# Workspace ONE Access and Workspace ONE UEM Integration

## Part 1: Workspace ONE UEM integration with Workspace ONE Access

In this section we will do the Workspace ONE UEM side of the configuration.

- 1. Switch back to the Workspace ONE UEM Admin console.
- Be sure to make these settings at the company organisation group, then navigate to Groups and Settings > All Settings > System > Enterprise Integration> VMware Identity Manager > Configuration
- 2. Click **CONFIGURE** under **Server** settings
- 3. Click **CONTINUE**

On the Connect to VMware Identity Manager window enter the following:

- 1. **Tenant URL**: **Your Tenant** eg. <u>https://aw-euclivefiret3rn.vidmpreview.com</u>
- 2. User Name: Your Tenant Admin account
- 3. Password: Your Tenant Password

Select **TEST CONNECTION** to ensure Tenant configuration has been entered successfully.

4. Select **SAVE** and close the settings window

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1. Click "Use Autogenerated API KEY"

2. In the **Certificate** section, next to **Certificate Provisioning** click **ENABLE** - we will use this certificate later for Single-Sign-On with Windows 10

3. Now click **EXPORT** - we will use this certificate in a later exercise. leave this window open for the next part.

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# Part 1B. Creating a custom REST API Account

- We will configure this REST API Account in preparation for Part 2 of this Lab
  - 1. If you closed the settings windows in the previous part navigate in the Workspace ONE UEM Admin Console to **Groups & Settings** > **All Settings**
  - 2. Under System select Advanced
  - 3. Under **Advanced** select **API**
  - 4. Under API select REST API

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- 2. Part 1B. continued..
  - Creating a custom REST API Account
    - 1. Under **REST API** under **General** next to **Current Setting** select the **Override radio button**. Next to **ENABLE API Access** ensure that **ENABLED** is selected.
    - 2. You will notice an **AirWatchAPI Admin** is automatically generated. **Copy the API Token and save to a text editor**
    - 3. Select **SAVE**
    - 4. After the settings have been save successfully select the X in the right corner to close the window

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### Part 2: Configuring the AirWatch Provisioning Adaptor in Workspace ONE Access for Workspace ONE UEM

#### 1. AirWatch Provisioning Adaptor

- This first section will be done in the **Workspace ONE Access** SaaS console
  - 1. In the Admin Console select the Catalog tab and select NEW
  - 2. On the **New Saas Application**, next to section **1.Definition** under **search** type **AirWa** and you should see **Airwatch Provisioning**. Select **AirWatch Provisioning**
  - 3. Select Next



- 2. AirWatch Provisioning Adaptor
- In the NEW Saas Application wizard continued...
  - 1. In Section **2.Configuration** ensure the following is configured:-
    - Under Username Format ensure Unspecified is selected, Under Username Value ensure \${user.userName} is selected and click NEXT
  - 2. In Section **3. Access Policies** accept the default and select **NEXT**
  - 3. In Section 4.Summary select SAVE

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- 3. AirWatch Provisioning Adaptor
  - Under the Catalog tab
    - 1. select the check box next to Airwatch Provisioning and select EDIT
    - 2. In the Edit Saas Application wizard in the left pane select 2 Configuration
    - 3. In the Configuration section **scroll down**, expand **Advanced Properties** and change **Setup Provisioning toggle** from **No** to **Yes**

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- 4. AirWatch Provisioning Adaptor
- In this section we will continue in the Workspace ONE Access console
  - 1. In the Edit Saas Application wizard select section 4 Provisioning
  - 2. In the middle pane under **Airwatch Host** type : https://cn-livefire.awmdm.com
    - Under Admin Username type your custom Workspace ONE UEM Admin account
      - Under Admin Password type your the custom Admin password (should be VMware1!)

1 Definition	https://cn-livefire.awmdm.com
2 Configuration	Admin Username *
3 Access Policies	Admin Password *
4 Provisioning	•••••

- 5. AirWatch Provisioning Adaptor
- In this section we will continue in the Workspace ONE Access console

- 1. Launch your **text editor** where you have documented your Identity Manager admin Token and **copy the admin token**
- 2. Switch back to your VIDM Edit Saas Application wizard and under AirWatch API Key paste the token
- 3. Switch back to your **Workspace ONE UEM** console, at the top of the Workspace ONE UEM Console you will see your Organization Name, Expand your Organization Name and copy your Group ID
- 4. Switch back to your **VIDM Edit Saas Application** wizard
  - Under AirWatch Group ID type YOUR Group ID
  - Scroll down and under Enable Provisioning change the toggle from No to Yes
  - Above Enable Provisioning select TEST CONNECTION, you should notice a Connection to Airwatch Succesful message
- 5. At the bottom of the VIDM Edit Saas Application wizard select NEXT

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#### 6. AirWatch Provisioning Adaptor

- In this section you will continue with the VIDM Edit Saas Application wizard
  - 1. In section 5 User Provisioning, accept the default and select NEXT
  - 2. in section 6 Group Provisioning, select ADD GROUP
  - 3. Under Group Name type mark and select Marketing@euc-livefire.com, under Nickname type Marketing and select SAVE
  - 4. On the Group Provisioning page select NEXT
  - 5. On section **7 Summary** select **SAVE**

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	User Principal Name	\${user.userPrincipalName}	
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6 Group Provisioning 7 Summary		ADD GROUP	
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Marketing@e	uc-livefire.com	marketing	
ADD GROUP			

- 7. AirWatch Provisioning Adaptor
- In this section we will continue on the **Workspace ONE Access Admin Console** and download an .XML file:-
  - 1. If you are not there already, navigate to Catalog > Web Apps
  - 2. To the right select **SETTINGS**
  - 3. Under Settings > SaaS Apps select SAML Metadata
  - 4. Under **SAML Metadata** select **Identity Provider (IdP) metadata** right click and select **Save Link As**
  - 5. In the **SAVE as** window select **Save**, you will notice the file name is **idp.xml**

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- 8. AirWatch Provisioning Adaptor
  - In this section we will switch to the Workspace ONE UEM console
    - 1. Go to Groups & SETTINGS > ALL SETTINGS
    - 2. In the Settings window under System select Enterprise Integration
    - 3. Under Enterprise Integration select Directory Services



#### 9. AirWatch Provisioning Adaptor

- 1. In the Directory Services interface click "Skip wizard and configure manually"
- 2. Under the **Server** tab (default) next to **Current Setting** ensure the **Override radio button** is selected
- 3. Under LDAP next Directory Type change this from Active Directory to None
- 4. Under LDAP next to Use SAML for Authentication select the ENABLED box

System > Enterprise Integration Directory Services
<ul> <li>Directory Services integrates with your organization's LDAP infrastructure. When Directory Services is enabled, Users and User Groups in AirWatch are linked to objects in LDAP. You can assign profiles, applications and content based on a user's group membership. Ongoing LDAP synchronization detects any changes within the system and can automatically perform necessary updates across all devices for affected users or require administrative approval before any changes occur.</li> <li>Currently, Directory Services has not been setup for this Organization Group. Please click Configure button to start the setup wizard, or click the Skip link to configure settings manually.</li> </ul>
CONFIGURE Skip wizard and configure manually

Directory Services 📀	
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Directory Type *	✓ None
	<ul> <li>Enrollment</li> <li>Self-Service Portal</li> </ul>
Use New SAML Authentication Endpoint	ENABLED ()
SAML 2.0	

- 10. AirWatch Provisioning Adaptor
- Next to Enable SAML Authentication For put a check next to Admin, Enrollment and Self-Service Portal
- 2. Next to Use New SAML Authentication Endpoint select **Enabled**
- 3. Under **SAML 2.0** next to **Import Identity Provider Settings** select **UPLOAD** and choose your xml file.
- 4. At the bottom of the window select **SAVE**
- 5. Next to **Request Binding Type** select the POST radio button,
- 6. Next to **Response Binding Type** select the POST radio button, scroll down and select **SAVE**
- 7. Close the Settings window by selecting  $\mathbf{X}$  to the right of the window

LDAP	
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Use SAML For Authentication	ENABLED DISABLED	
Enable SAML Authentication For *	<ul> <li>Admin (i)</li> <li>Enrollment</li> <li>Self-Service Portal</li> </ul>	
Use New SAML Authentication Endpoint	ENABLED DISABLED	

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Cloud Connector	NamelD	Unspecified *
Directory Services	Format*	
Email (SMTP)	Authentication	None
VMware Tunnel	Request Security	
VMware Tunnel Proxy	secony-	
Third-Party Proxies	Response	
Peer Distribution	Response	○ Redirect ● POST ○ Artifact
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Remote Management	Authentication	None ~
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- 11. AirWatch Provisioning Adaptor
- In this section we will work Workspace ONE UEM Admin Console, Under Groups and settings > All Settings > Devices & Users > General > Enrollment
  - 1. Next to **Current Settings** Click **Override**
  - 2. Next to **Authentication Mode(s)** ensure the **Directory checkbox** is enabled
  - 3. Next to Source of Authentication for Intelligent Hub. Select VMWARE IDENTITY MANAGER

**NOTE:** If SAML 2.0 is enabled as above it will still use Workspace ONE Access for authentication even if **WORKSPACE ONE UEM** is selected, but **People Search** and **Notifications** will only be enabled in **HUB** if **VMWARE IDENTITY MANAGER** is select here.

4. Select **SAVE** 

Settings	bettymarmol25 Add × Q, Q, SZ (2) bettymarmo	×
<ul> <li>System</li> <li>Devices &amp; Users</li> </ul>	Devices & Users > General Enrollment ⑦	
Enrollment Friendly Name	Authe Managi Term Gri Resi Optior Custo	
Message Templates	Current Setting 🔷 Inherit 💿 Override	
Notifications		
Privacy		
Passwords	Getting Started	
Shared Device	To start device enrollment, a user is asked to enter their work email address.	
Advanced	If the user's email domain has been registered below, then the device is automatically enrolled into the appropriate Organization Group, based on the domain of the email enderse actement	
Android	If the user's email domain is not registered, they can enroll by entering the AirWatch Se	rver
> Apple	End users can also authenticate with the Self-Service Portal using this same method.	
> QNX		
Chrome OS	Search List	J
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Authentication Mode(s)	🔽 B <mark>asic 🗹 Direc</mark> tory 🗌 Au	thentication Proxy	
Source of Authentication for Intelligent Hub	WORKSPACE ONE UEM	VMWARE IDENTITY MANAGER	í
for Intelligent Hub			Ŭ

#### 12. AirWatch Provisioning Adaptor

- Switch back to the Workspace ONE Access Admin console
  - Select Catalog and select the checkbox next to AirWatch Provisioning Application Select ASSIGN
  - 2. In the Assign window under **Users / User Groups** type **Marketing**, select **Marketing@euc-livefire.com**
  - 3. Under Deployment Type change User-Activated to Automatic and SAVE
  - 4. The users should now be provisioned into **WorkspaceOne UEM**. You can check this by going into the **WorkspaceONE UEM console** select **Accounts** > **Users** > **List View**

Note! It could take up to 10 minutes for provisioning to work.

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Dashboard - Users & Groups Catalog	- Identity & Access Management Roles
NEW EDIT ASSIGN	DELETE CATEGORIES V MORE V SETTINGS
Application	Туре
AirWatch Provisioning	SAML 2.0
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谷 ACCOUNTS	Administrators	>		User2 User2 PD1	user2@euc-livefire.com	frederick.pasantol
			-	User3 User3 PD1	user3@euc-livefire.com	frederick.pasantol
				User4	user4@euc-livefire.com	frederick.pasantol
٦			1	User4 PD1		

## Part 3: Completing full SAML configuration in Workspace ONE Access of Workspace ONE UEM

The AirWatch Provisioning Adaptor is a new way to configure User and Group Provisioning. One of the steps we followed was to copy Workspace ONE Access Metadata into Workspace ONE UEM. What we have learned in our troubleshooting is that if we were to leave configuration as it is, enrollment of devices will fail. In testing with Windows 10 and Android based enrollment we got a common error message which looked as follows. Application cannot be found.

With extensive collaboration with the PSO team in our Atlanta USA office we were able to establish the cause.

We required full SAML configuration on both services that being Workspace ONE UEM and Workspace ONE Access. Up till now we have only configure SAML integration of Workspace ONE Access in Workspace ONE UEM. We will now configure SAML integration in Workspace ONE Access of Workspace ONE UEM.



- 1. SAML integration Configuration (Part 4)
- Switch to your **Workspace ONE Access** Console
  - 1. Select Catalog > Web Apps and then select NEW
  - 2. In the **New Saas Application** under **Search** type **airwatch** and select **AirWatch Mobile Device Management**
  - 3. Scroll down to the bottom of the page and select NEXT

NEW EDI	T ASSIGN DELET
ew SaaS Applicat	ion
1 Definition	Definition
2 Configuration	Search
3 Access Policies 4 Summary	Q airwatch
	AirWatch Admin
	~

- 2. SAML integration Configuration (Part 4)
- Step 2 of the New Saas Application wizard
  - 1. In the **New Saas Application** wizard, step **2 Configuration**, scroll down to **Application Parameters** and configure the following:- next to :
    - 1. AWServerName under Value type : ds-livefire.awmdm.com
    - 2. AC type your Group ID under Value : eg. Plaston444
    - 3. Audience under Value: AirWatch
    - 4. Scroll down and move the **toggle** under **Show in User Portal** to **No**
    - 5. Select **NEXT**
  - 2. In step 3 Access Policies select NEXT
  - 3. In step 4 Summary select SAVE

Name	Description	Default Value	Value
AWServerName	AirWatch Server Name		ds-livefire.awmdm.com
ac	Group ID		Fran444
audience	Service Provider (AirWa		AirWatch

- 5. SAML integration Configuration (Part 4)
- Select the checkbox next to AirWatch application and select Assign

1. In the **Assign** window under **Users** in the search type **Mark** and add **marketing@euclivefire.com**, set the **Deployment Type** to **Automatic** and select **SAVE** 

Application Type   Image: Application SAML 2.0   Image: AirWatch Provisioning SAML 2.0	NEW EDIT ASSIGN DELETE	CATEGORIES V MORE V
AirWatch SAML 2.0   AirWatch Provisioning SAML 2.0   AirWatch Provisioning SAML 2.0   AirS / User Groups Search for Users or Groups	Application	Туре
Image: Search for Users or Groups       SAML 2.0         Search for Users or Groups       Deployment Type	AirWatch	SAML 2.0
Search for Users or Groups  lected Users / User Groups Deployment Type	AirWatch Provisioning	SAML 2.0
lected Users / User Groups Deployment Type	Q Search for Users or Groups	
	selected Users / User Groups	Deployment Type
Marketing@euc-livefire.com Automatic	Marketing@euc-livefire.com	Automatic