown
userName *	UserName
userPrincipalName *	UserPrincipalName

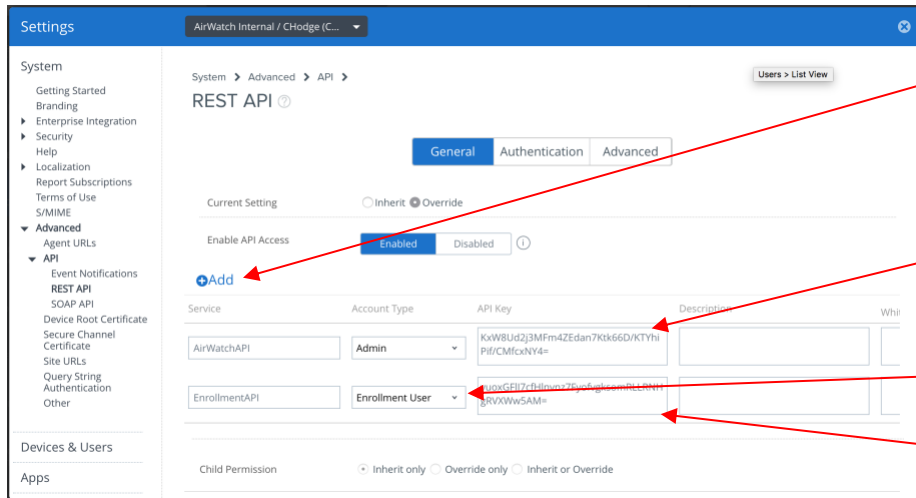
Mapping the ObjectGUID attribute is key here, this will be used to authenticate against Office 365

## 6 - Confirm Users are within vIDM

Wick,John	JWick	ch-productions.co.uk	ch-productions.co.uk	N/A	ALL USERS	Enabled
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## Enable AirWatch and VMware Identity Manager Integration

- Login to the AirWatch console - Navigate to *Groups and Settings->All Settings->System->Advanced->API->Rest API*



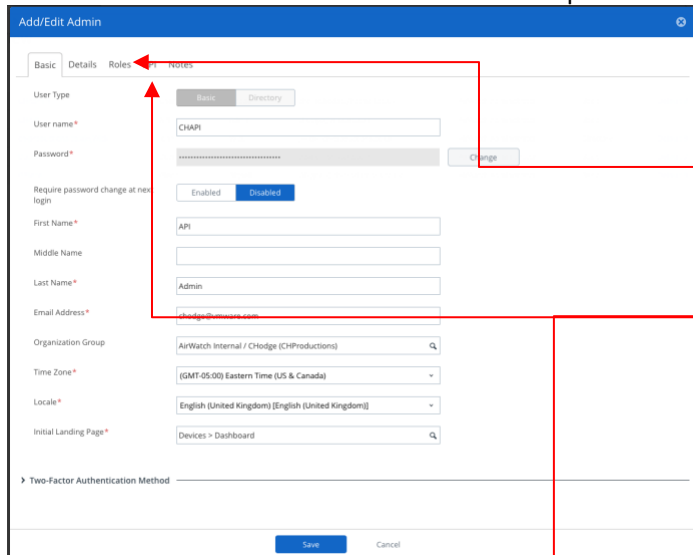
Click Add and create an API key. Set the Account type to Admin.

Copy the API key generated.

Click Add and create an API key names Identity Manager User. Set the account Type to Enrollment User.

Copy the API key.

Now we need to create an Admin account and export the account's certificate:

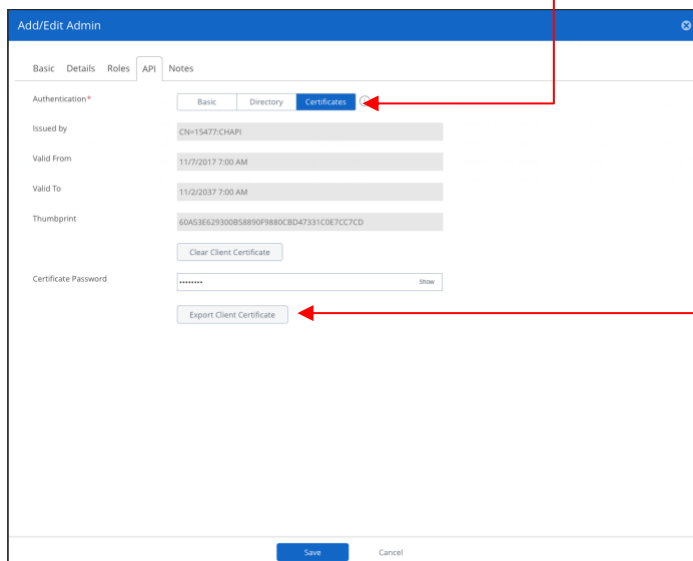


Within the AirWatch console, navigate to Accounts->Administrators and hit add.

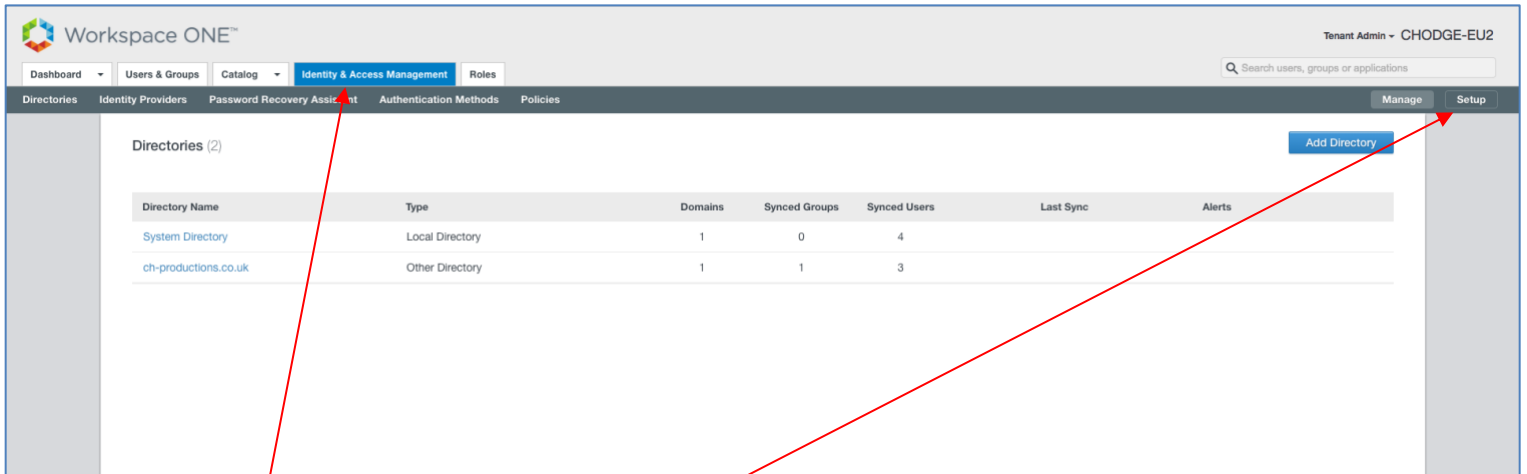
Create your Admin account and assign it a role that has API access ie Console Administrator

In the API tab change the authentication to certificates. Choose a password for the certificate, click save.

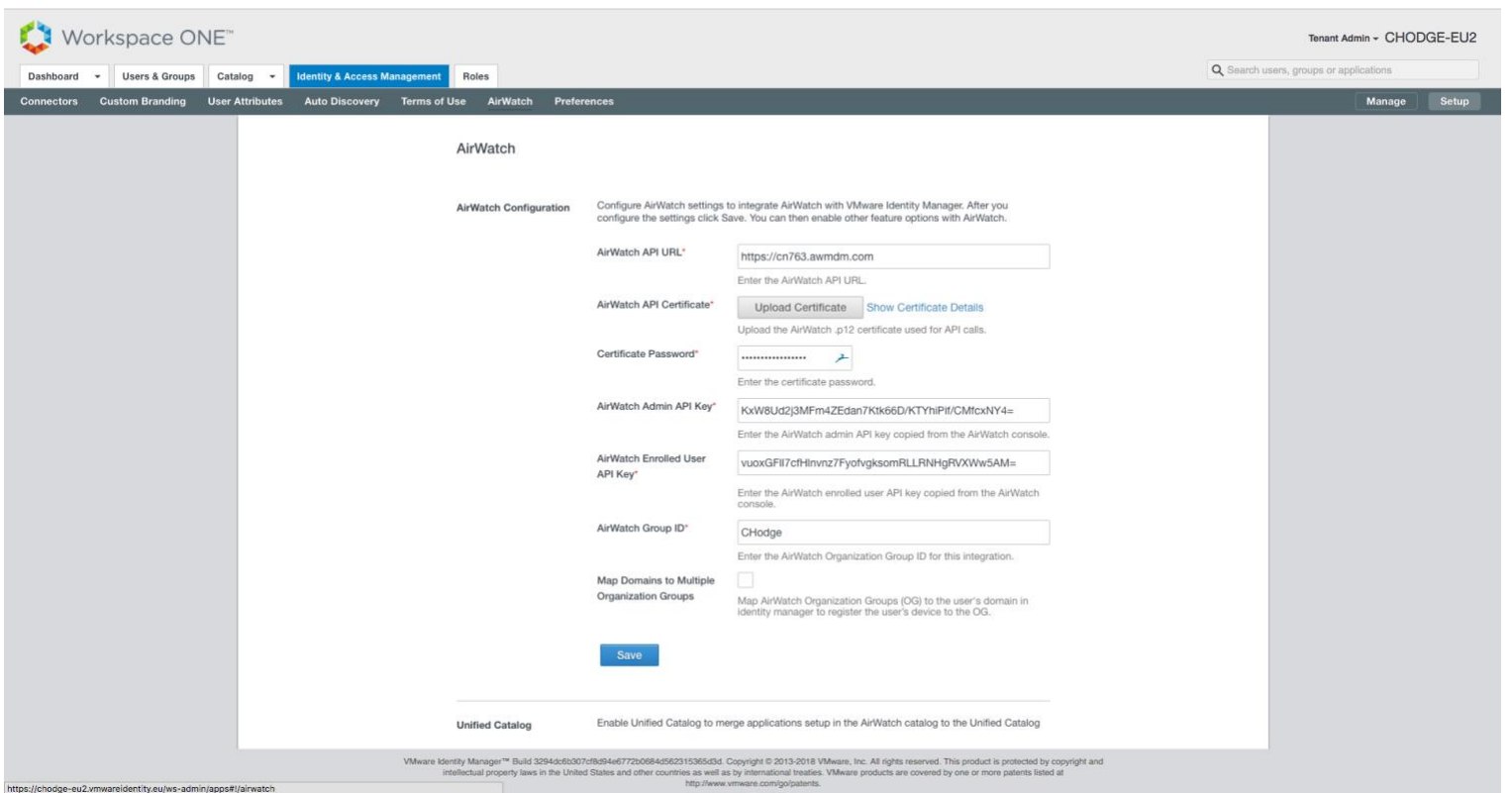
Now head back into the Admin account that you've just created and export the certificate that you just created.



Head back over to the vIDM console and import the AirWatch certificate and copy the Admin/Enrolled user API keys:



Click on 'Identity & Access Management' and 'Setup'



Under the 'AirWatch' option you have the ability to upload the information exported from AirWatch.



**AirWatch**

**AirWatch Configuration** Configure AirWatch settings to integrate AirWatch with VMware Identity Manager. After you configure the settings click Save. You can then enable other feature options with AirWatch.

**AirWatch API URL\***  Enter the AirWatch API URL.

**AirWatch API Certificate\***  [View Certificate Details](#)  
Upload the AirWatch .p12 certificate used for API calls.

**Certificate Password\***  Enter the certificate password.

**AirWatch Admin API Key\***  Enter the AirWatch admin API key copied from the AirWatch console.

**AirWatch Enrolled User API Key\***  Enter the AirWatch enrolled user API key copied from the AirWatch console.

**AirWatch Group ID\***  Enter the AirWatch Organization Group ID for this integration.

**Map Domains to Multiple Organization Groups**   
Map AirWatch Organization Groups (OG) to the user's domain in identity manager to register the user's device to the OG.

**Unified Catalog** Enable Unified Catalog to merge applications setup in the AirWatch catalog to the Unified Catalog

Add the URL of your AirWatch environment.

Upload the certificate you exported from AirWatch on page 7.

Copy the Admin API key created on page 7.

Copy the Enrolled user API key created on page 7.

Add the GroupID of your AirWatch environment.

After the integration is complete, scroll down and enable 'User Password Authentication through AirWatch':

**Unified Catalog** Enable Unified Catalog to merge applications setup in the AirWatch catalog to the Unified Catalog

Enable  Disable

---

**Compliance Check** Enable Compliance Check to verify that managed devices adhere to AirWatch compliance policies.

Enable  Disable

---

**User Password Authentication through AirWatch** Enable user password authentication through AirWatch.

Enable  Disable

---

**User External Access Token Authentication through AirWatch** Enable user external access token authentication through AirWatch.

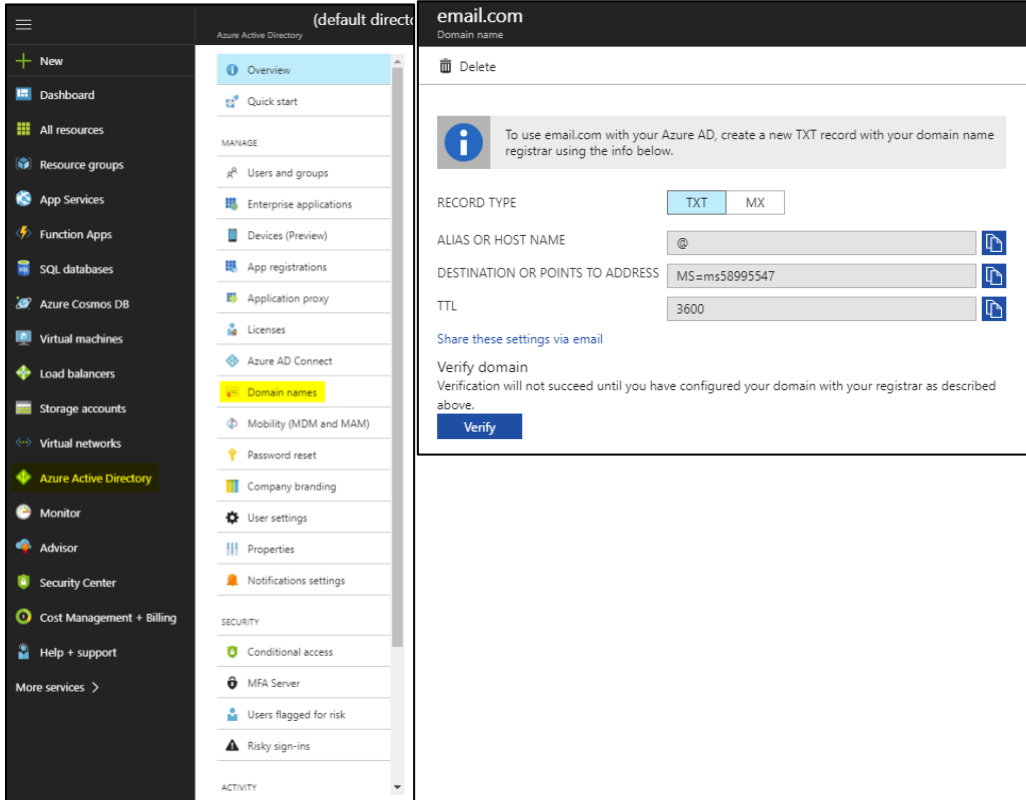
Enable  Disable

You will then need to update the Authentication Methods into vIDM to enable 'Password (AirWatch Connector)' and assign that authentication method to your domain.

## 7 - Install Azure Connect client on On-Premise server to sync users to Azure

Pre-reqs:

- Azure Premium with custom domain names added.
- DNS Name servers updated.
- Domain must be verified.



Download the Azure Connect Client to the On-Premise Server and install as AD global administrator:

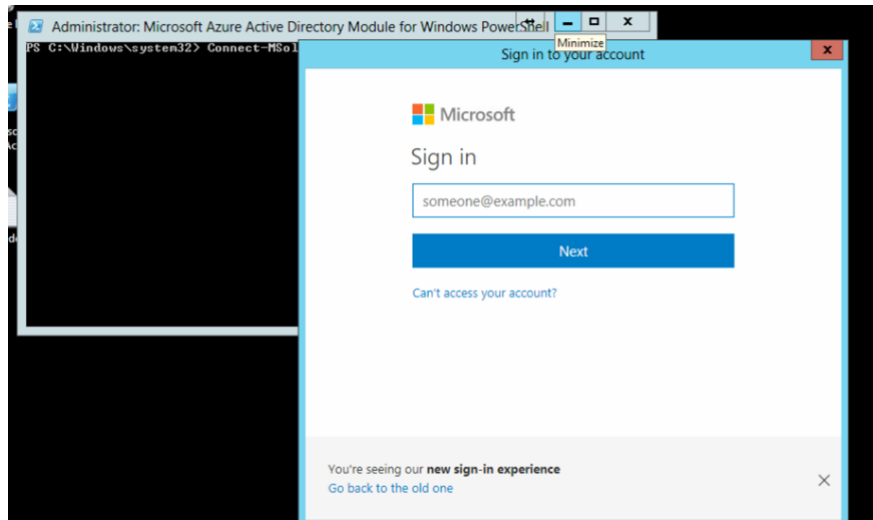
<https://download.microsoft.com/download/B/0/0/B00291D0-5A83-4DE7-86F5-980BC00DE05A/AzureADConnect.msi>

This will then sync all users in the specified AD OU into Azure:



## 8 - Install Azure Active Directory Module for Powershell on On-Premise Server

- Install Microsoft Azure Active Directory Module: <https://docs.microsoft.com/en-us/powershell/azure/install-azurerem-ps?view=azurermps-5.6.0>
- Open Microsoft Azure Active Directory Module.
- Connect to your Azure by running the following: `Connect-AzureRmAccount`



## 9 - Configure Office 365 application within vIDM

<a href="#">Edit</a> <a href="#">Assign</a> <a href="#">Delete</a> <a href="#">Copy</a> <a href="#">Export</a>	
Name	Office365
Description	Office 365 federated login that allows organizations to federate to Office 365 Portal using VMware Identity Manager as Identity P...
Icon	
Categories	—
Signing Certificate	—
Launch URL	<a href="https://chodge-eu2.vmwareidentity.eu:443/SAAS/API/1.0/GET/apps/launch/app/b30ec050-10a5-43...">https://chodge-eu2.vmwareidentity.eu:443/SAAS/API/1.0/GET/apps/launch/app/b30ec050-10a5-43... Copy URL</a>
<b>Configuration - Single Sign-On</b>	
Authentication Type	WSFed 1.2
Target URL	—
Single Sign-On URL	<a href="https://login.microsoftonline.com/login.srf">https://login.microsoftonline.com/login.srf</a> <a href="#">Copy URL</a>
Application ID	urn:federation:MicrosoftOnline <a href="#">Copy URL</a>
Username Format	Unspecified
Username Value	\$(user.userName)
<a href="#">Advanced Properties</a> ▾	
<b>Configuration - Access Policies</b>	
Access Policy	default_access_policy_set
VMware Browser	No

This is to get the application within Workspace One ready for the federation process. After the app is setup, we will then head back to the on-premise server and run the federation commands.

Edit SaaS Application

- Definition
- Configuration**
- Access Policies
- Provisioning
- User Provisioning
- Group Provisioning
- Summary

**Single Sign-On URL**

**Application ID**

**Username Format**

**Username Value**

**Application Parameters**

Name	Description	Default Value	Value
tenant	Office 365 Domain		ch-productions.co.uk
issuer	Office 365 issuer URI		workspace.ch-productio

[Advanced Properties](#) ▾

[Cancel](#)
[Prev](#)
[Next](#)

**Single Sign- On URL:** Office Login URL (This is filled in by default)

**Tenant:** Your registered Office365 Domain

**Issuer** = unique identifier. Can be anything if not used by someone else in O365.



## Navigate back to the On-Premise Machine with Azure Powershell Installed (Step 8)

Use the following as a template:

Below are the variables of the powershell script.

Attribute	Variable Syntax	Example
-DomainName	Email.Domain.com	This domain needs to be registered inside of Azure, it has to be a secondary domain name such as email.com NOT email.onmicrosoft.com To register the domain name, if not already in place -
-IssuerUri	Identity.domain.com	This is the FQDN of the Identity Manager service domain. identity.domain.com
-FederationBrandName	Arbitrary_Name	This is an Alias – MyIdentity, or Company_Name will suffice.
-PassiveLogOnUri	Hostname:port/excess	<a href="https://identity.domain.com/SAAS/API/1.0/POST/sso">https://identity.domain.com/SAAS/API/1.0/POST/sso</a>
-ActiveLogOnUri	Hostname:port/excess	<a href="https://identity.domain.com/SAAS/auth/wsfed/activelogon">https://identity.domain.com/SAAS/auth/wsfed/activelogon</a>
-LogOffUri	Hostname:port/excess	<a href="https://login.microsoftonline.com/logout.srf">https://login.microsoftonline.com/logout.srf</a>
-MetadataExchangeUri	Hostname:port/excess	<a href="https://identity.domain.com/SAAS/auth/wsfed/services/mex">https://identity.domain.com/SAAS/auth/wsfed/services/mex</a>
-SigningCertificate	SAML Singing Cert from IDM	Exclude the text “----- BEGIN CERTIFICATE-----” and “-----END CERTIFICATE-----” Also remove any line breaks. Should just read - aXpvbiBTQU1MIFNlbGYtU2lnbmVkie

### Template Scripts:

#### Script 1:

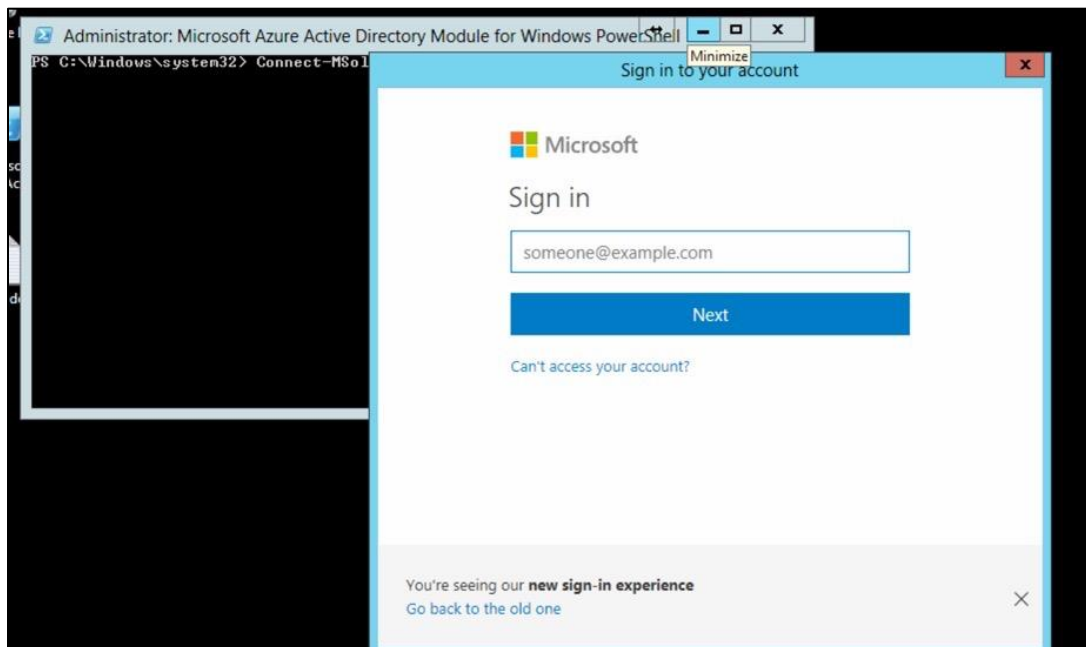
```
Set-MSolDomainAuthentication -DomainName < O365 registered Domain > -Authentication Federated -IssuerUri
"<serviceportal.customer>" -FederationBrandName "<Customer.com>" -PassiveLogOnUri "https://<
mycompany.vmwareidentity.com >/SAAS/API/1.0/POST/sso" -ActiveLogOnUri "https://< mycompany.vmwareidentity.com
>/SAAS/auth/wsfed/activelogon" -LogOffUri "https://login.microsoftonline.com/logout.srf"
```

#### Script 2:

```
Set-MSolDomainFederationSettings -DomainName < O365 registered Domain > -MetadataExchangeUri "https://
mycompany.vmwareidentity.com SAAS/auth/wsfed/services/mex" -SigningCertificate < X509Certificate >
```

1 - Connect to your Azure using the Azure Powershell by running the following: Connect-MSolService

This will bring up a login box. Use your Azure admin account eg. [admin@chproductions.onmicrosoft.com](mailto:admin@chproductions.onmicrosoft.com)



2 - Customize the above template to match your environment. Here's mine:

**CH-productions Script 1 - This is setting the variables for federated access into O365:**

```
Set-MsolDomainAuthentication -DomainName ch-productions.co.uk -Authentication Federated -IssuerUri workspace.ch-productions -PassiveLogOnUri "https://chodge-eu2.vmwareidentity.eu/SAAS/API/1.0/POST/sso" -ActiveLogOnUri "https://chodge-eu2.vmwareidentity.eu/SAAS/auth/wsfed/activelogon" -LogOffUri "https://login.microsoftonline.com/logout.srf"
```

**CH-productions Script 2 - This command is to check the federation settings and should return nothing. This means the domain is not yet federated which is good:**

```
Get-MsolDomainFederationSettings -DomainName ch-productions.co.uk
```

**CH-productions Script 3 - This is to change the federation settings and apply the signing certificate exported from Workspace One (above):**

```
Set-MsolDomainFederationSettings -DomainName ch-productions.co.uk -MetadataExchangeUri https://chodge-eu2.vmwareidentity.eu/SAAS/auth/wsfed/services/mex -SigningCertificate  
MIIFDCCAvygAwIBAgIGGeld0w6MA0GCSqGSIb3DQEBCwUAMEIxD AeBgNVBAMMF1ZNd2FyZSBJZGVudGlo eSBNYW5hZ2V yMREwDwYDV  
QQKDAhEWVNPTkRFVjELMAKGA1UEBhMCVVMwHhcNMTcxMjEwMDAwMDMyWjEwMTAwMDMyWjBCMSAwHgYDVQQDDBdW  
TXdhcmUgSWRlbnRpdHkgTWFuYWRlcjERMA8GA1UECgwIRFITT05ERVYxCzAJBgNVBAYTAiVTMIICjANBgkqhkiG9w0BAQEFAAOCAg8AMIICGg  
KCAgEApQFJT7I0cGi+Hxb9tfVlyXPIHwnGqpoQrfWyi07k9+vIJK86kdHDVrfl3Nv1T5Vbjgs73p/sqEvmJ9171GayZbaikSBrjAJC2/gS n9ScIPaikqBm  
SGRWUYUEZ3NVQ2kV54iP3EoS45ypt54nKoS2jz82Gz5xPwun2FdnqAAh8M2+qJ+PhOWqF0rtAMxWB6JoDqGJyRz39gAeORbUXC/4E6gBRjcl  
uiUftLPJxz6VX+bAQTDtAXYQ7WdN/BQV4jjF6iGfggnw9U18UsTDpx4/DhU8zdfpNQ9aCs jzSKBXElKuleNsCX0fLpgiL2WJ2h6CGV/WxhQ5Pq7nh  
TyloxlD46E3+tRRsRAJlRMhOkUzck/XdfVDOFZWY+7eL5r85YeVAsR1BCLzHFaz+RKB0Mlv/20MSMbWOGMySlnhS/WTbBioJ7gwNgabAT8uS  
aLIMVKdfyjQtsjHqIx+6qrH/D98ekRWwMMgdX4ycf5jgCpf3HRFjuAhKDWnfJl31PVDHeHj41bWmXCwXRa4cy rPzfGoFxo0CkVbUls5za9pyovtaSI  
rBfludNtDDiPwQZNiUQF3B5tGCA2tFmVqelem9ltnX06CuDKra7rIDMwThDuINB0hKDQCn6yV3+bePQCxl+S3t9QhAhGPlnM48rV7xxJaJuXk7oa  
nzjY27JwdpMCAwEAAAMQMA4wDAYDVROTBAUwAwEB/zANBgkqhkiG9w0BAQsFAAOCAgEAUu4yf/4/3e7JGK/cAh2xFiojx1jeQyTBZhdT67Ai  
culpwpdjDmJNF4Ga6nK1kGmXHEzKqYT/Ej5sphCzAU0NfRVrQeHy/ZrvbJirK8EcrAzE3yL/VQ/gl0KDF9q/0MojSkZuyABBiDe0kCzuTh3uz1W1qxJ  
Seh187Ts1liF8en89uQvvJpxJ+9nfBTS3aokLirZnsJpvT2Ps1CaryOa5RLMa/3SCTpdkdmTQ2Qrr8lwjRnXZoBeMvwdlmNE8QuOokFa2Xp2hsnCLU  
G6gLc1qciaE44XjRnI4VIH/dUVX0000/XWHtcDFmiNYJzWbFngZf1enxmaiOjx3D1jBas2iS/MLAynqniyJnxli7JeLnCe/BHfHm/9N77co7JwvN  
1MF3jDku5d7cFWr9DRZ7cL6s+C5Y/TZHWEtZ6099AXmtzER3TixtpePA5yxjJiL6BHZb7qxBjZlw78mPclfMZ/+vU6ggwXw/Onk4lnVH75XhAwto  
KnEEixc/1eSyBmBjI/p/qVW44wE8GPXgdc/m9tt5ld5uc4Nlb7MlXnStCmt4nQsJDY6gVWA4q2i13VqEQZPeidpZO4/U8IXVeIebMCbJd34L/eFQ/2  
zS3Fwav7s3Opvp9eEdadlcR2J+i3JVo+KHSTPRzj9c8U6cGSDH2W/Oxhnm4b7oGJTYf/86c=
```

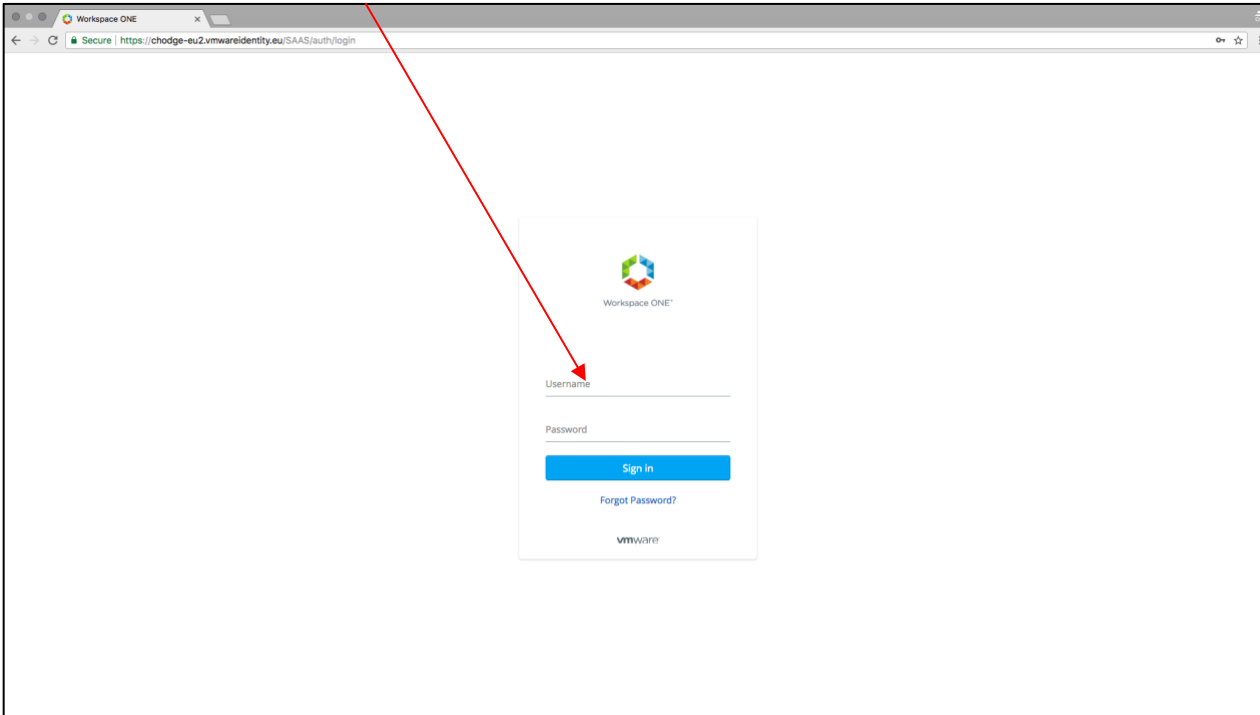
**CH-productions Script 4 - This is to double check that the domain is now federated:**

```
Get-MsolDomainFederationSettings -DomainName ch-productions.co.uk
```

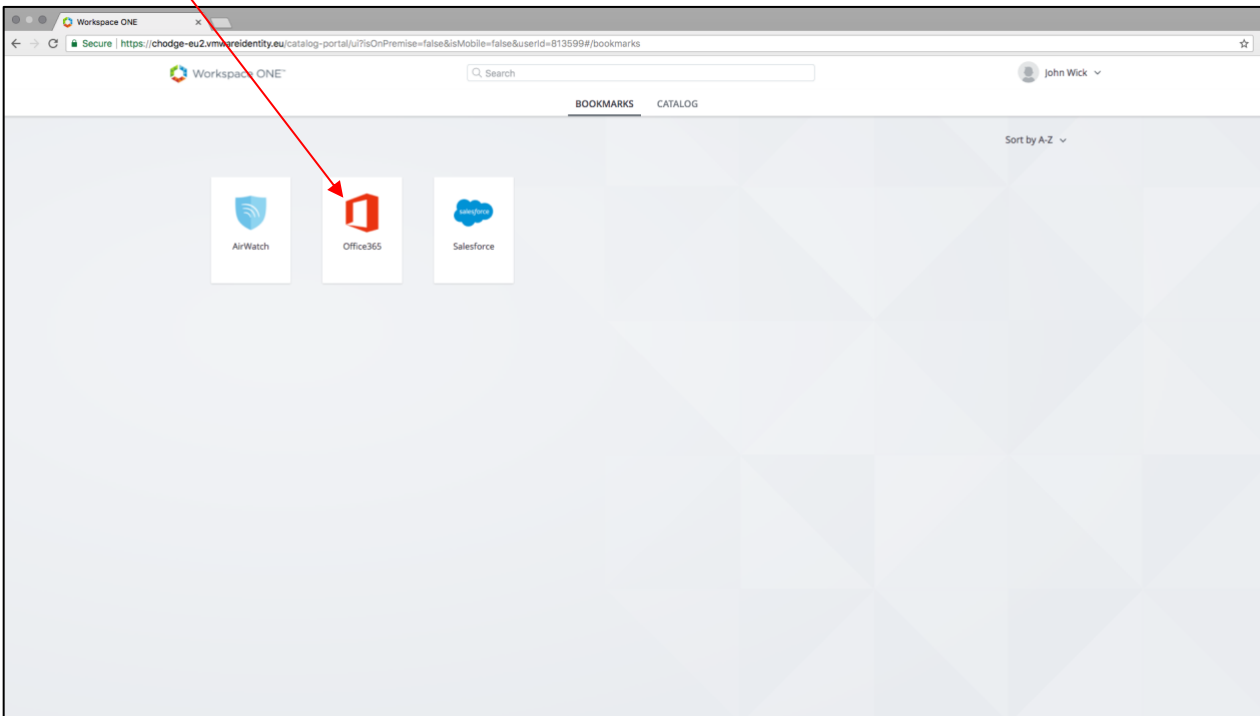
## 11 - Test The Federation

Test 1 - vIDM workflow:

- Navigate to Workspace One URL - <https://chodge-eu2.vmwareidentity.eu>
- Login with domain credentials (Test user - JWick)

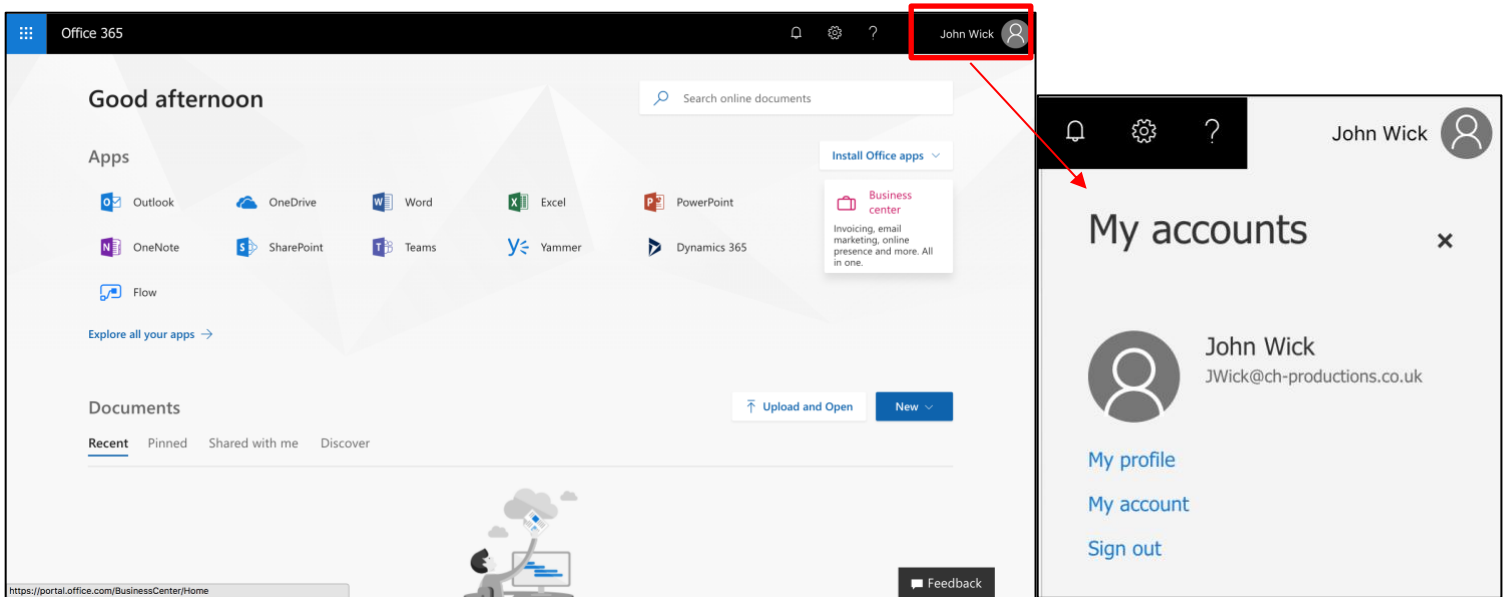


Click on the Office365 app that we setup in step 9 - If this does not appear, make sure that the entitlements are set correctly:



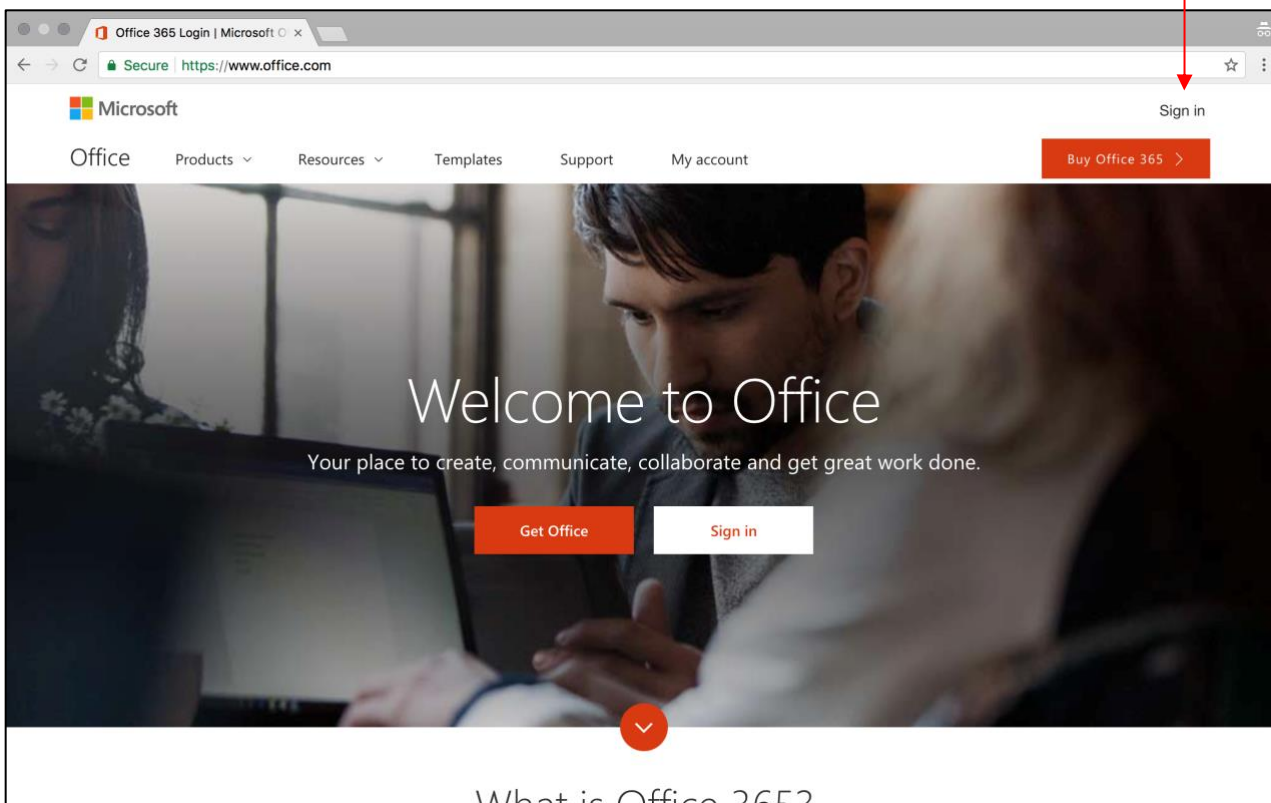
This should then open a new tab, point you to the correct office URL and log you in - The below screen shows that we've been pointed to the office website, our information has been passed and we've been logged in! Result!:



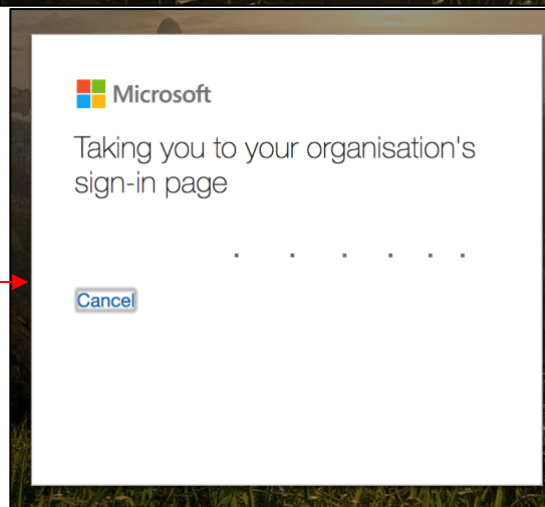
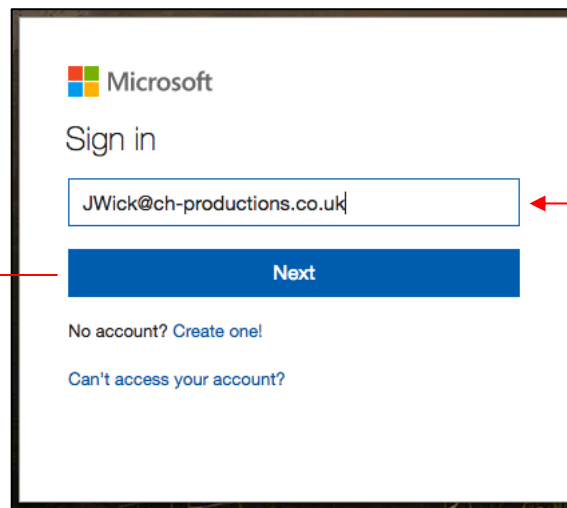
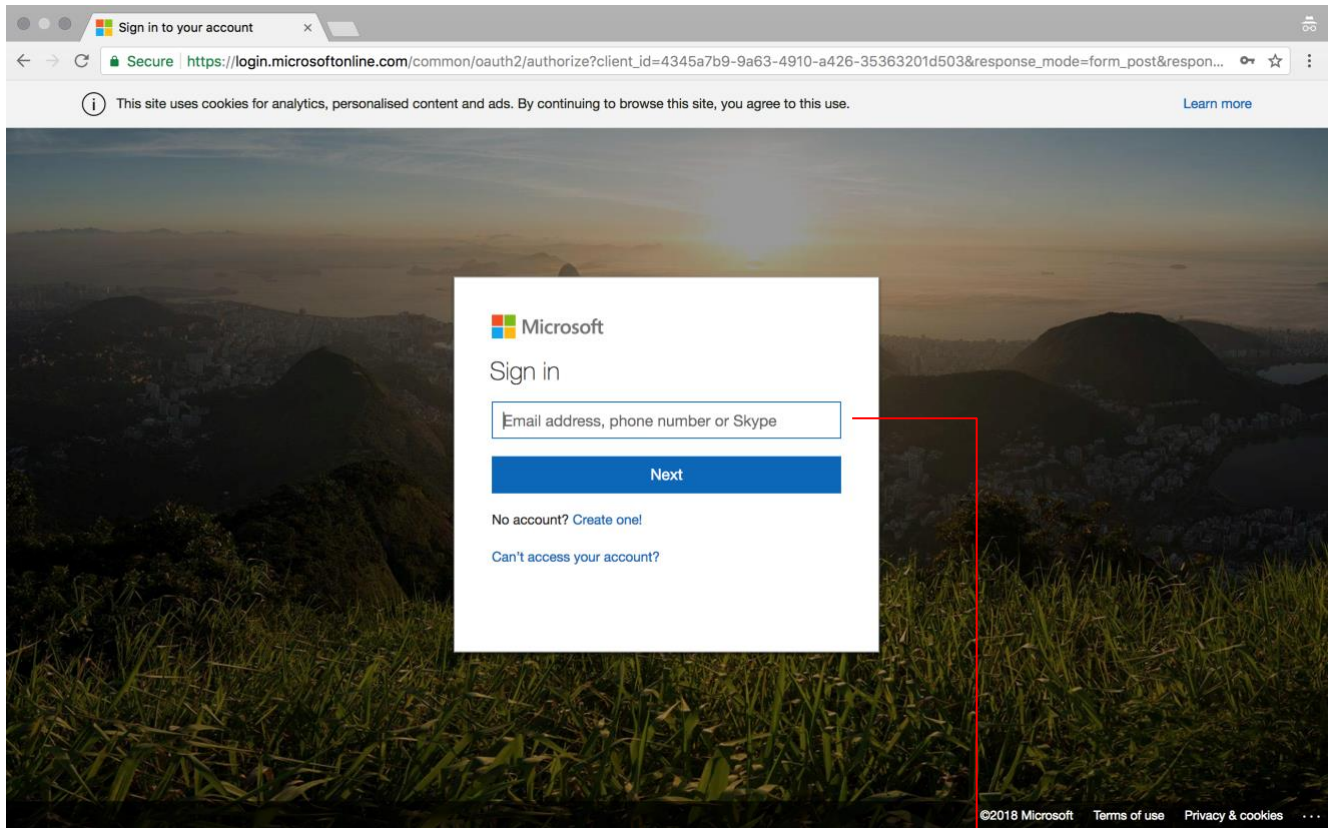


Test 2 - Check federation from the office website:

- Navigate to the office website.
- Click the 'Sign In' button
- Input the user's credentials (Modern.User2)
- Office should then be logged in








Workspace ONE

Secure <https://chodge-eu2.vmwareidentity.eu/SAAS/API/1.0/POST/sso?client-request-id=075e6015-5a70-45c4-b4bc-2896316eba7f&wa=wsigin1.0&wtrealm=ur...>



Workspace ONE™

Username

Password

[Sign in](#)

[Forgot Password?](#)

vmware

Microsoft Office Home

Secure <https://www.office.com/?auth=2>

Office 365 John Wick

## Good afternoon

Search online documents

[Install Office apps](#)

**Apps**

- Outlook
- OneDrive
- Word
- Excel
- PowerPoint
- Business center  
Invoicing, email marketing, online presence and more. All in one.
- OneNote
- SharePoint
- Teams
- Yammer
- Dynamics 365
- Flow

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[Feedback](#)

## 12 - Configure SAML integration between vIDM and AirWatch

1. Login to the WS1 portal as Admin
2. Add AirWatch as an application
3. Configure the application:
  - AWSerName – ds763.awmdm.com
  - Ac – CHodge
  - Audience - AirWatch

New SaaS Application

1 Definition

2 Configuration

3 Access Policies

4 Summary

Definition

Search

Q AirWatch

AirWatch  
AirWatch Mobile Device Management

AirWatch Admin

Description

Icon

Cancel Next

Edit SaaS Application

Definition

Configuration

Access Policies

Summary

Username Value

\$(user.userName)

Relay State URL

Application Parameters

Name	Description	Default Value	Value
AWSerName	AirWatch Server Name w		ds763.awmdm.com
ac	Group ID		CHodge
audience	Service Provider (AirWate		AirWatch

Advanced Properties

Open in VMware Browser

No

Cancel Prev Next

Edit SaaS Application

Definition

Configuration

Access Policies

Summary

Access Policies

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.

default\_access\_policy\_set

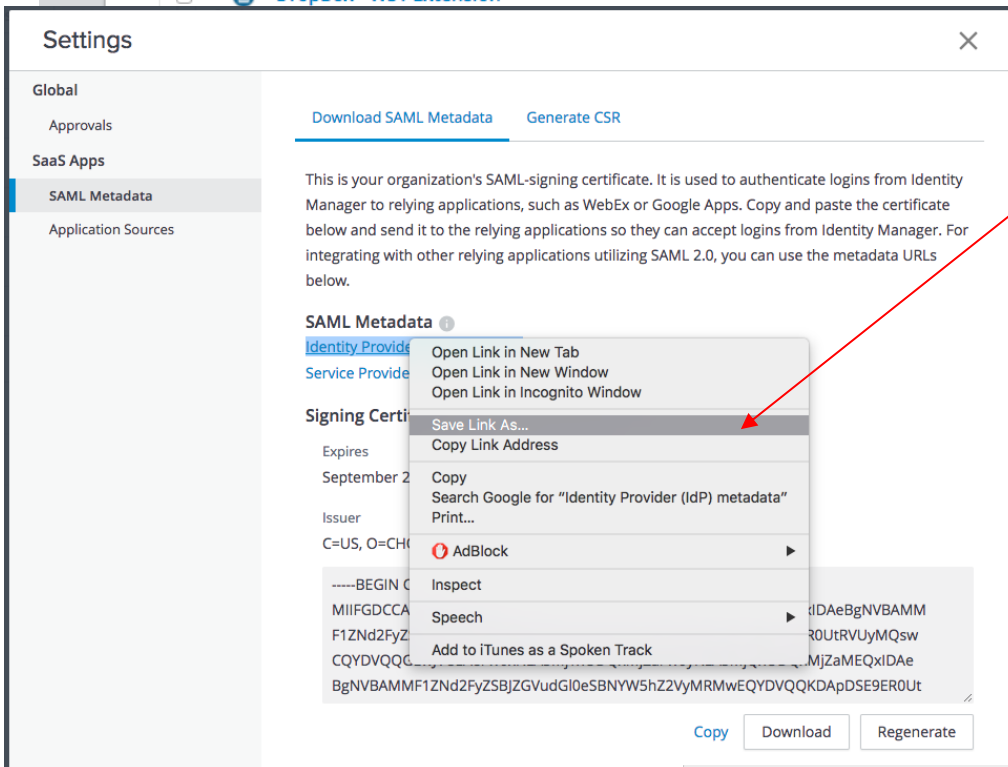
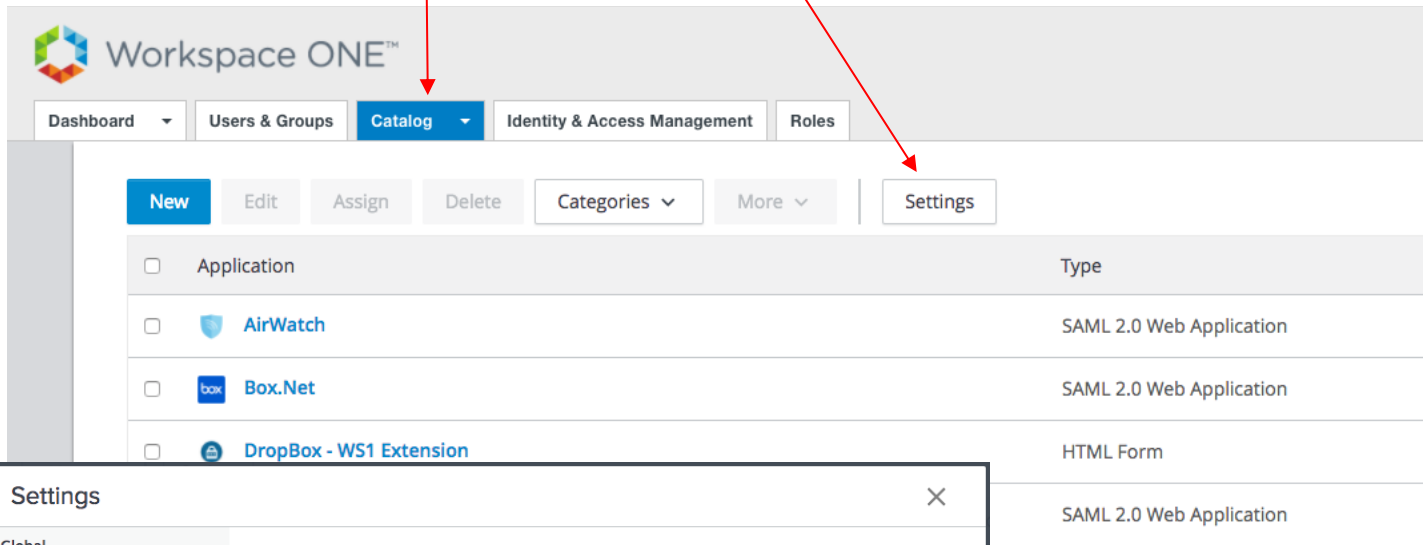
Cancel Prev Next

Hit next – This will bring you to the access policies page. Leave this as default, this can be customised later if required.

Hit next again – This will bring you to the summary page.

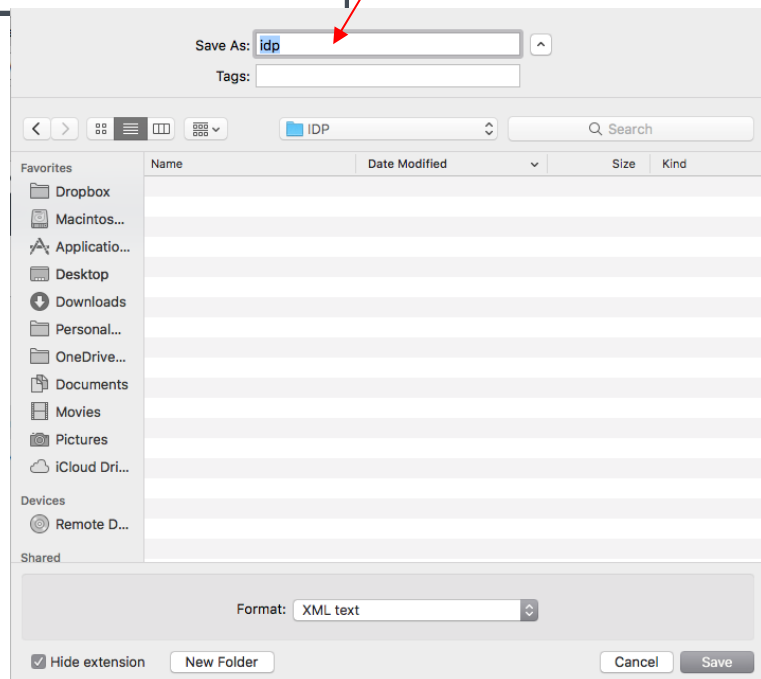
Save & Assign – Assign the application as you see fit.

- 4 - Now we need to export the WorkspaceOne/vIDM ipd metafile so we can upload it into the AirWatch console.
- Within vIDM, navigate to Catalog->Web Apps and click Settings



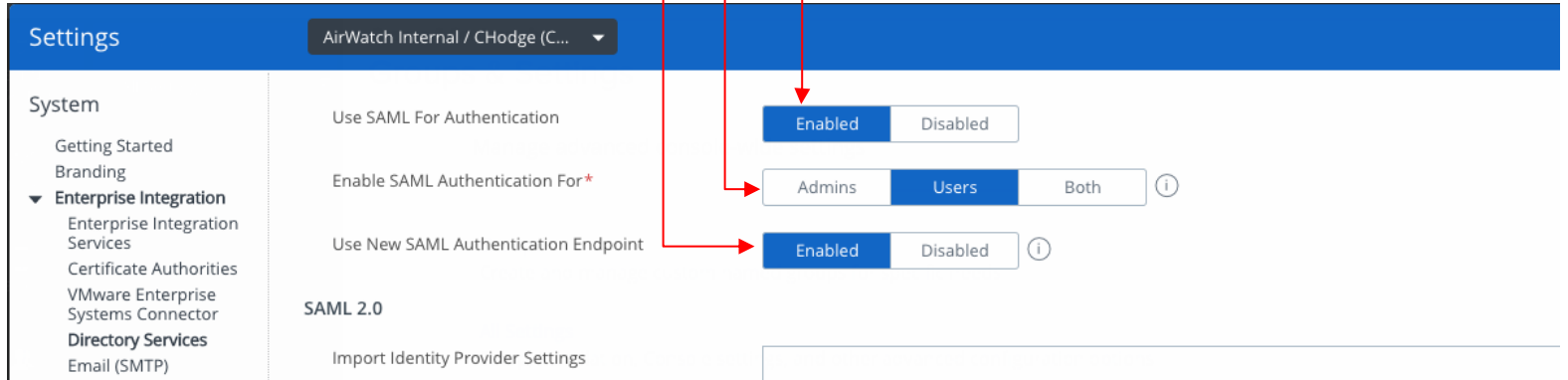
Right-click on the IdP and click 'Save Link As...'

Save the file as 'XML text' named idp.

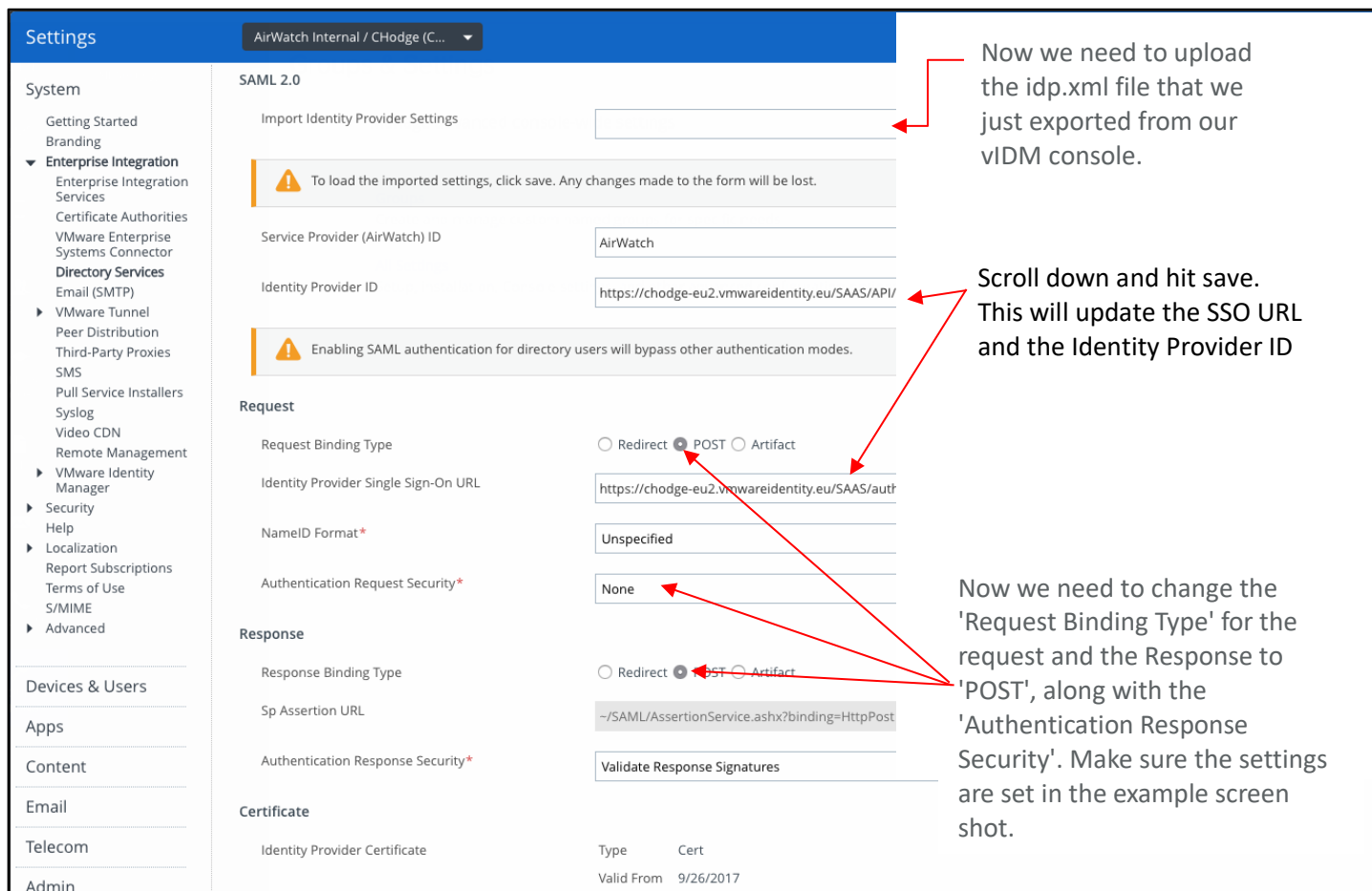


5 - Head back to the AirWatch console and navigate to the Directory services settings and scroll down to the SAML 2.0 settings:

- Enable 'Use SAML for Authentication'
- Choose who you want to 'use SAML authentication for'
- 'Use New SAML Authentication Endpoint'

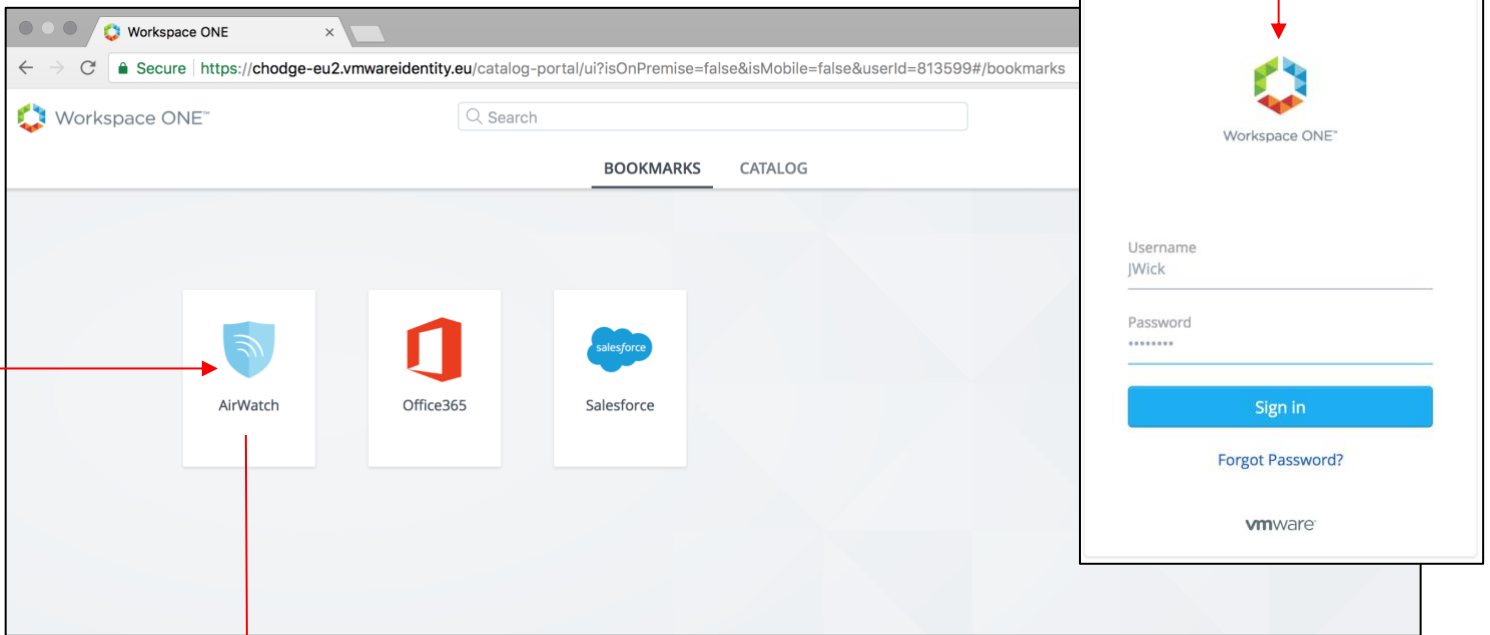


6 - Now we need to configure the SAML authentication.

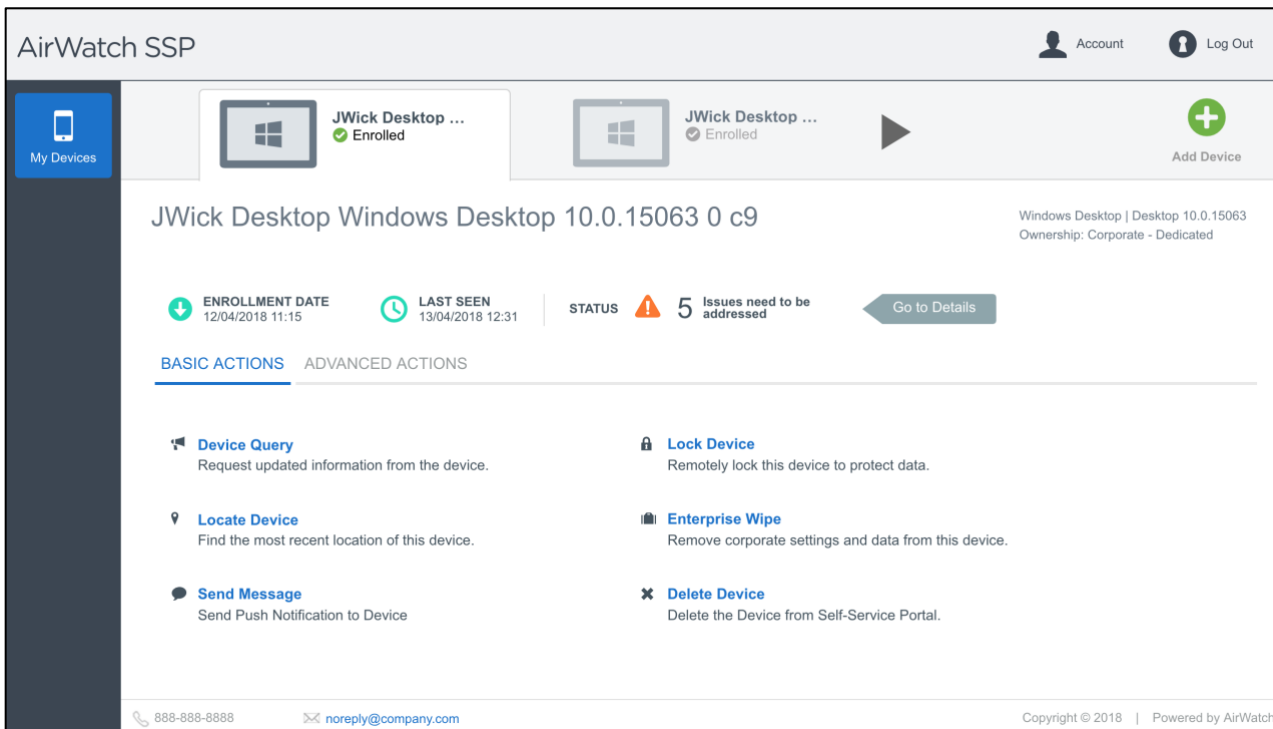


## Testing the AirWatch SAML authentication:

- Login to Workspace One as your test user
- Click on the AirWatch Web App
- This should now login to AirWatch SSP - *This will only work if the user is in vIDM and AirWatch*

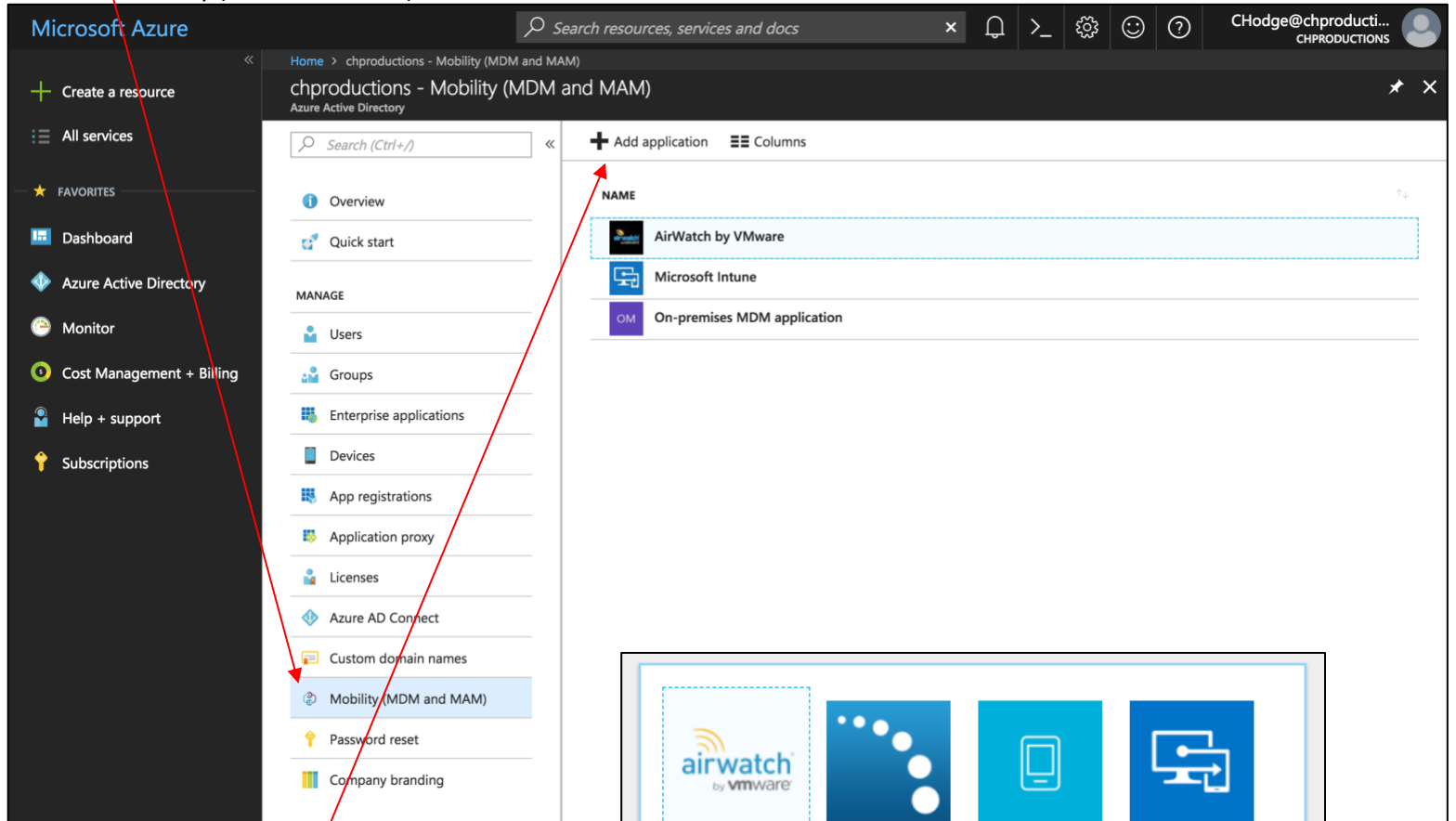


This should open a new tab and login to AirWatch SSP.

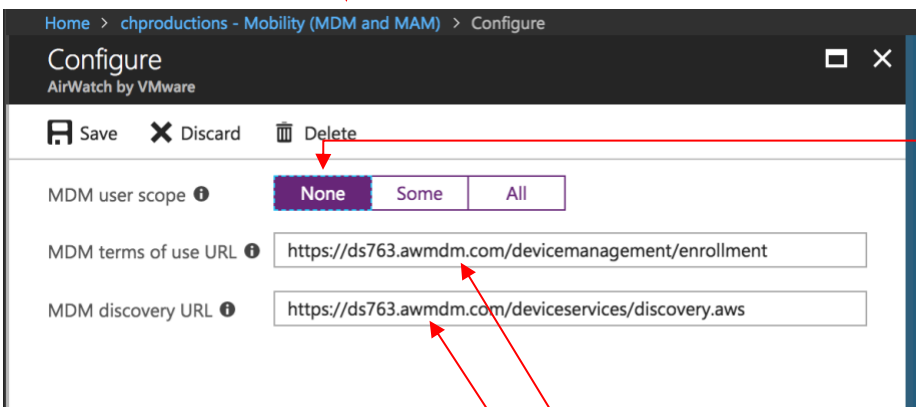
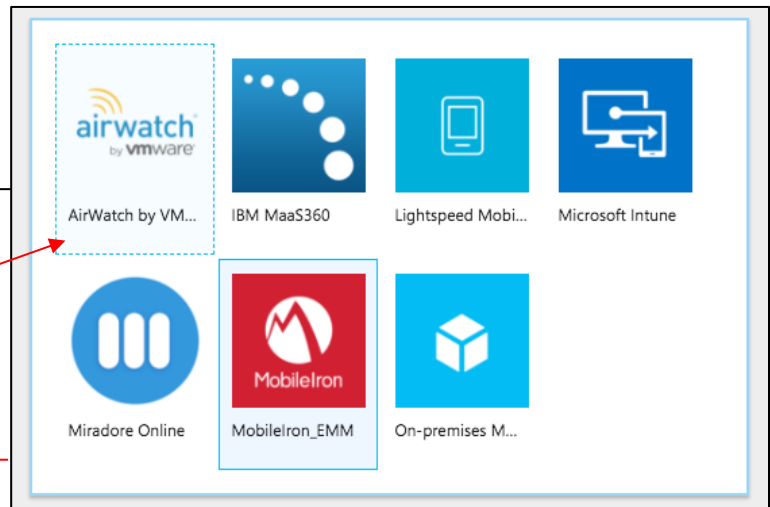


# 13 - Install AirWatch by VMware enterprise application into Azure (Windows OOBE)

- 1 - Login to the Azure Portal: <https://portal.azure.com>
- 2 - Navigate to Azure Active Directory
- 3 - Select 'Mobility (MDM and MAM)'



- 4 - Click 'Add Application' - The following screen will be presented.
- 5 - Select 'AirWatch by VMware'



If a customer is hosted on a DSaaS or on premise, we will need to add another MDM application as well, so that we can point to the custom URL. Due to the custom URL we can leave the original 'AirWatch' Azure application MDM user scope to 'None'. Hit save and add another MDM application:



Settings | AirWatch Internal / CHodge (C...)

System

Getting Started  
Branding

Enterprise Integration  
Enterprise Integration Services  
Certificate Authorities  
VMware Enterprise Systems Connector  
Directory Services  
Email (SMTP)

VMware Tunnel  
Peer Distribution  
Third-Party Proxies  
SMS  
Pull Service Installers  
Syslog  
Video CDN  
Remote Management

VMware Identity Manager

Security  
Help  
Localization  
Report Subscriptions  
Terms of Use  
S/MIME  
Advanced

Devices & Users

Apps

Azure Active Directory

add the AirWatch by VMware application to your AAD tenant from the Azure Marketplace.

1) Navigate to the AirWatch by VMware application in the Azure Marketplace

Start Setup Wizard

2) Follow the instructions in the Azure Marketplace to add the AirWatch by VMware application to your directory

3) Configure the AirWatch by VMware application with the URLs below.

MDM Enrollment URL:

MDM Terms of Use URL:

Where in AAD do I paste this info?

4) Enter your Azure Active Directory Tenant ID. Tenant ID can be found in the URL of your AAD instance.

Directory ID\*:

Tenant Name\*:

How To Obtain Tenant Info

Immutable ID Mapping Attribute\*:

Mapping Attribute Data Type\*:

Home > chproductions - Mobility (MDM and MAM)

chproductions - Mobility (MDM and MAM)  
Azure Active Directory

Search (Ctrl+/)

Overview  
Quick start

MANAGE  
Users

+ Add application Columns

NAME
AirWatch by VMware
Microsoft Intune
On-premises MDM application

AirWatch by VM...	IBM MaaS360	Lightspeed Mobi...	Microsoft Intune
Miradore Online	MobileIron MobileIron_EMM	On-premises M...	

This time, choose 'On-Premise MDM Application'. Now we will need to configure the Application:

You can name the application whatever you want and upload a new Logo is required. Click 'Add' to setup the application. Now you will have another application in your list of MDM application within Azure:

Home > chproductions - Mobility (MDM and MAM) > Add an application > On-premises MDM application

Add an application

AirWatch by VM...	IBM MaaS360	Lightspeed Mobi...	Microsoft Intune
Miradore Online	MobileIron MobileIron_EMM	On-premises M...	

On-premises MDM appli...  
Add app

Microsoft Corporation

Use Microsoft Azure AD to enable user access to On-premises MDM application.  
Requires an existing On-premises MDM application subscription.

Name:

Publisher: Microsoft Corporation

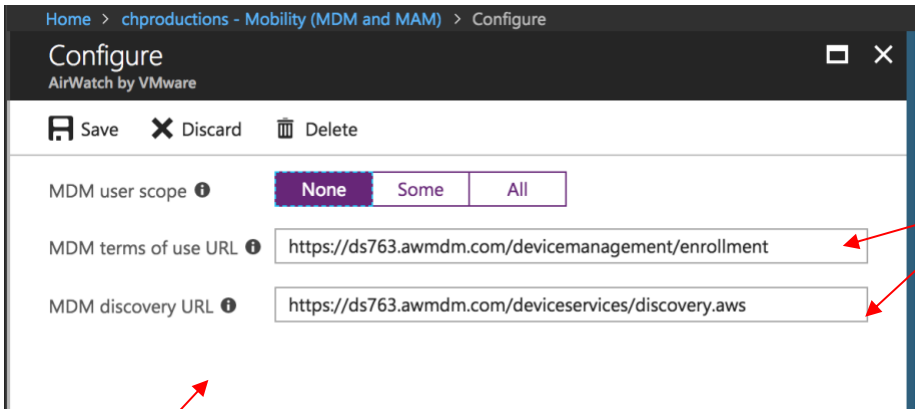
URL:

Logo:

+ Add application

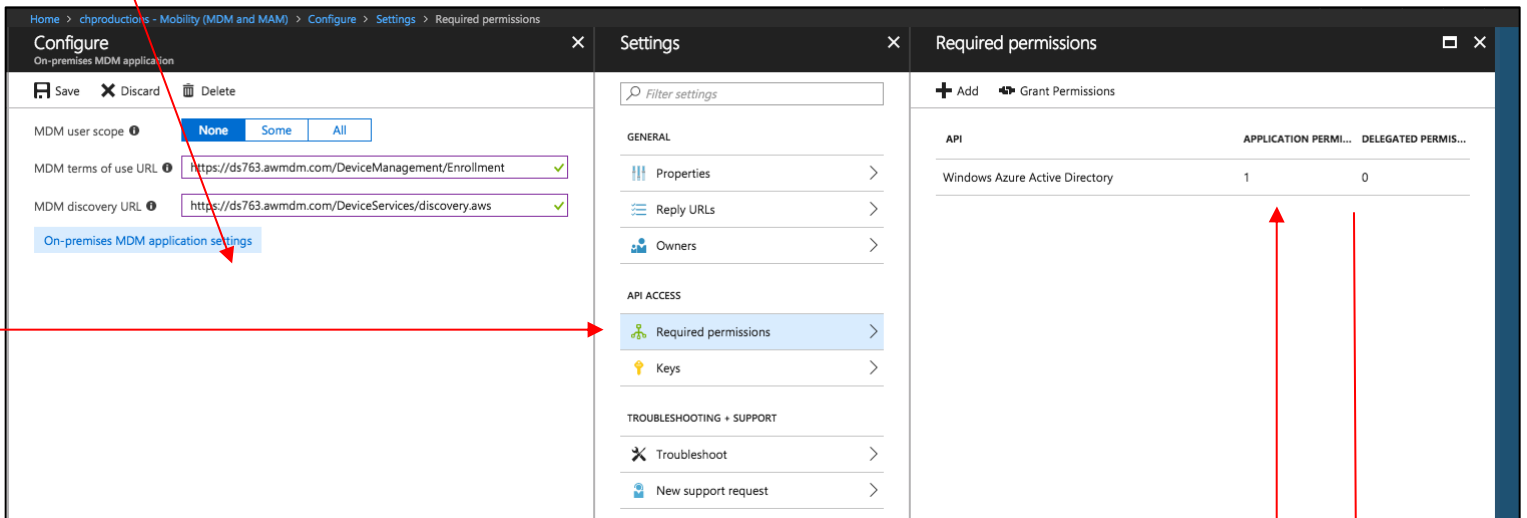
NAME
On-premises MDM application
AirWatch by VMware
Microsoft Intune





This application will have the same MDM terms of use and discovery URLs

We now need to configure the application.

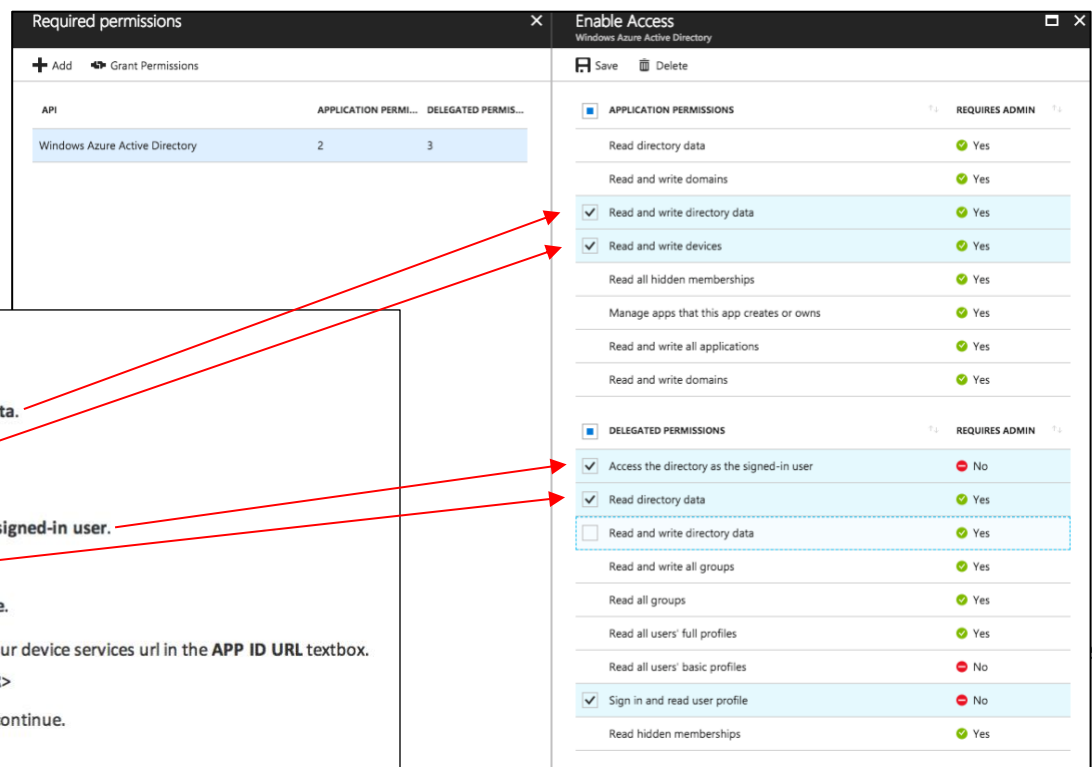


As the AirWatch Desktop Platform Guide States - We need to change the permissions of this application.

<https://resources.air-watch.com/view/664yvcl3g7tm5jzxf6y/en>

- Click on 'Required Permissions'
- Click on 'Windows Azure Active Directory'

Make sure the permissions of the application are set the same as the Windows Desktop Platform guide states.



9. Change the Permissions as follows:

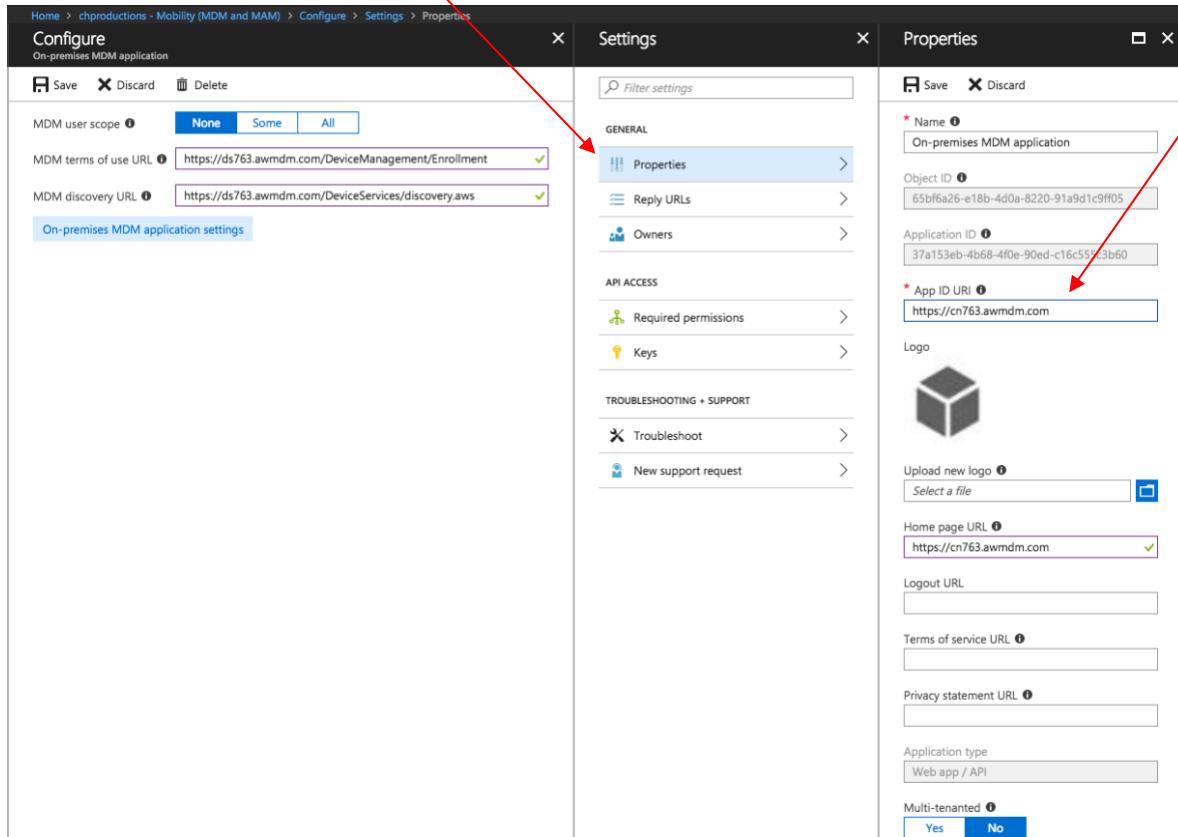
- Application Permissions
  - Select **Read and write directory data**.
  - Select **Read and write devices**.
- Delegated Permissions
  - Select **Access the directory as the signed-in user**.
  - Select **Read directory data**.
  - Select **Sign in and read user profile**.

10. Set the **Single-sign on** settings and enter your device services url in the **APP ID URL** textbox.

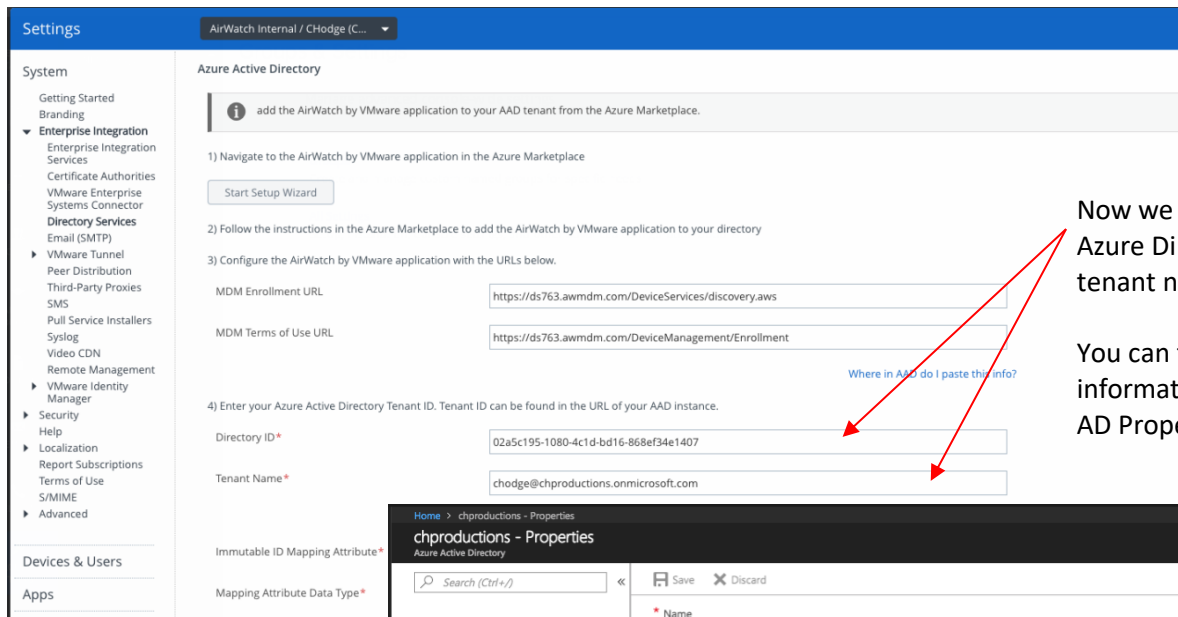
Example format: `https:// <MDM DS SERVER>`

11. Set **MDM user scope** to **All**. Select **Save** to continue.

Save the permission changes and head back to the properties of the application. This is where you add the App ID mentioned above.



Now we just need to update our settings within the AirWatch console to match what we have in Azure and we should be able to enroll a Windows 10 device out of the box.



Now we need to fill in the Azure Directory ID and the tenant name.

You can find the tenant information from the Azure AD Properties (see below)

