

Application version control with Workspace one UEM and Intelligence

Introduction

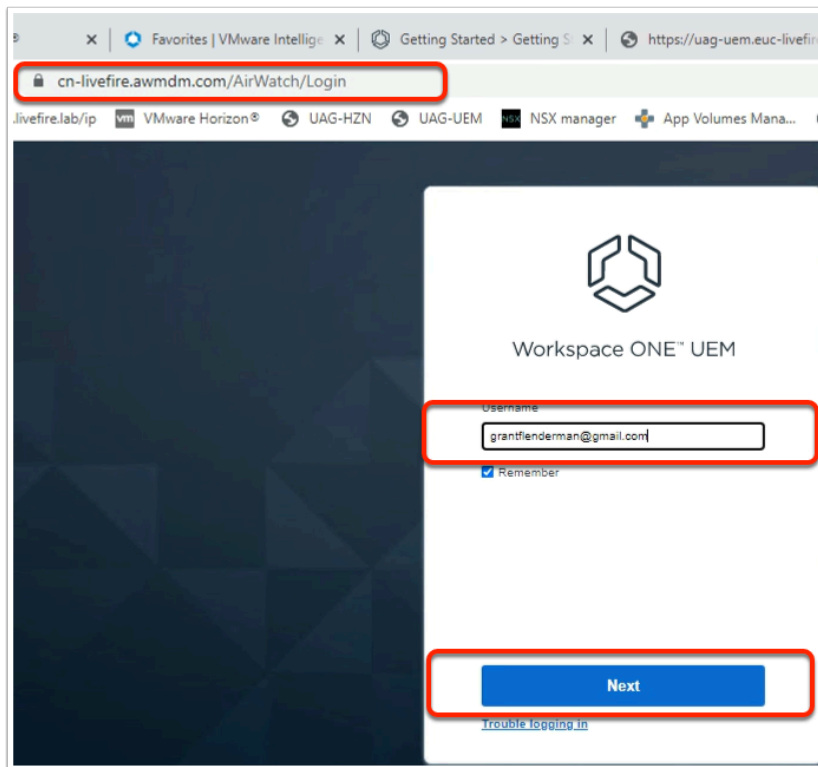
In this lab we are going to go over the tools **Workspace ONE UEM** and **Workspace ONE Intelligence** give us for visibility, control of application versioning and their use on scenarios where certain application versions have been deemed not secure due to unpatched vulnerabilities.

Whilst Workspace ONE Intelligence doesn't have an integration for app vulnerabilities, it's also important to mention CVE does have information about application vulnerabilities.

The remediation actions described here apply with no regard to where you get the vulnerability information from (magazines, websites, news outlets, app vendor, anti virus vendor).

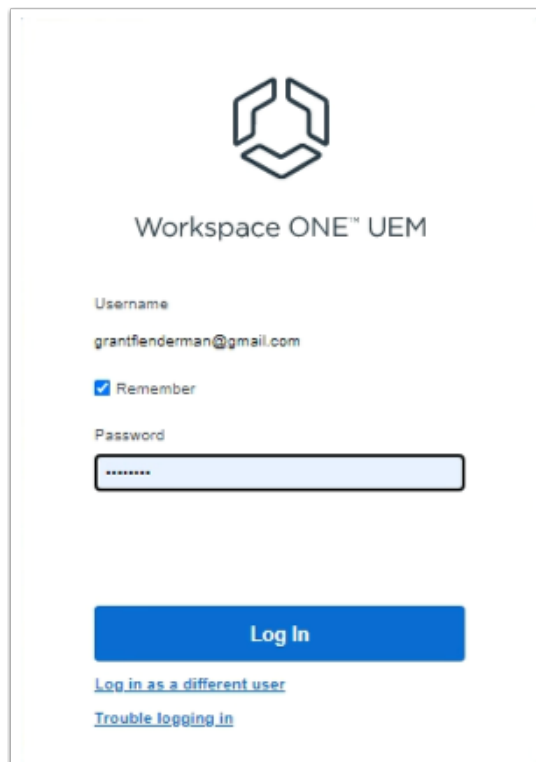
Part 1: Adding an application using Workspace ONE UEM

We are going to add an application to the **Workspace ONE UEM** application catalog, our objective would be to update systems with less secure, possibly more vulnerable versions of the application.



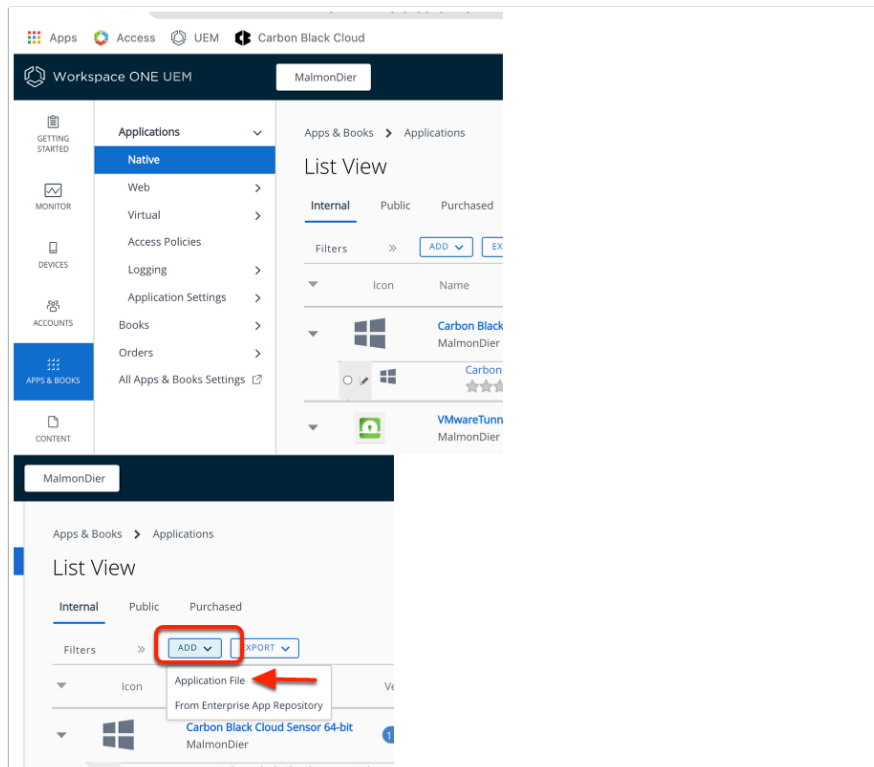
1. From your Laptop, open your **browser**:

- In the **Address Bar** type <https://cn-livewire.awmdm.com>
- In the **Username** field type in the **Username** you got in your Welcome email.
- Select **Next**.



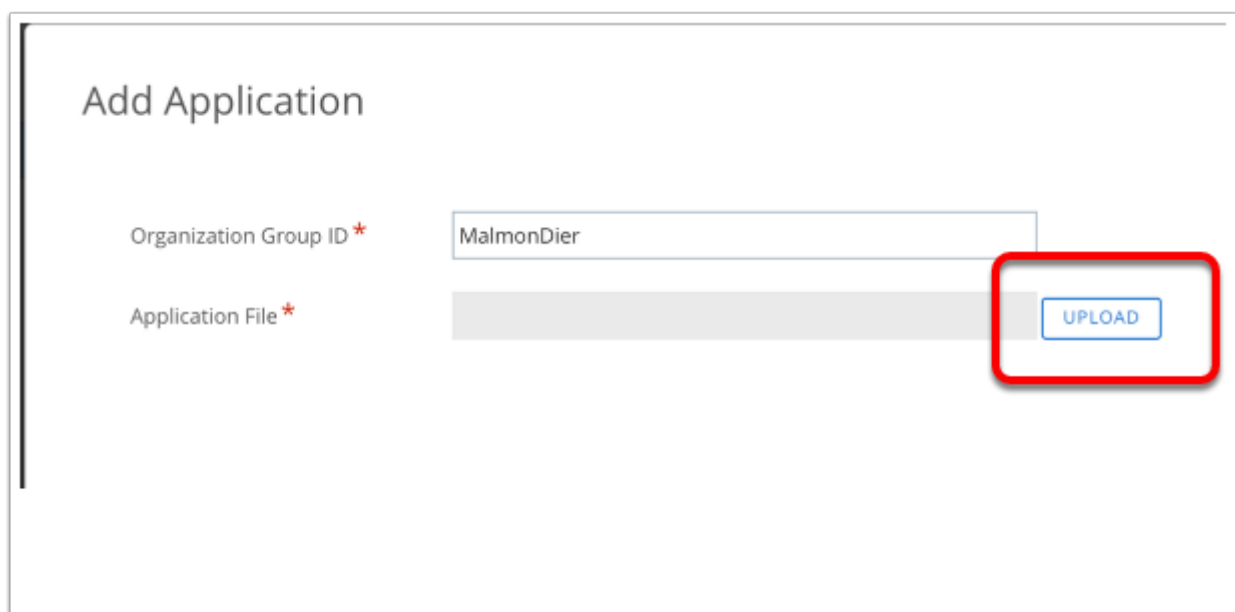
2. Finish authenticating into the Workspace ONE SaaS based console:

- In the **Password** field, type **VMware1!**
- Select **Log in**

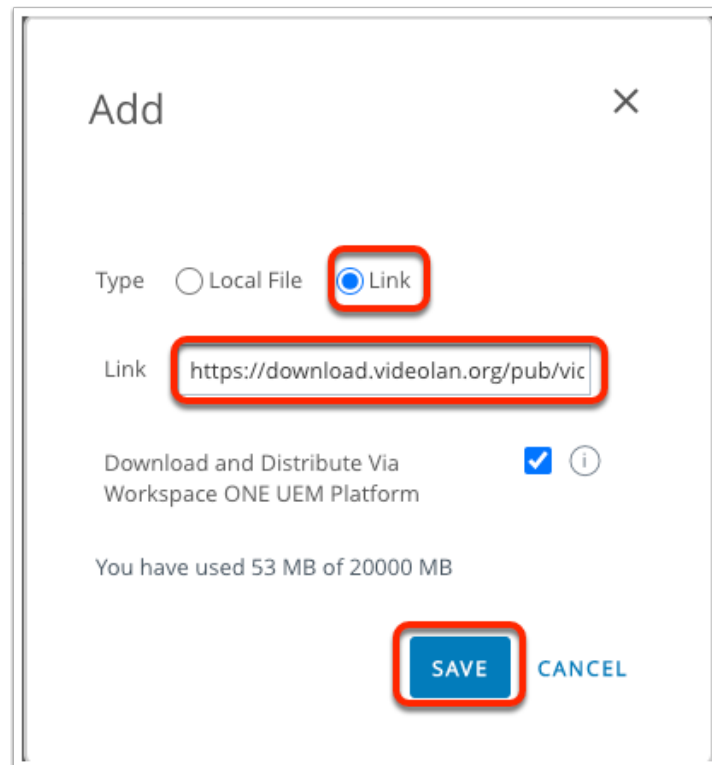


3. In the **Workspace ONE UEM Console**

- In the left Navigation pane,
 - Select **APPS & BOOKS > Applications > Native**
- Select the **dropdown** next to **ADD**
 - Select **Application File**



4. In the **Add Application** window:
- Next to **Organizational Group ID**: Leave default
 - Next to **Application file** select **UPLOAD**



The screenshot shows a dialog box titled "Add" with a close button (X) in the top right corner. Below the title, there are two radio buttons under the label "Type": "Local File" and "Link". The "Link" radio button is selected and highlighted with a red rectangle. Below this, there is a text input field labeled "Link" containing the URL "https://download.videolan.org/pub/vlc". This field is also highlighted with a red rectangle. Further down, there is a checkbox labeled "Download and Distribute Via Workspace ONE UEM Platform" which is checked, with an information icon (i) to its right. At the bottom, there is a status message: "You have used 53 MB of 20000 MB". At the very bottom, there are two buttons: "SAVE" (highlighted with a red rectangle) and "CANCEL".

5. In the **Add** window
- Choose the **Link** radio button
 - In the **Link** field **Copy and Paste**
 - <https://get.videolan.org/vlc/3.0.16/win64/vlc-3.0.16-win64.msi>
 - Select **SAVE**

Add Application

Organization Group ID *

Application File *

Is this a dependency app? ⓘ

6. In the **Add application** window,
- Select **CONTINUE**

Edit Application - VLC media player 3.0.10 (64-bit)

Internal | Managed By: MalmDier | Application ID: (D2E0205B-DD3A-46E2-ADF7-0504FF48CF04) | App Size: ...

Details | Files | Deployment Options | Images | Terms of Use

Name * ⓘ

Managed By

Application ID *

App Version *

Build Version

Version ⓘ

Supported Processor Architecture ⓘ

Is Beta ⓘ

Change Log ⓘ

Categories ⓘ

Minimum OS * ⓘ

Supported Models * ⓘ

Description ⓘ

7. On the **Edit Application - VLC media player 3.0xx**
- Under Details
 - Next to **Supported Processor Architecture**
 - Select **64-bit**

- Select **SAVE & ASSIGN**

VLC media player 3.0.16 (64-bit) - Assignment

Distribution

Restrictions

Name * VLC Distribution

Description Assignment Description

Assignment Groups * To whom do you want to assign this app?
All Devices(MaimonDier) X

Deployment Begins * 08/27/2021 04:30 PM (GMT+04)

App Delivery Method * ☒ Auto ☐ On Demand

Hide Installation Notifications * ☐

Allow User Install Deferral * ☐

Display in App Catalog ☐

CANCEL CREATE

- In the **VLC media player 3.0.16 (64-bit) - Assignment** window add the following information
 - **Name:** **VLC Distribution**
 - **Description :** **Update**
 - **Assignment Groups:** **ALL Devices(YOUR ORG)**
 - **Deployment Begins :** **Choose a time that is 1 day behind your current time**
 - **App Delivery Method:** **On Demand** (we will trigger installations from intelligence)
 - **Allow User Install Deferral:** leave in Default position
 - **Display in App Catalog:** switch to NO (**grey**) position
 - Select **CREATE**

VLC media player 3.0.16 (64-bit) - Assignment

Details
 Version : 3.0.16 Platform : Windows Desktop Status : ● Active

Assignments Exclusions

Devices will receive application based on the configurations below. Devices with multiple assignments assignment to edit. Adding a new assignment will create a new rule at the bottom of the list.

ADD ASSIGNMENT

Priority	Assignment Name	Description
0	VLC Distribution	

CANCEL **SAVE**

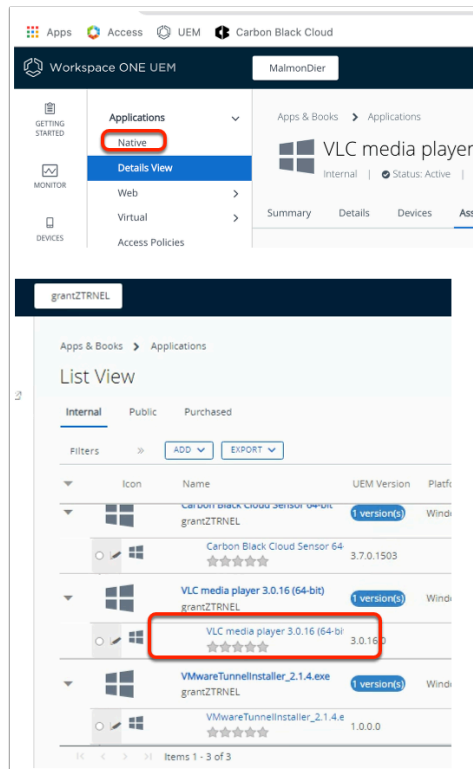
9. On the **VLC media player 3.0.16(64-bit) - Assignment** window
 - Select **SAVE**

VLC media player 3.0.16 (64-bit) - Preview Assigned Devices

Assignment Status	Friendly Name
Added	MalmonDier VMware Virtual Platform 1 eeREINHART122
Added	MalmonDier VMware7,1 5 e5W10EXT01A

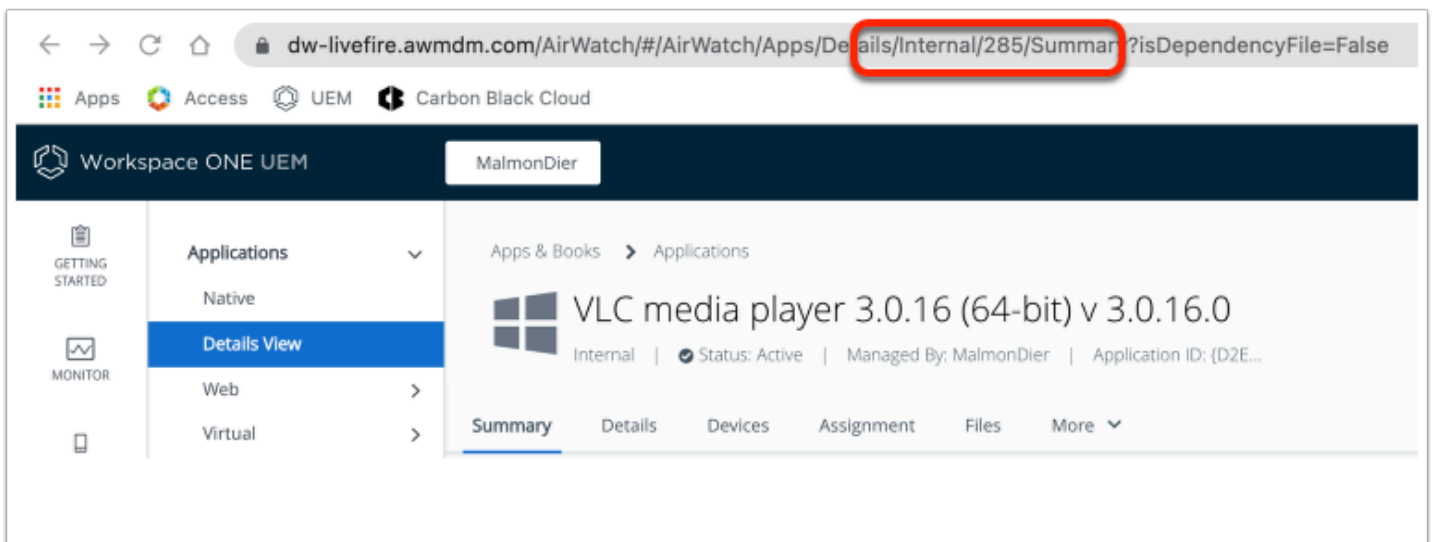
CANCEL **PUBLISH**

10. In the **VLC media player 3.0.16 (64-bit) - Preview Assigned Devices** window,
 - Make sure your Windows machines are included
 - In the bottom right, select **PUBLISH**



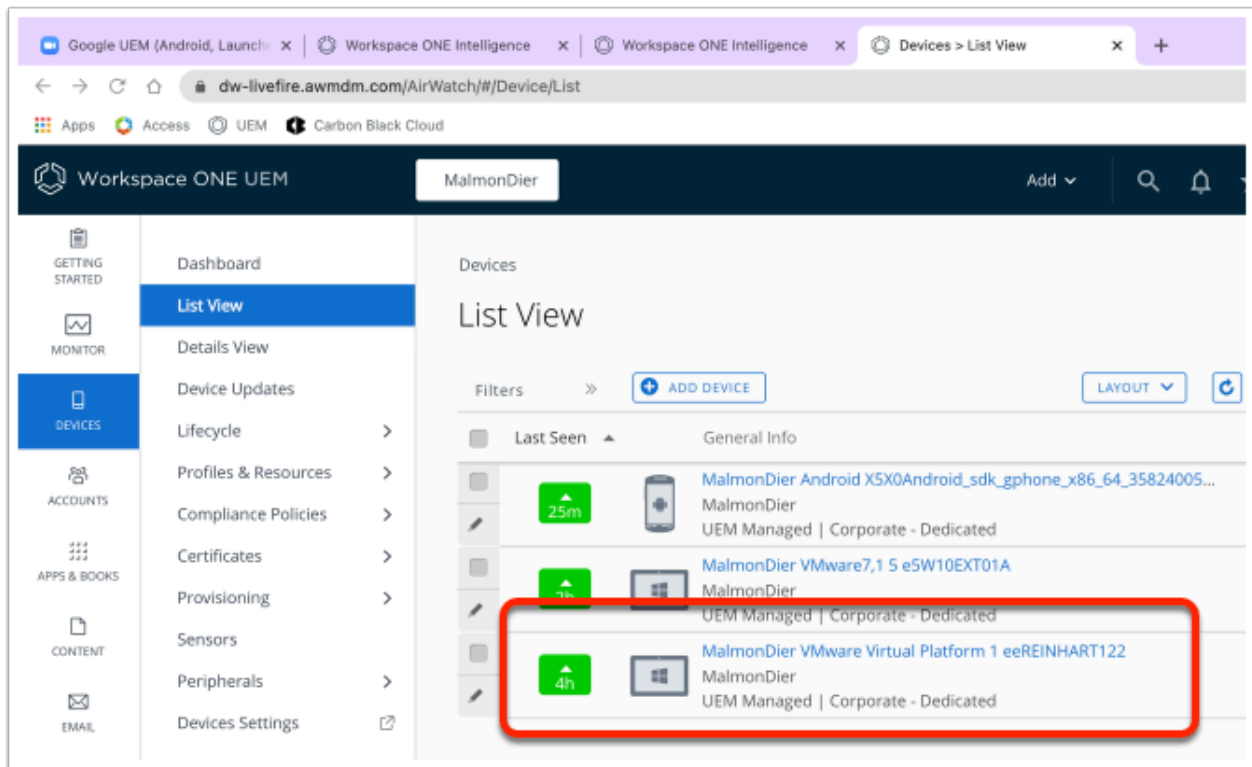
11. Under Apps & Books

- Select **Native**
- Select the **VLC media player 3.0.16(64-bit)** application
 - Make sure you select the sub version of VLC media player



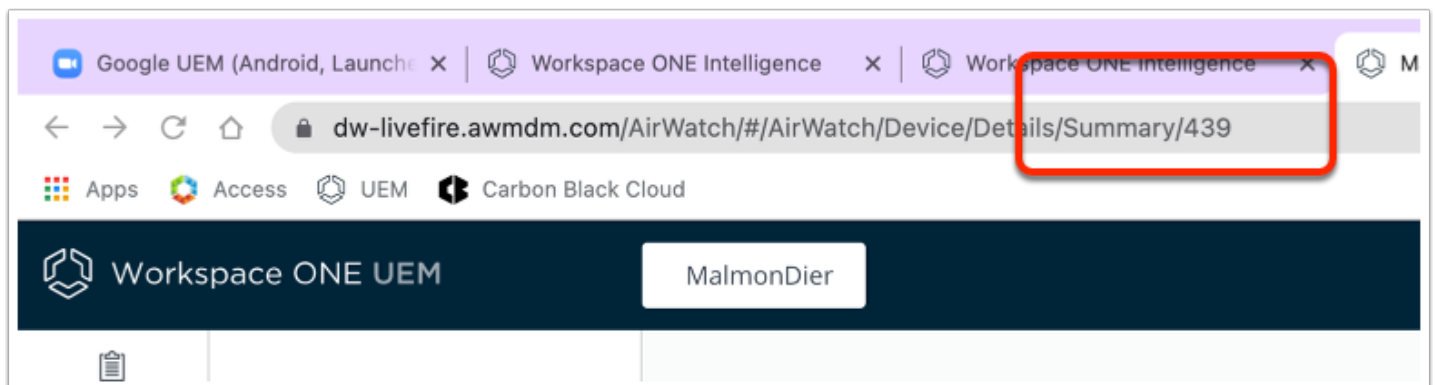
12. In Workspace ONE UEM URL address bar

- In the **URL**, capture the number after the **"/internal/"** section.
 - We will use this **Application ID** in a later exercise.



13. In the Workspace ONE UEM console

- Select **Devices** > **List View**
- Under **List View**, select your Windows 10 desktop used on Day 1

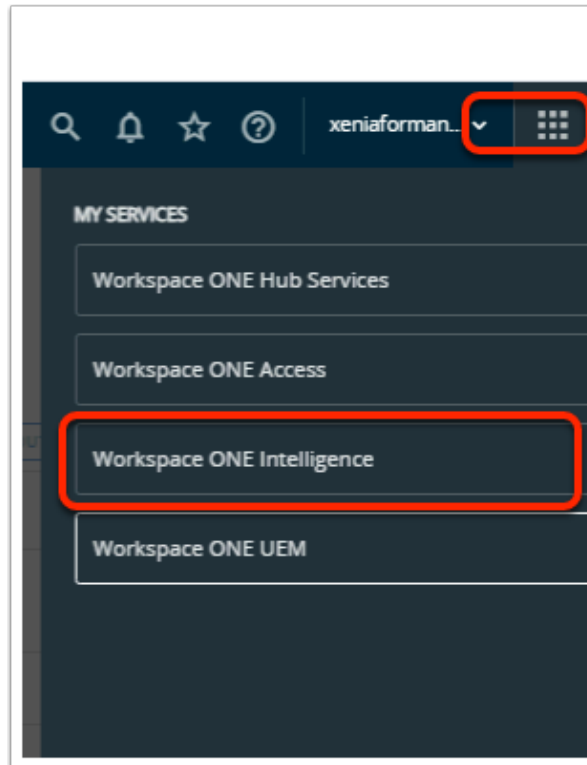


14. In the Workspace ONE UEM address bar

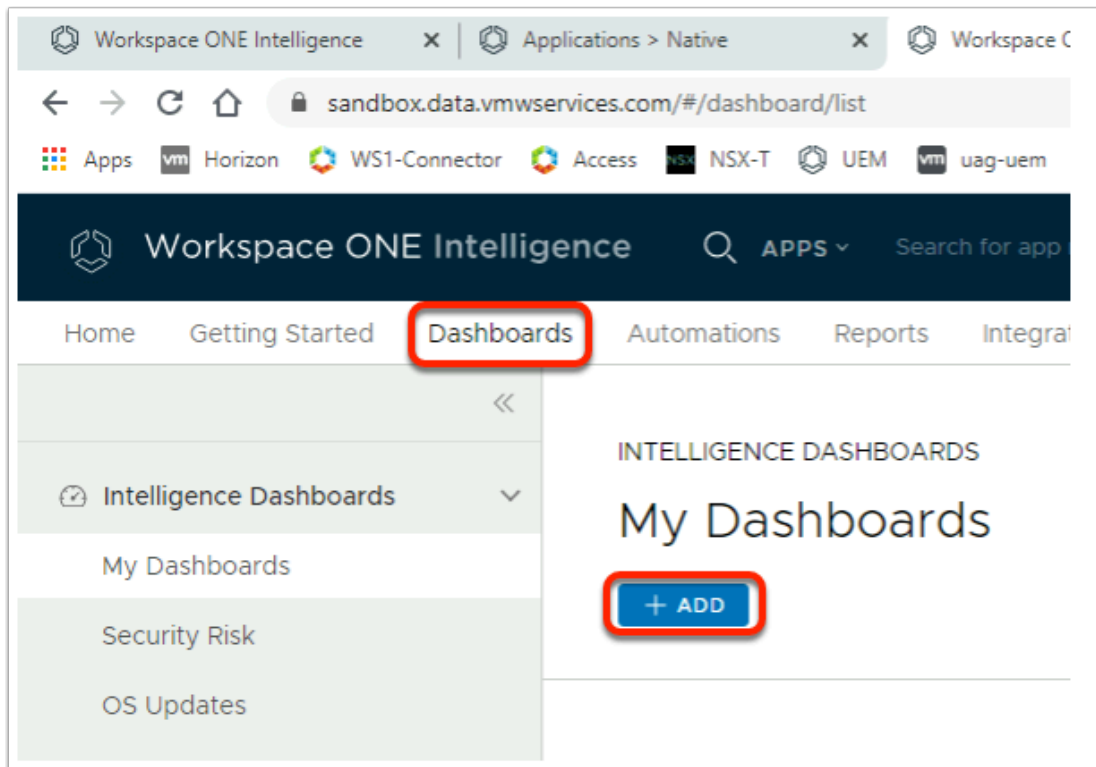
- Note the Device ID next to **Summary**
 - In this example the number happens to be **439**

Part 2: Configure Workspace ONE Intelligence

In this part we will create a dashboard displaying the information about the application version distribution, and an automation to update the software version which have been deemed vulnerable.



1. Switch to your **Workspace ONE Intelligence** console:
 - In the top right-corner of your **Workspace ONE UEM** Console,
 - select the **MY SERVICES** Menu
 - Select **Workspace ONE Intelligence**



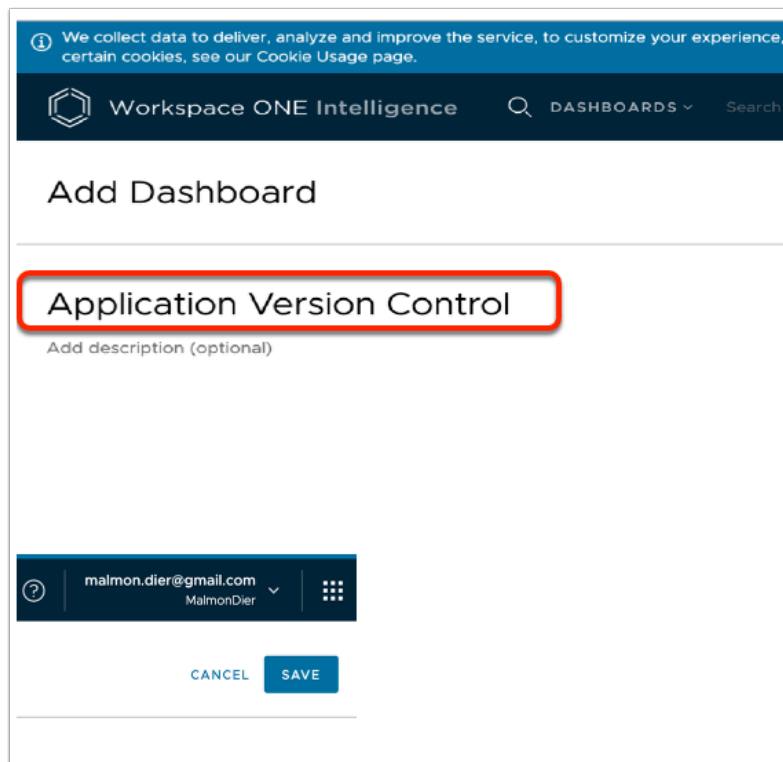
2. In the Workspace ONE Intelligence console

i. In the Menu bar,

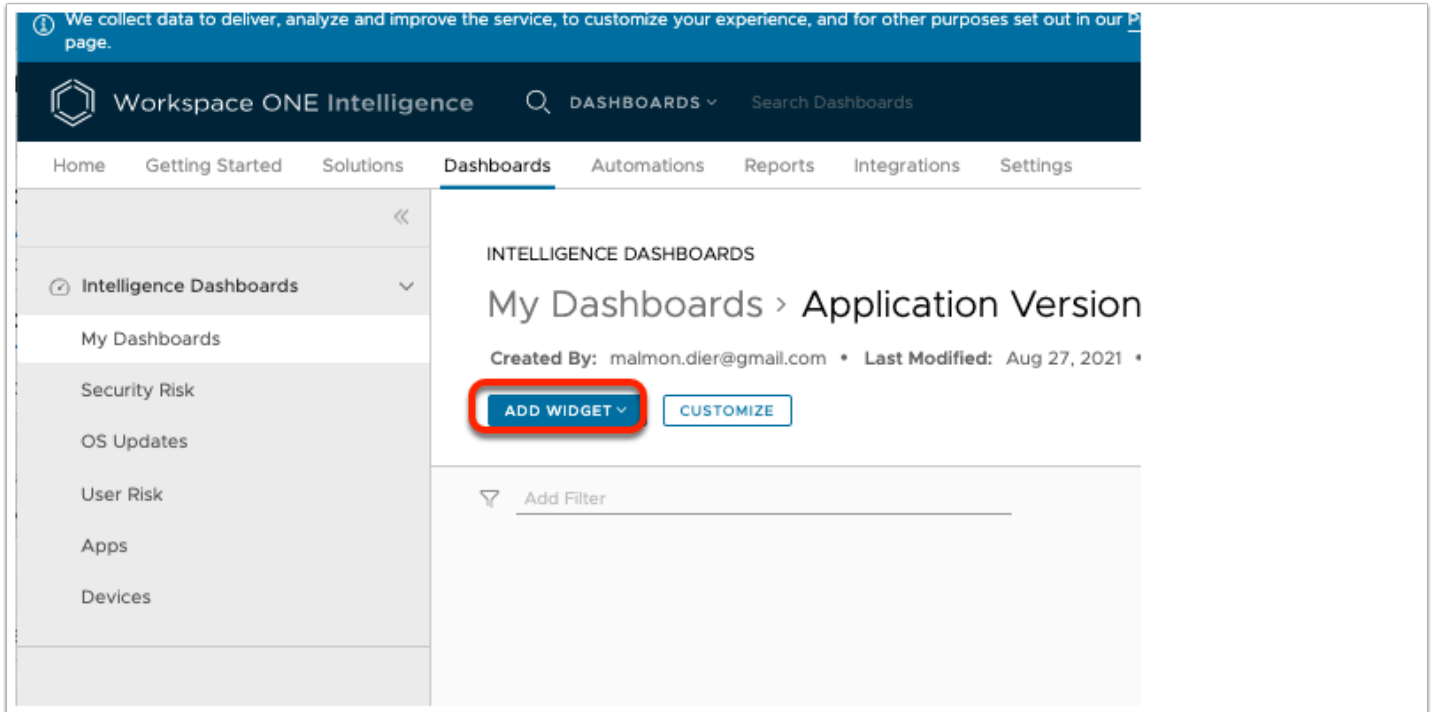
- select **Dashboards**

ii. Under **MY Dashboards**,

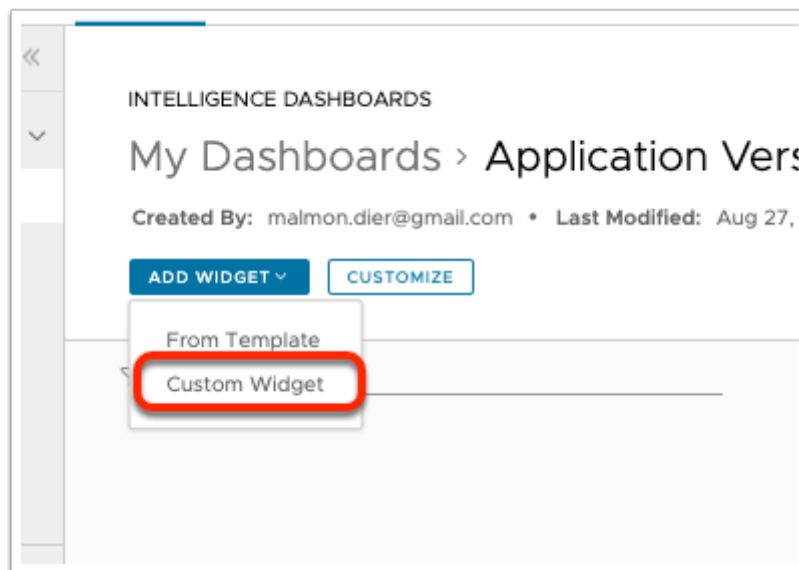
- select **+ADD**



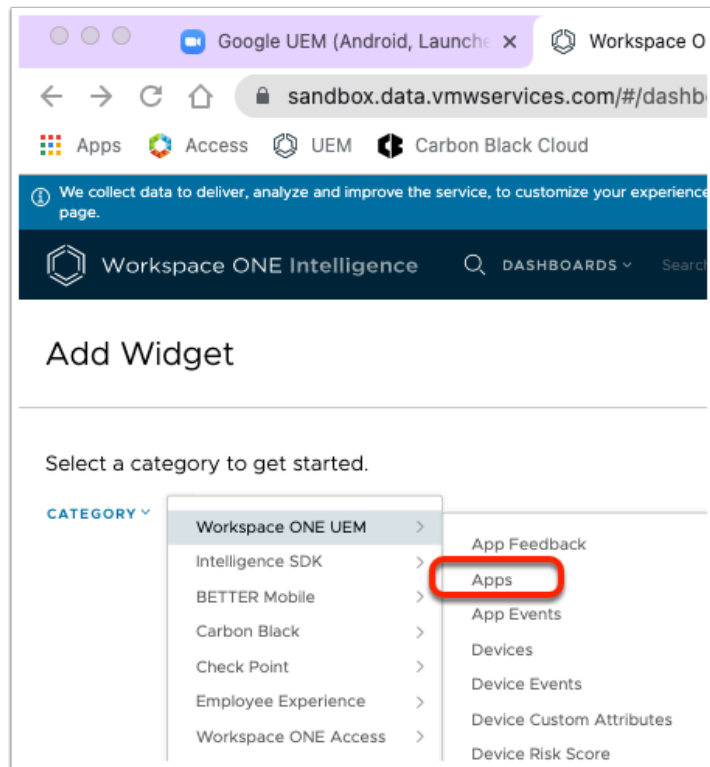
3. In the **Add Dashboard** window
 - i. In the **Name your dashboard** area,
 - Type **Application Version Control**
 - ii. In the top right-hand corner,
 - Select **SAVE**



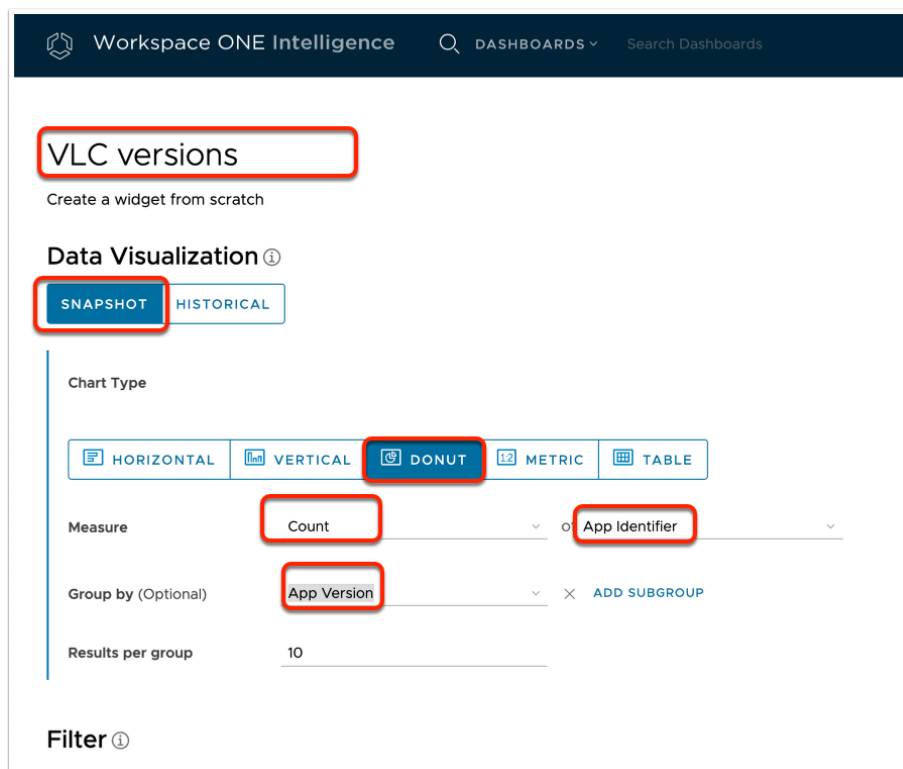
4. In the **My Dashboards > Application Version Control** window
 - Select **ADD WIDGET**



5. In the **My Dashboards > Application Version Control** window
 - From the dropdown, select **Custom Widget**



6. In the **Add Widget** window
 - Select the **Category dropdown** menu
 - Navigate to **Workspace ONE UEM > Apps**

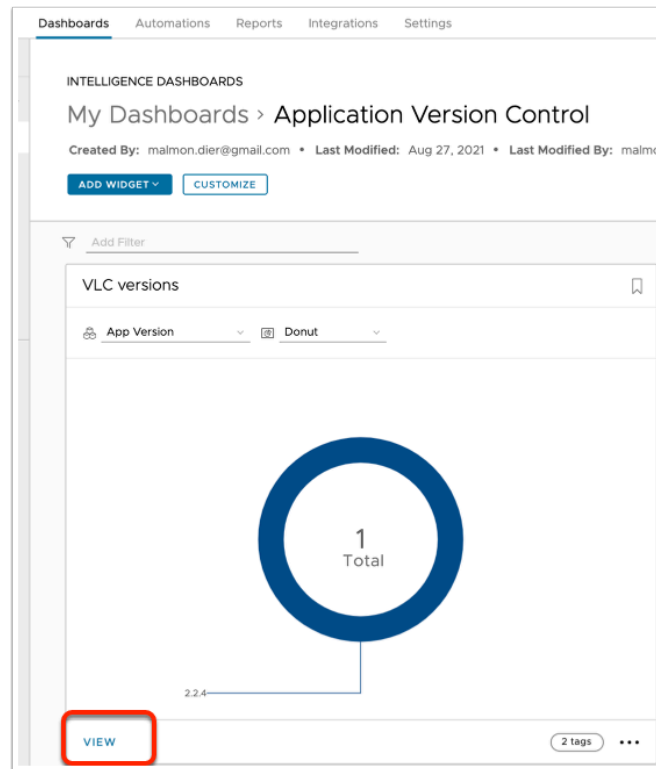


7. In the **Add Widget** window enter the following data:
 - i. In the **Blank name** field :

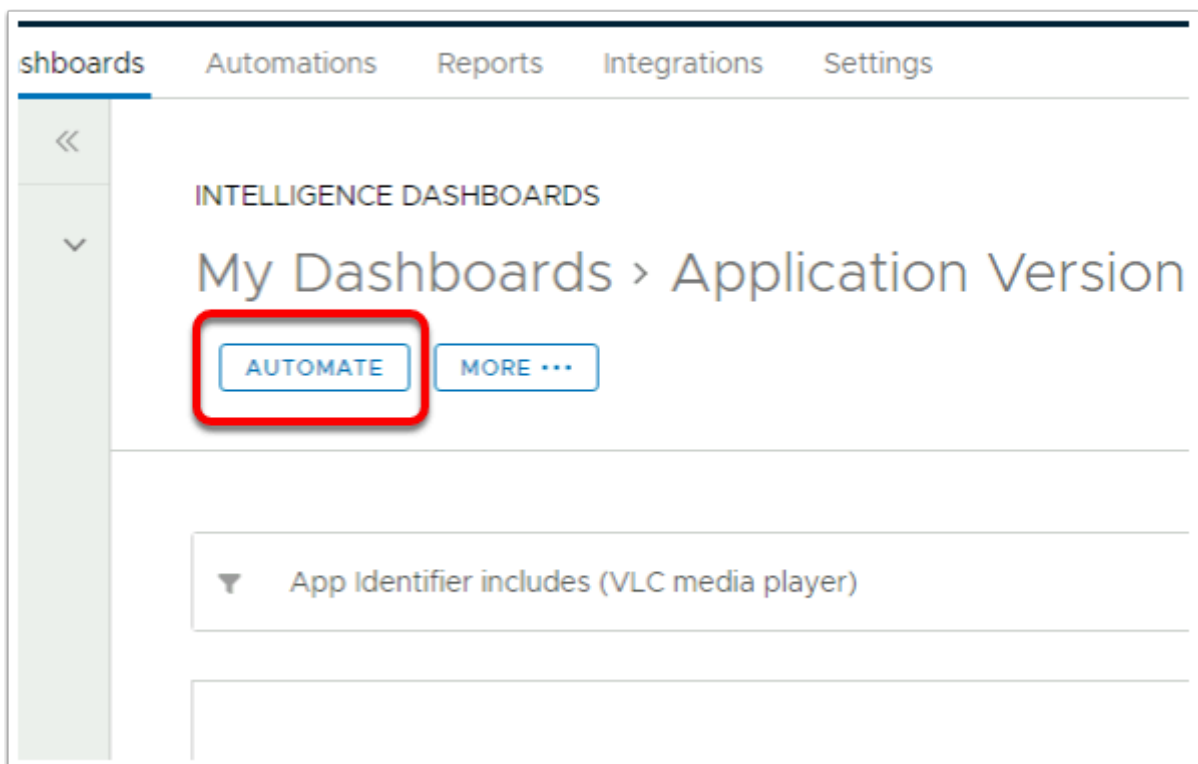
- type **VLC Versions**
- ii. Under **Data Visualization** section
 - ensure **SNAPSHOT** is selected
- iii. Under **Chart type** section,
 - select **DONUT**
- iv. Next to **Measure**
 - In the first field , ensure **Count** is selected
 - In the second field , search for value **App Identifier**
- v. Next to the **Group by** field :
 - From the dropdown select **Apps > App Version**
- vi. Scroll down to the **Filter** section

The screenshot shows a 'Filter' configuration window. At the top left is the title 'Filter' with a help icon. At the top right is a 'CLOSE' button. Below the title is a search bar containing 'App Identifier includes (VLC media player)'. Underneath is a rule configuration area with a table-like structure. The first row shows 'App Identifier' in the first column, 'Includes' in the second column, and 'VLC media player' in the third column. There are plus and trash icons to the right of the rule. At the bottom right of the window are three buttons: 'CANCEL', 'BACK', and 'SAVE'.

8. In the **Add Widget** window > **Filter** Area
 - Under **Empty Rule**,
 - In the second line, in **Search**, select the **dropdown menu**,
 - select **Apps > App Identifier**
 - In the same line, **second column**, ensure **Includes** is selected.
 - In the same line, **third column**,
 - Start typing **VLC** and select **VLC media player**
 - In the top-right corner, select **SAVE**



9. In the **My Dashboards** window
- Select **VIEW**



10. Under **My Dashboards/Application version control**
- Select **AUTOMATE**

Add Workflow

Category: Workspace ONE UEM: Apps

VLC UPDATE

Workspace ONE UEM: Apps (Application Version Control)

Trigger (When) ⓘ

Workspace ONE UEM: Apps Data

Automatic ⓘ

Filter (If) ⓘ CLC

App Identifier includes (VLC media player) ⓘ

App Identifier Includes VLC media player ⓘ + ⓘ

11. In the **Add Workflow** window
- In the **Name your workflow** area,
 - type **VLC UPDATE**
 - At the end of your first **Filter**,
 - Select the **PLUS SIGN** to add another filter

Filter (If) ⓘ CLOSE


App Identifier includes (VLC media player) ⓘ

2 AND App Version starts with 2

App Identifier Includes VLC media player ⓘ + ⓘ

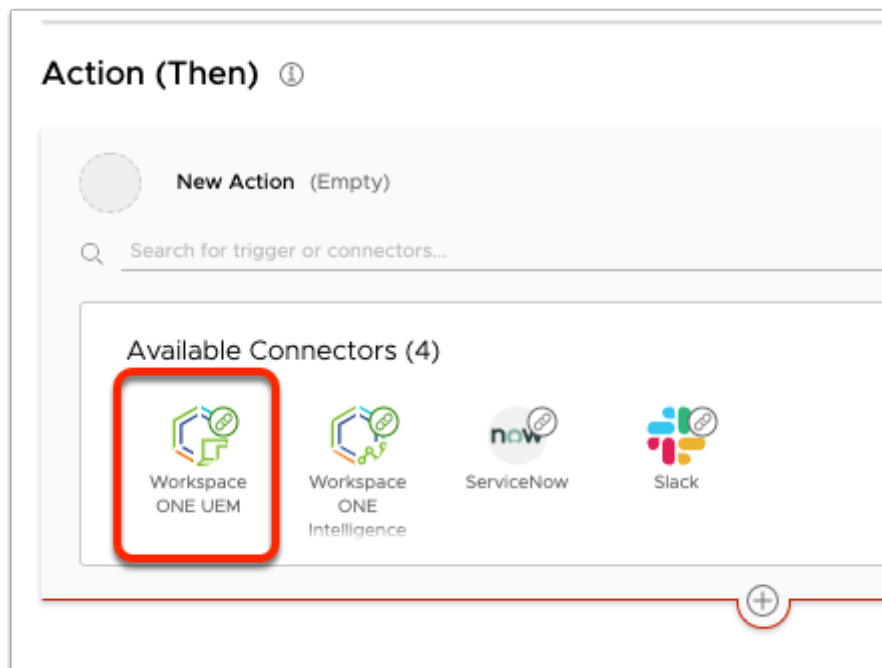
App Version Starts With 2 ⓘ + ⓘ

Action (Then) ⓘ

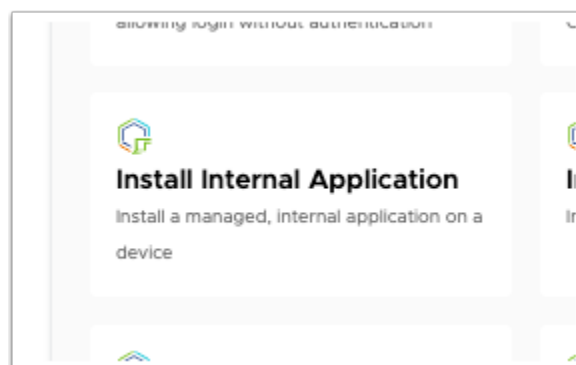
+ 

12. In the **Filter (If)** area **second** row:

- i. In the first column,
 - from the dropdown, select **Apps > App Version**
- ii. In the second column,
 - from the dropdown, select **Starts With**
- iii. In the 3rd column,
 - type **2**
- iv. Under **the Action (Then)** section
 - select the "+" sign





13. Under **Available Connectors**
 - Select the **Workspace ONE UEM** connector



14. Under **Available Connectors**
 - Scroll down and select **Install Internal Application**

Action (Then) ⓘ

 Workspace ONE UEM → Install Internal Application ⓘ 

Body


Device ID

Path Variables

☐ Search for existing values ☒ Enter custom value

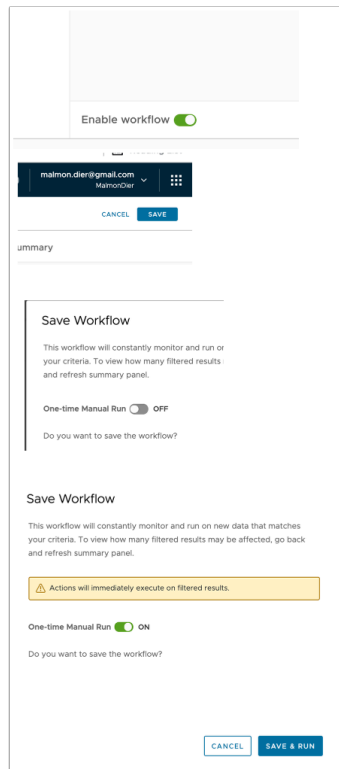
Application ID

TEST

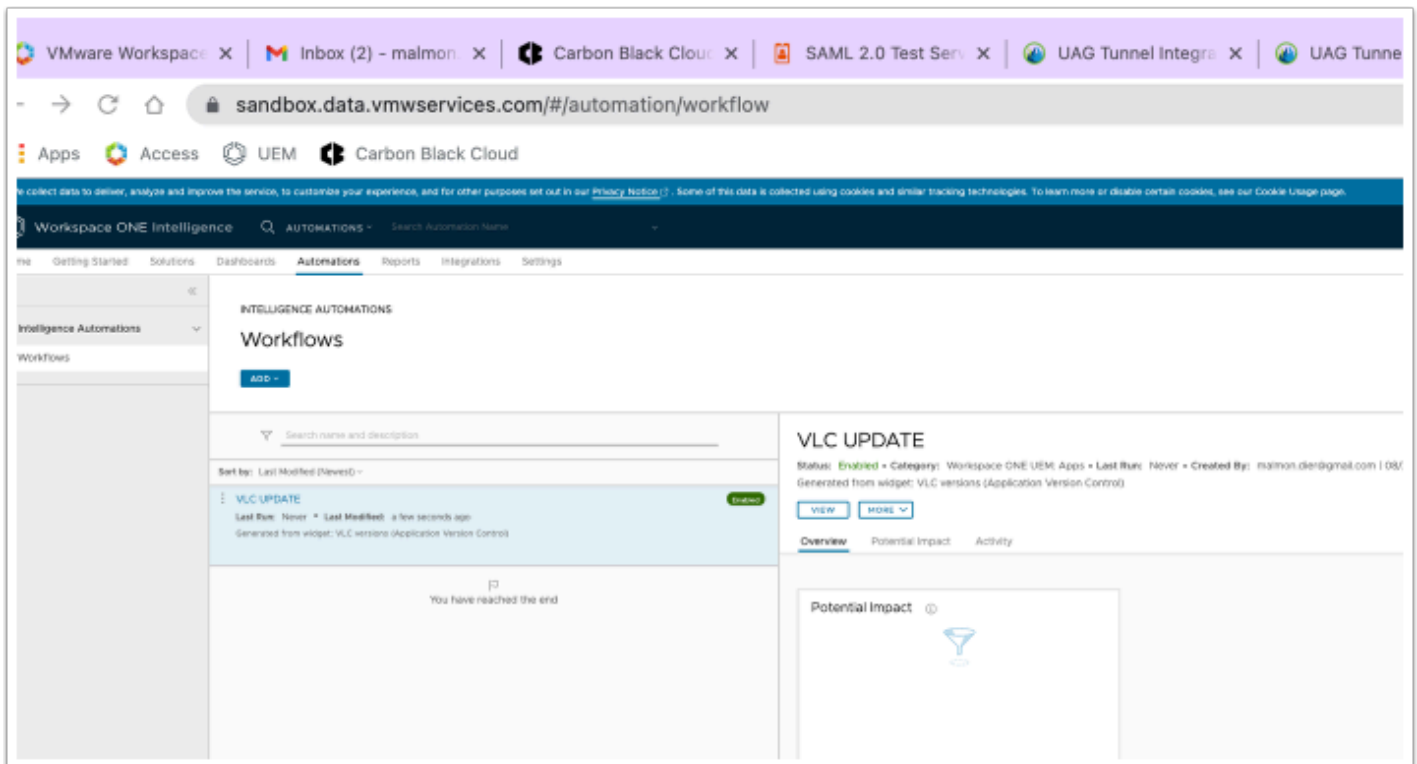


15. In the **Action (Then)** window

- Next to **Device ID**
 - enter your custom **Device ID**
 - In this example the number is **439**
- Under **Path Variables**,
 - Ensure the **radio button** next to " **Enter custom value** " is selected
- Next to **Application ID**
 - enter your custom **Application ID**
 - In this example the number is **285**



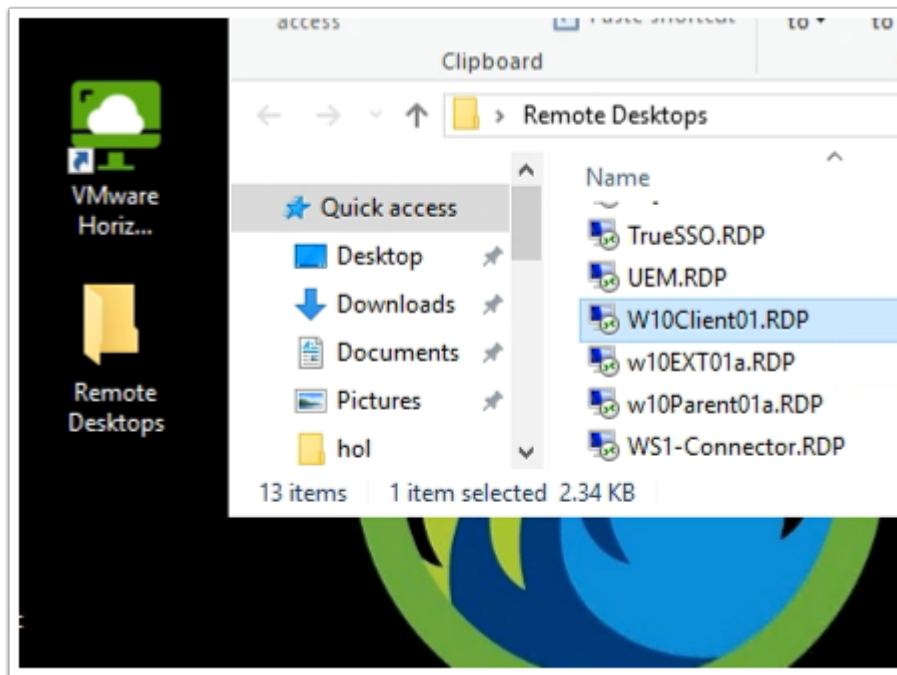
16. In the **Add Workflow** window
- In the bottom right corner
 - Move the **Toggle** next to **Enable workflow (GREEN)**
 - In the top right corner
 - Select **SAVE**
 - In **Save Workflow** window
 - Next to **One-time Manual Run**
 - Move the **toggle** right
 - Select **SAVE & RUN**



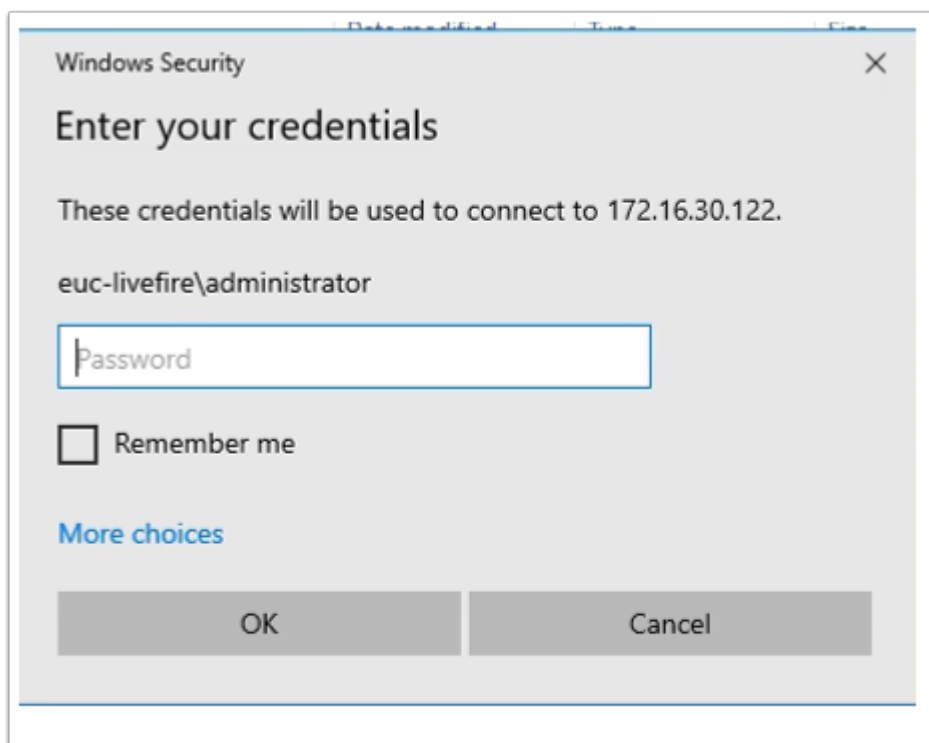
17. You should now see your newly created automation.
- leave this window open for later use.

Part 3: Verifying automation functionality

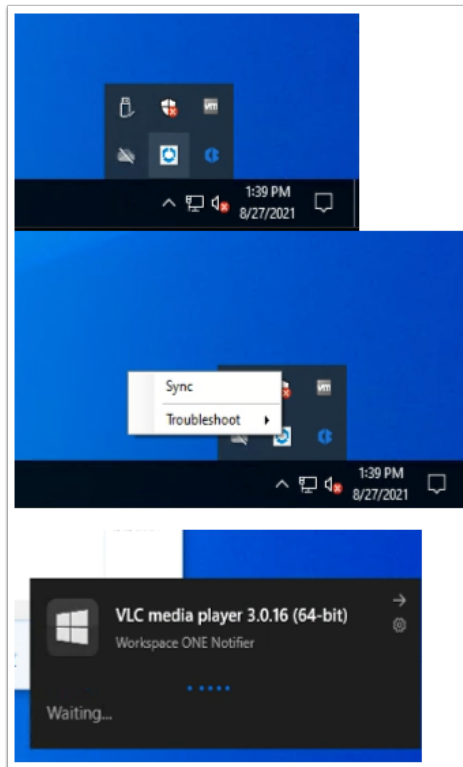
In this part we will see in action the automation you just created, from the virtual machine and the Workspace ONE Intelligence dashboard.



1. From your **Controlcenter server** desktop:
 - Open the **Remote Desktops** folder
 - Double click the **W10Client01.RDP** shortcut

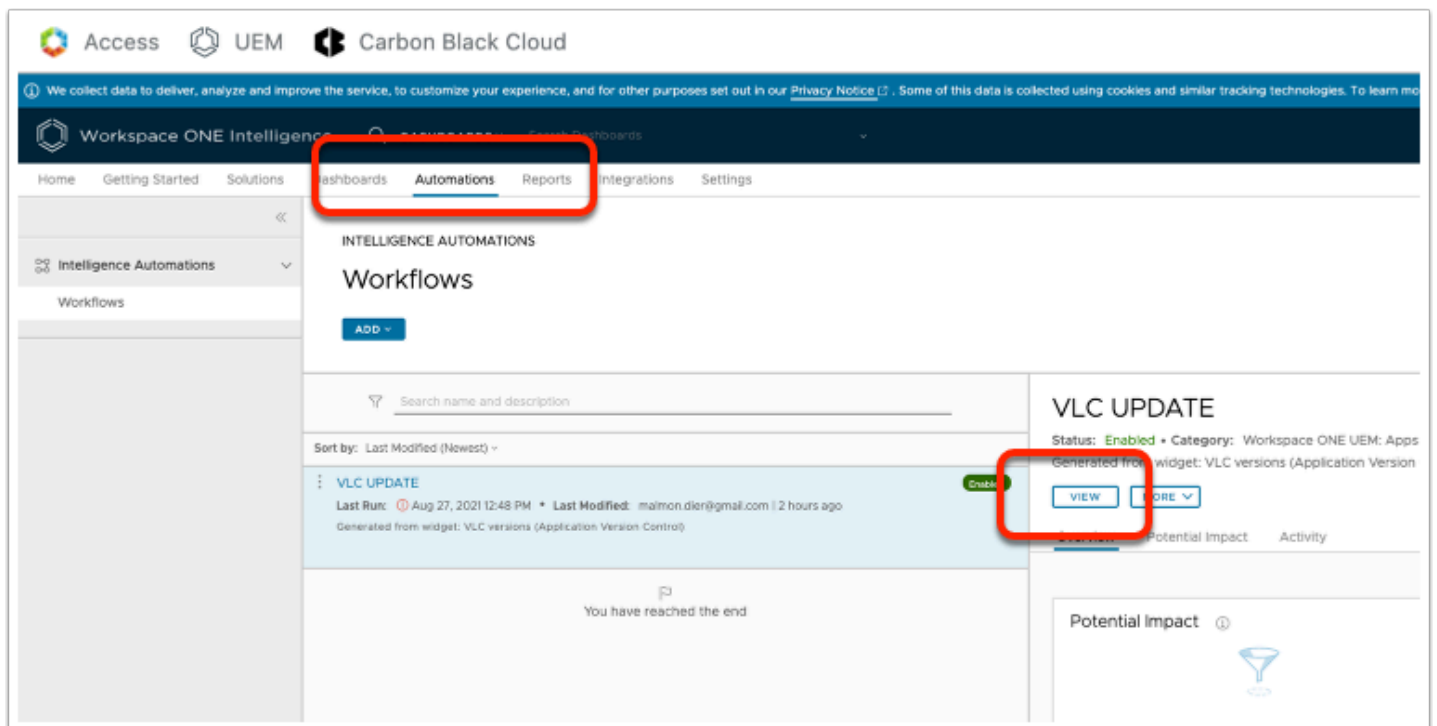


2. In the **Windows Security** window
 - Enter **VMware1!** in the password field
 - Select **OK**



3. On your **W10Client01**

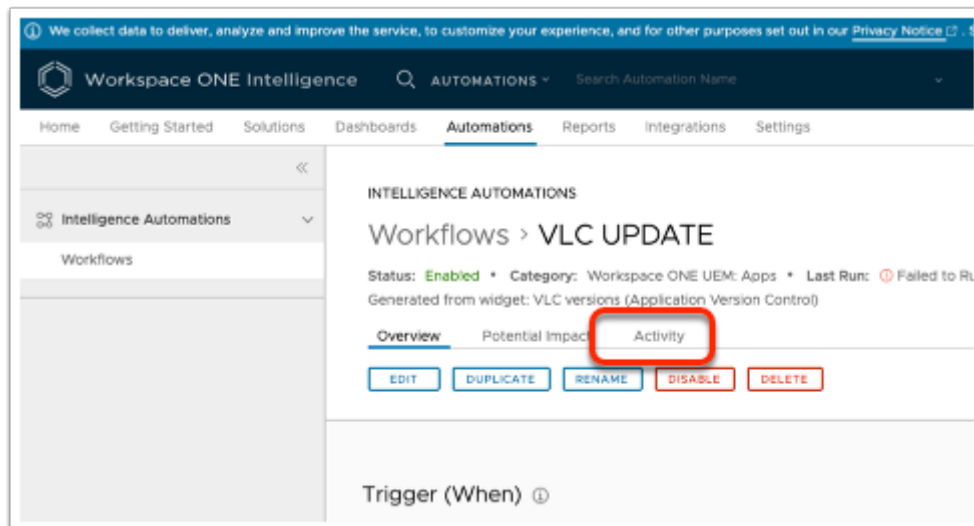
- In the notification area, right click the **Workspace ONE hub App**
- Select **Sync**
 - After a few minutes you should see a notice that VLC Media player is installing



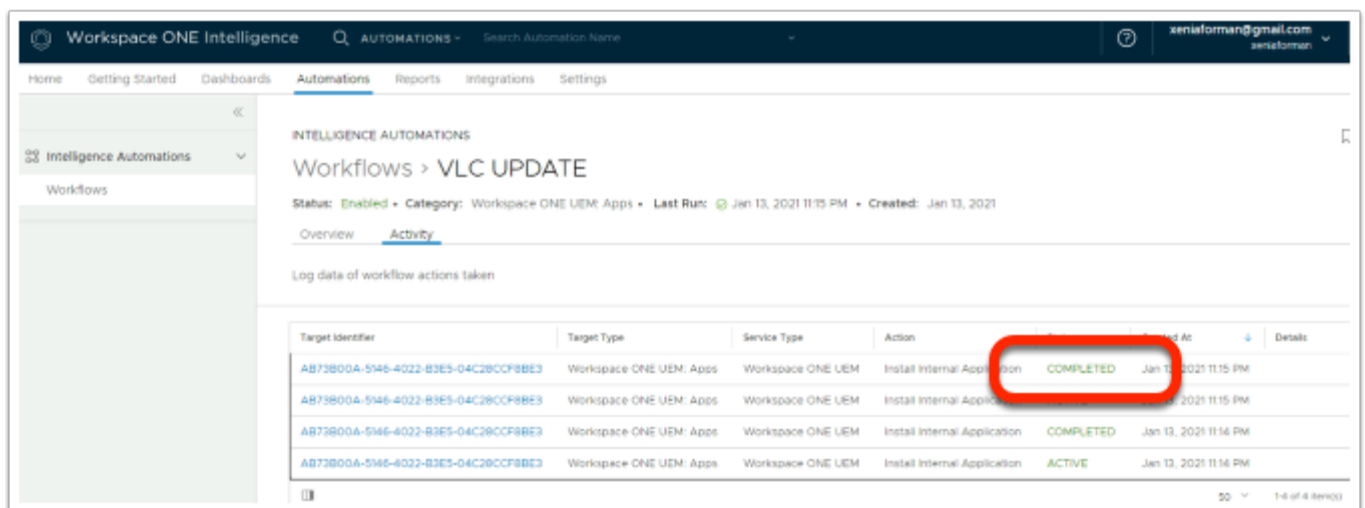
4. Switch back to **Workspace ONE Intelligence**

- From the title tabs, select **Automations**,

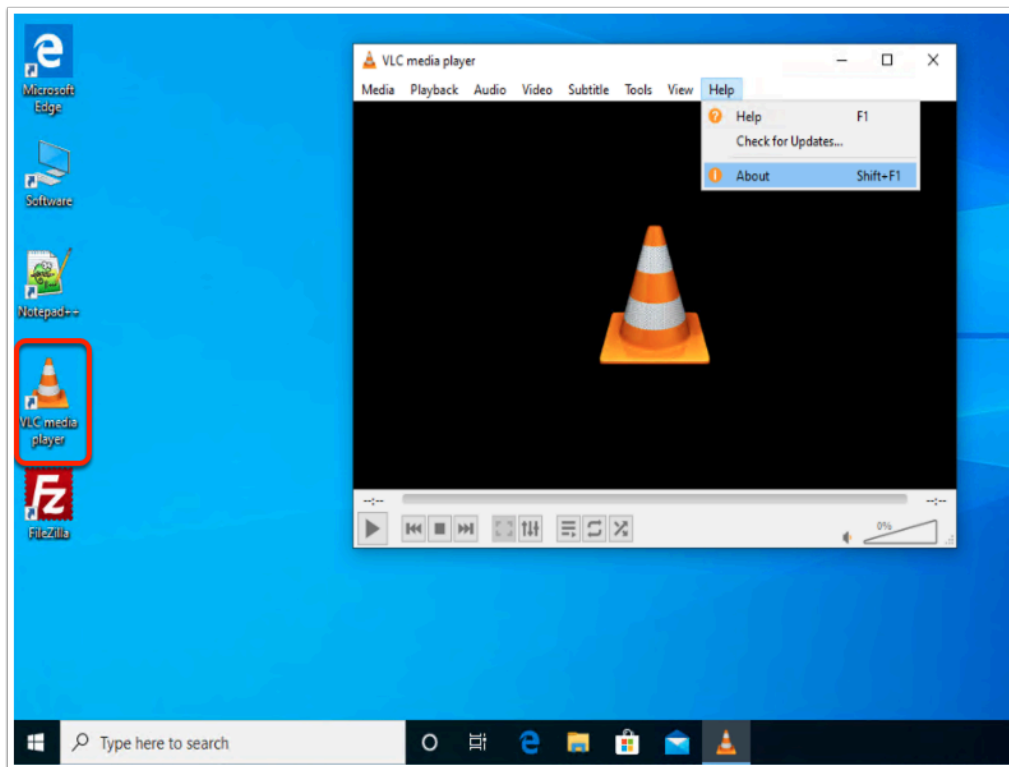
- Under **VLC UPDATE** select **VIEW**



5. Under the **Workflows > VLC UPDATE** page,
 - Select the **Activity** tab



6. In the **Workflows > VLC Update** window
 - Select the **Activity** tab,
 - Check and refresh the **Activity** window until you see an install action show up as **COMPLETED**



7. Switch back to your Windows 10 vm remote desktop session:
 - From your desktop, select the **VLC media player shortcut**
 - You will notice, at first launch, configuration completes
 - In the VLC window go to **Help > About**



8. In the **VLC About** window

- Observe the version number, It should match the screenshot,
- If It does your **VLC Media player** application has been updated successfully.