Integration of Workspace ONE with Horizon Cloud

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What is Workspace One?

- VMware Workspace ONE is a simple and secure enterprise platform that delivers and manages any app on any device by integrating identity, applications, and enterprise mobility management.

- It begins with consumer grade self-service, single sign-on access to cloud, mobile, and Windows apps and includes powerfully integrated email, calendar, file and collaboration tools that engage employees.

- The Workspace ONE app itself may be downloaded from the Apple App Store, Google Play or Microsoft Store where an employee can then log-in and gain access to applications based on the policies set for those apps.

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What is Horizon Cloud?

- VMware Horizon Cloud enables the delivery of cloud-hosted virtual desktops and applications to any device, anywhere, from a single cloud control plane.

- Horizon Cloud uses a purpose built cloud platform that is scalable across multiple deployment options, including fully managed infrastructure from VMware and public cloud infrastructure from Microsoft Azure.

- Virtual desktops and hosted apps reside in the cloud or on-premises (depending on the companies needs/desires) and IT can easily manage these using existing skills and tools.

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VMware Identity Manager

- VMware Identity Manager is an identify as a service (ISaaS) offering that provides single sign-on (SSO) capabilities and user-based controls for web, cloud and mobile applications.

- The identity management offering provides SSO access to any application from any device based on the policies created by the IT department.

- With VMware Identity Manager, administrators give employees a way to access a self-service catalog of approved applications and desktops in a secure manner from a variety of devices. It eliminates the possibility for employees to sign on from unsecure devices and accessing important/confidential documents and information.

Creating a Virtual App in Identity Manager

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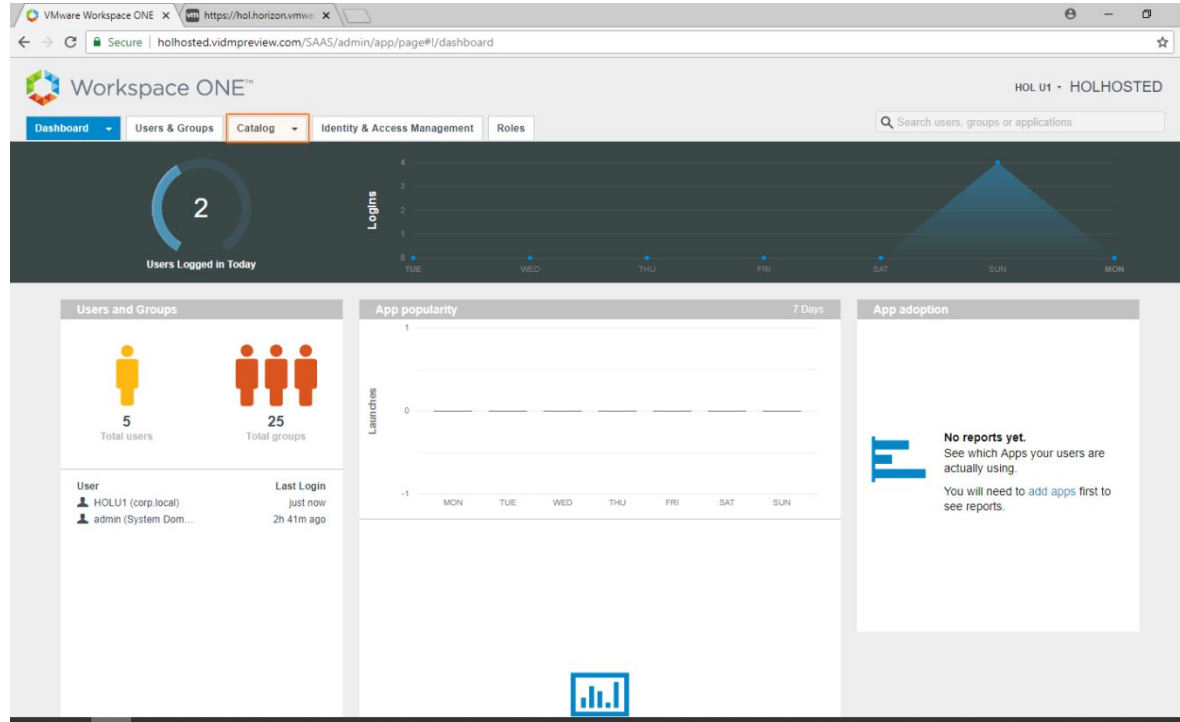
Click on the Catalog tab, then click on the Virtual Apps drop down

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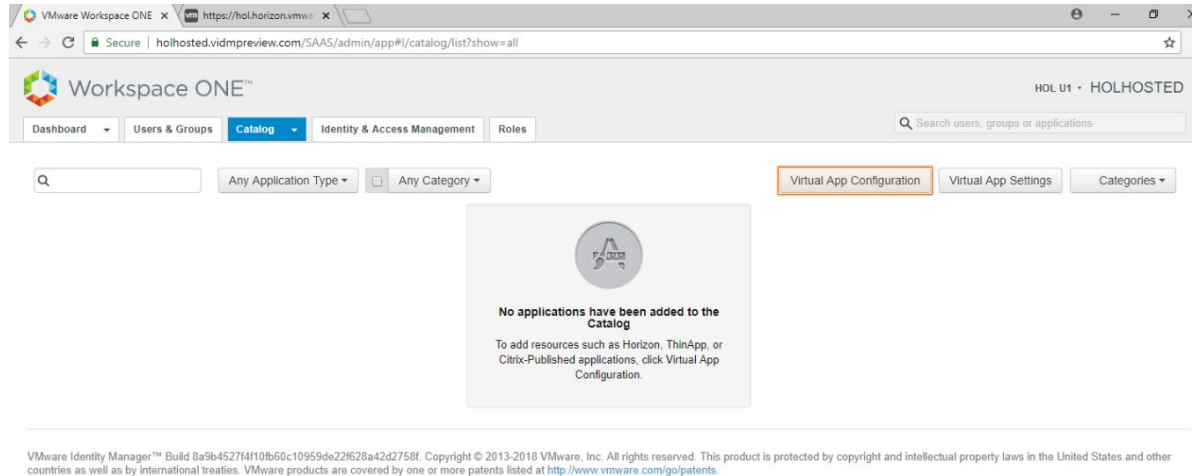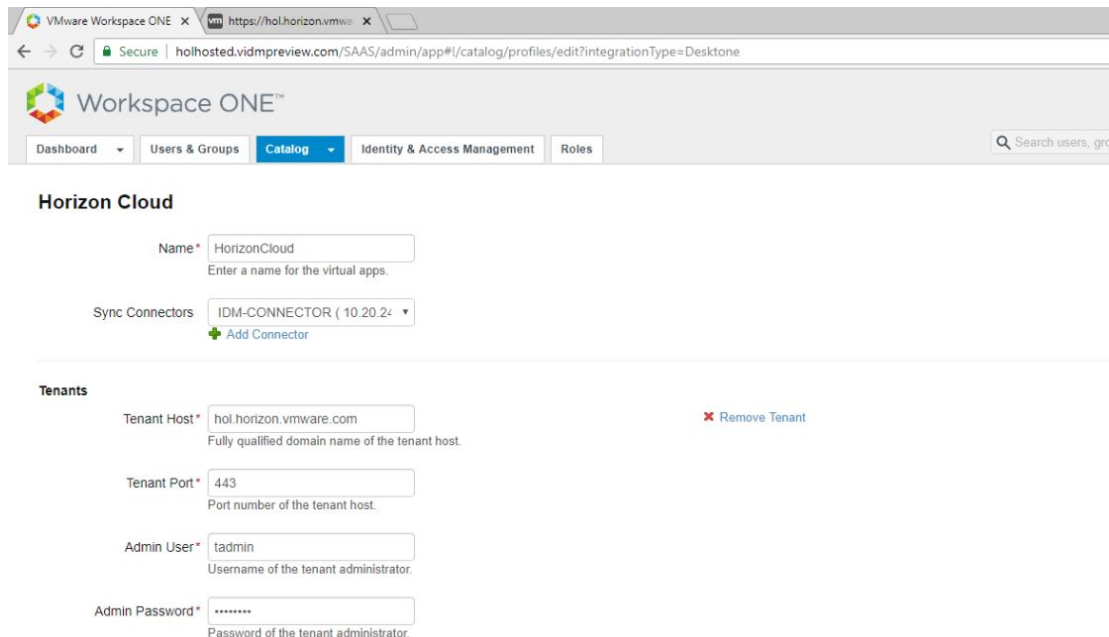
Click on Virtual App Configuration

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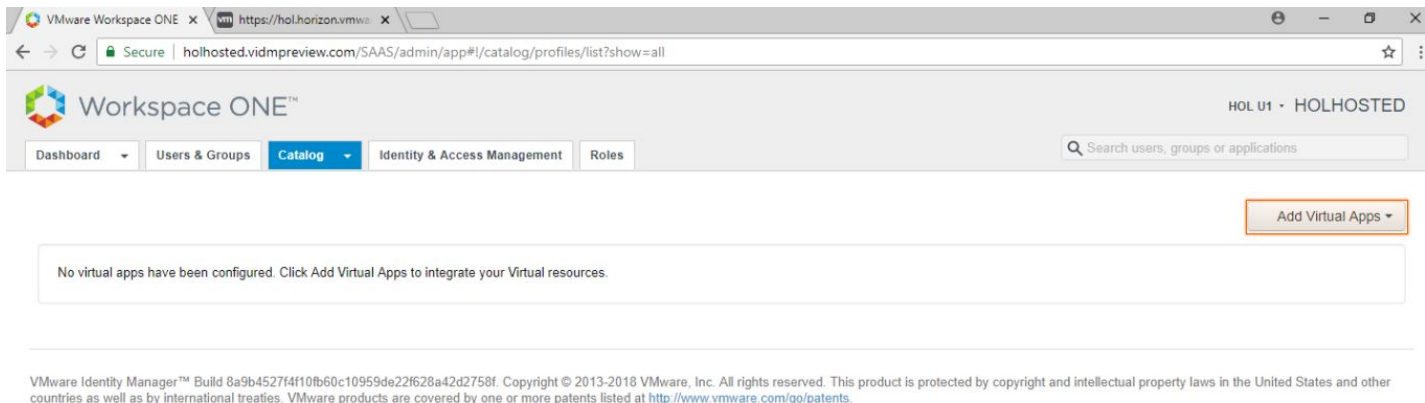
Click Add Virtual Apps, then click Horizon Cloud on the drop down

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Click in the Name Field: type HorizonCloud
Click in Tenant Host Field: type hol.horizon.vmware.com
Click in Admin User Field: type tadmin and enter the password below

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Click in Admin Domain Field: type corp
Click in Assertion Consumer Service URL field:https://hol.horizon.vmware.com
Click in Default Launch Client Field: Click on Browser
Click in Sync Frequency Field: Click Hourly
Finally click Save

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Click Sync in order to run the configurations that were just implemented

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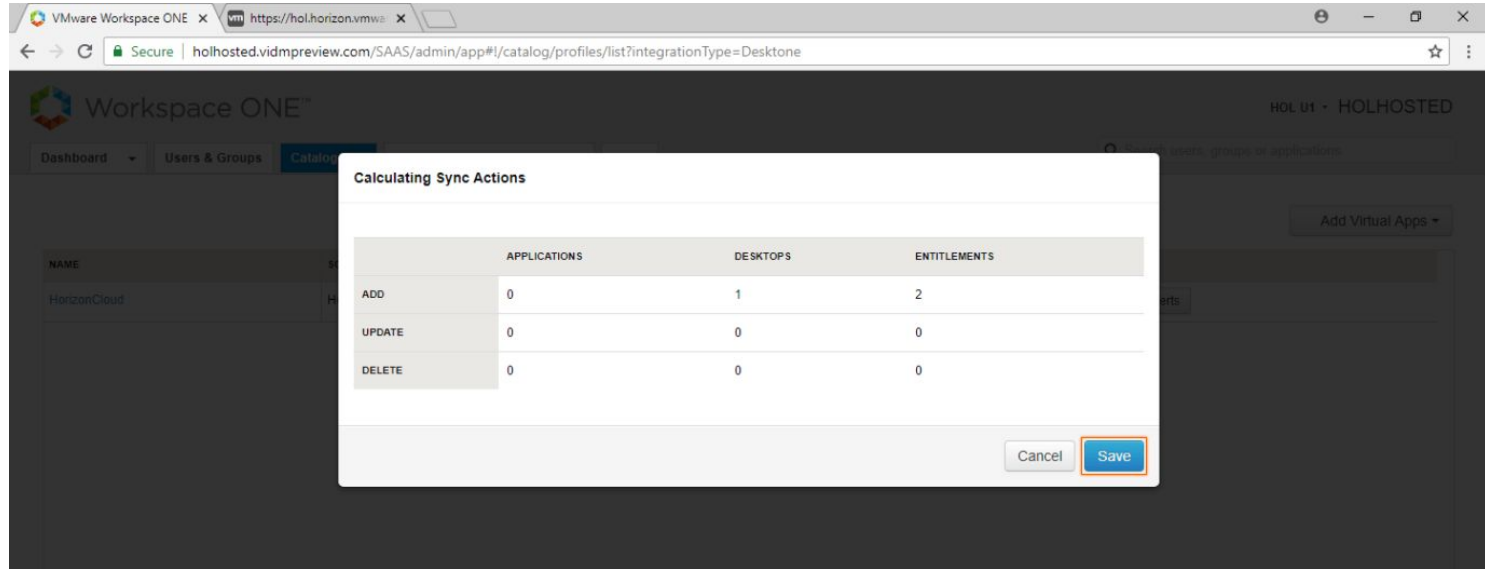
Click Save to finalize your synced configurations

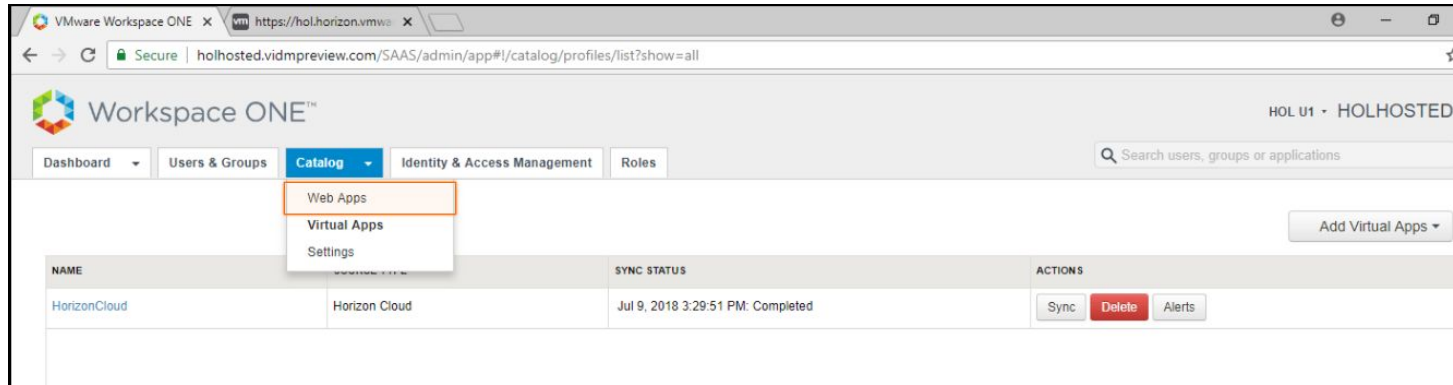# Integration of Workspace ONE with Horizon Cloud

Horizon idP

- Horizon Identity Provider (idP) is the service that stores information about users and groups within your Workspace One environment

- IdP discovery matches users from specific IP addresses with their corresponding identity providers (Connector instances).

- Though different users are directed to different Connector instances, you provide all users with a single Horizon Workspace URL since IdP discovery does the work behind the scenes to locate the appropriate Connector instance.
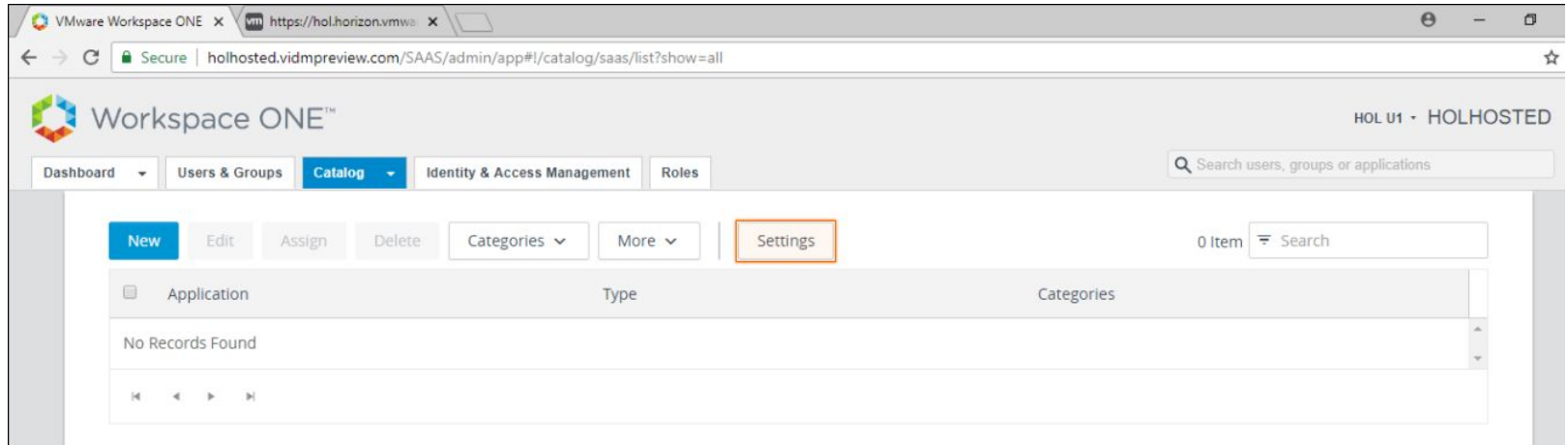
Setting up Horizon idP

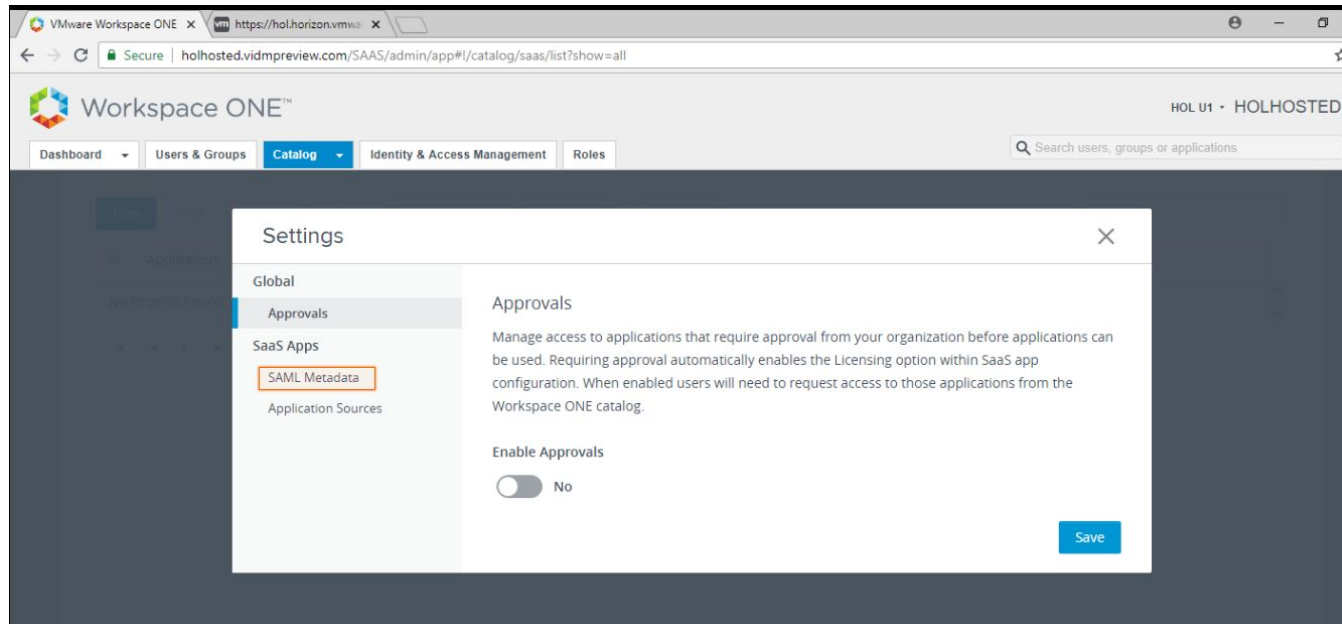# Integration of Workspace ONE with Horizon Cloud

Click Catalog: within the drop down select Web Apps
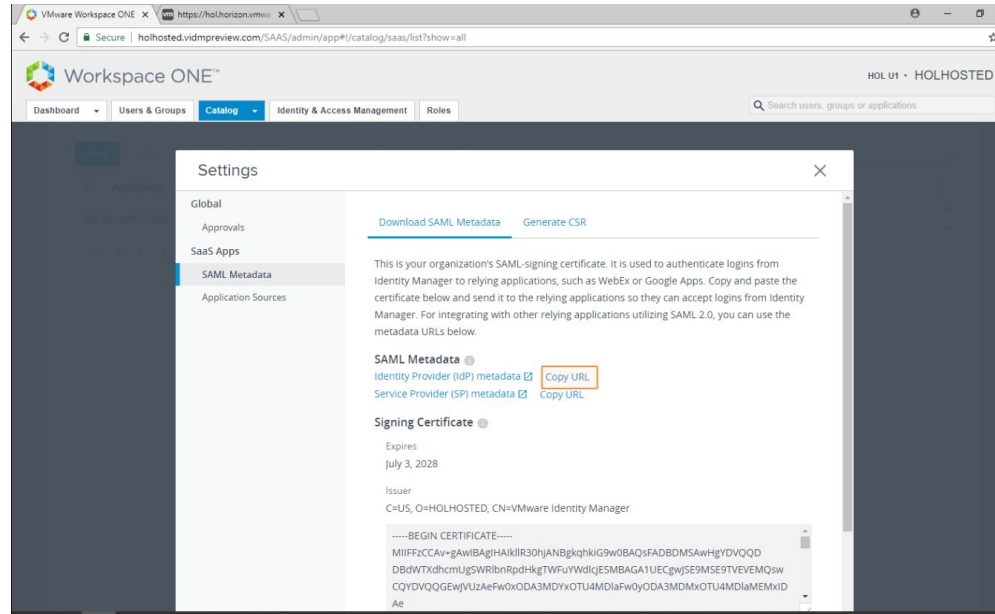
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Click Settings

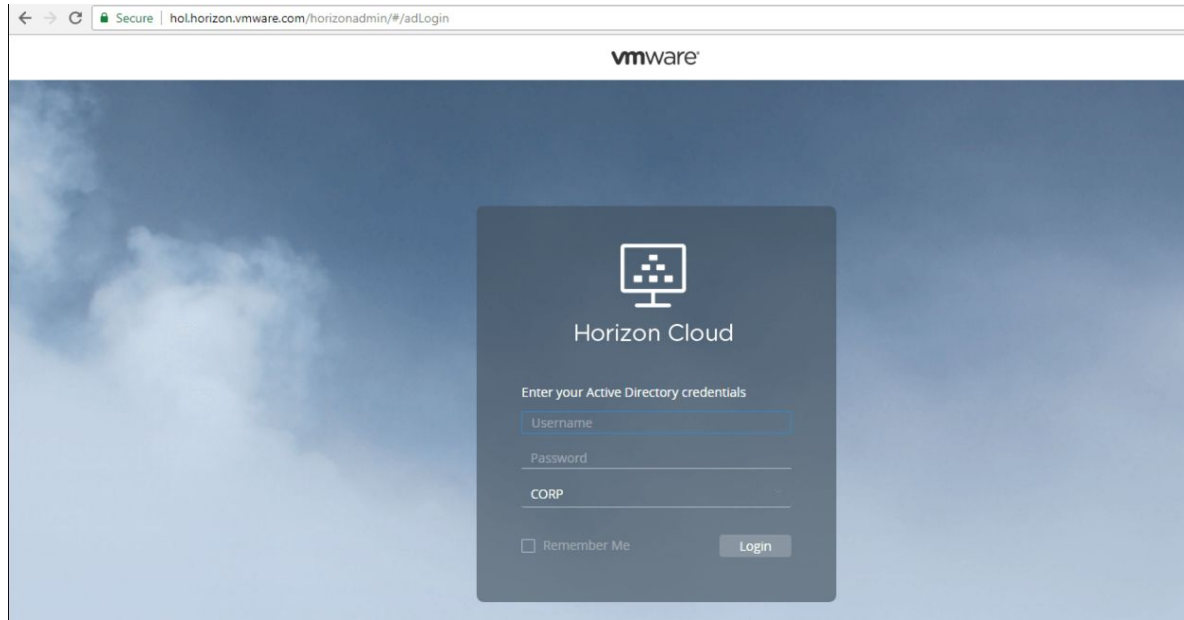# Integration of Workspace ONE with Horizon Cloud

Click SAML Metadata
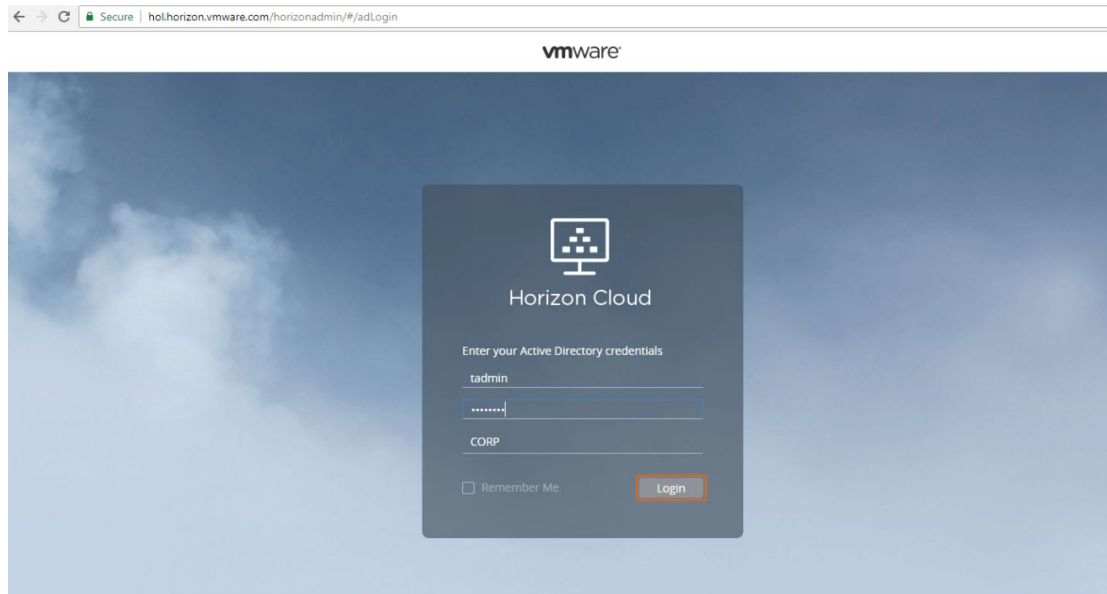
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Click Copy URL next to Identity Provider (idP) metadata
Next click the x to close the window

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Open a new browser and type in the Assertion Consumer Service URL that was previously entered during the Virtual App set up
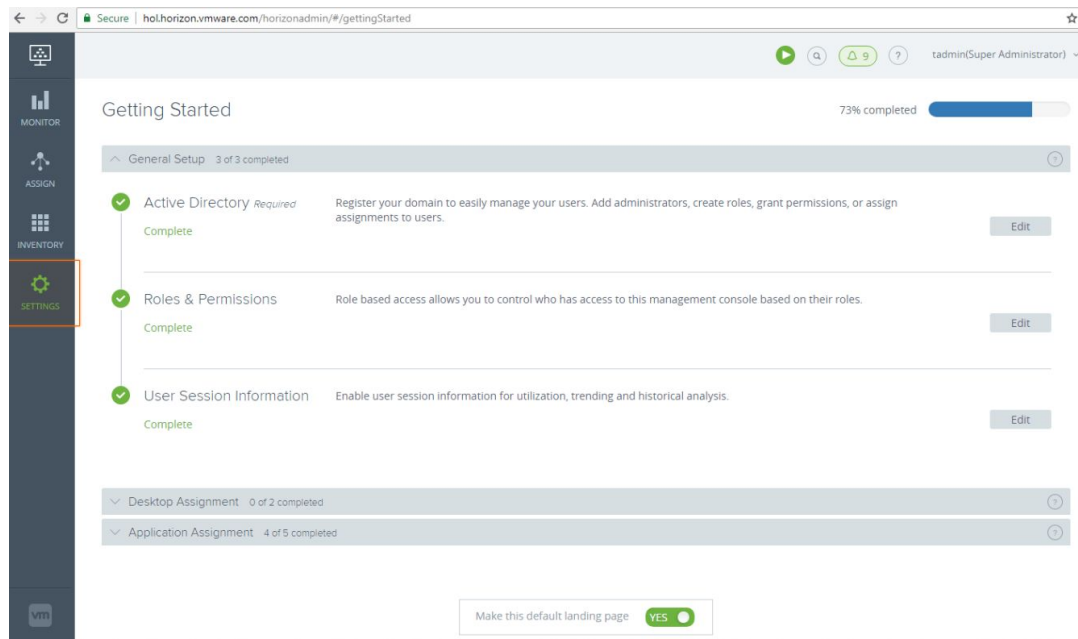
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These credentials are what we created within the Virtual App in Identity Manager

Click in Username Field: type tadmin
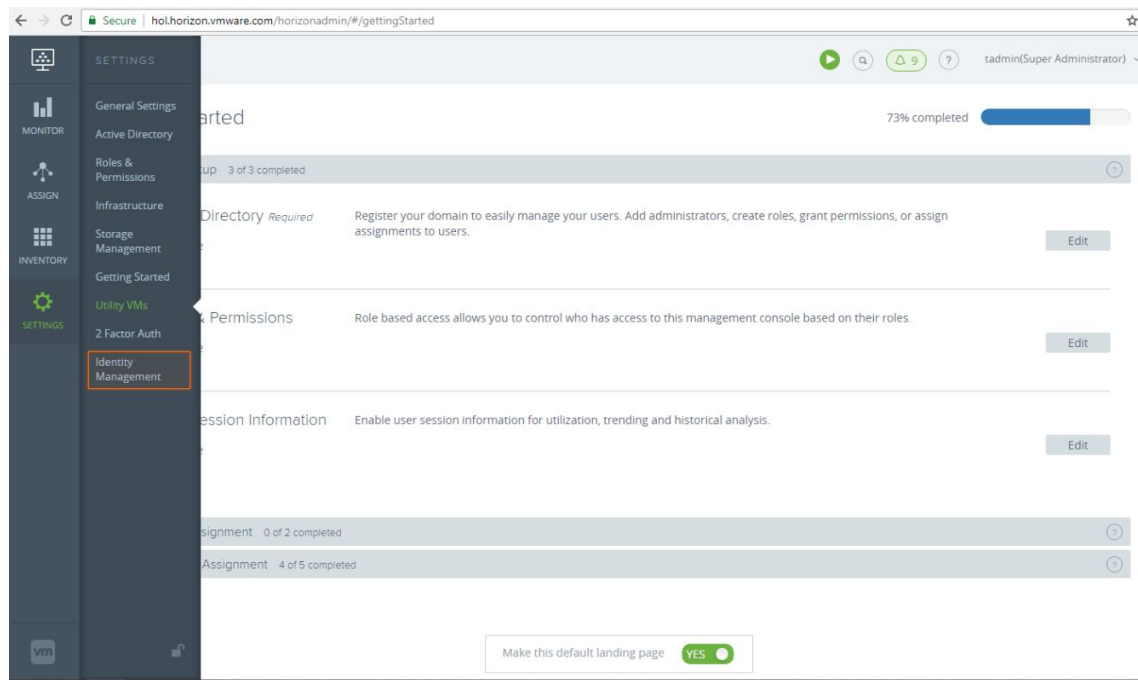Click in Password Field: type VMware1!
Then click Login

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As you can see in the top right we are signed in and have Super Administrator rights; which enables us to see all these options in the user interface
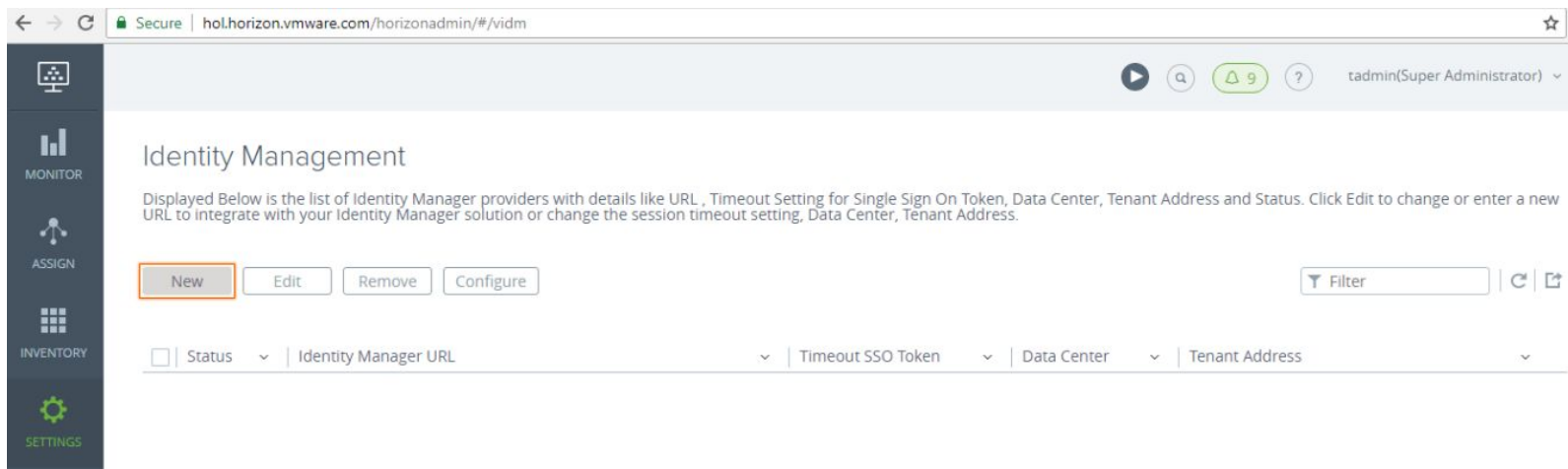
Click Settings

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Click Identity Management

Clicking the Settings sprocket brings up a settings panel with a multitude of options

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Click New

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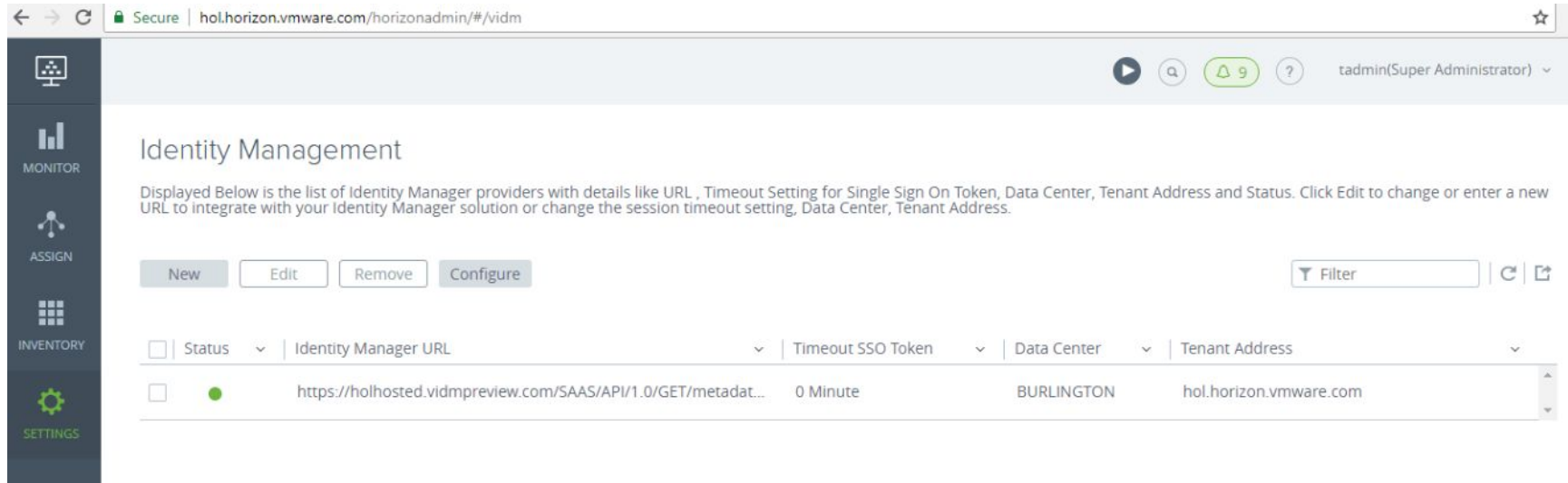

Click in VMware Identity Manager URL field:
Type https://holhosted.vidmpreview.com/SAAS/API/1.0/GET/metadata/idp.xml
Click in Timeout SSO Token Field: Type 0
Click in Tenant Address Field: Type hol.horizon.vmware.com
Click Save and note the green status
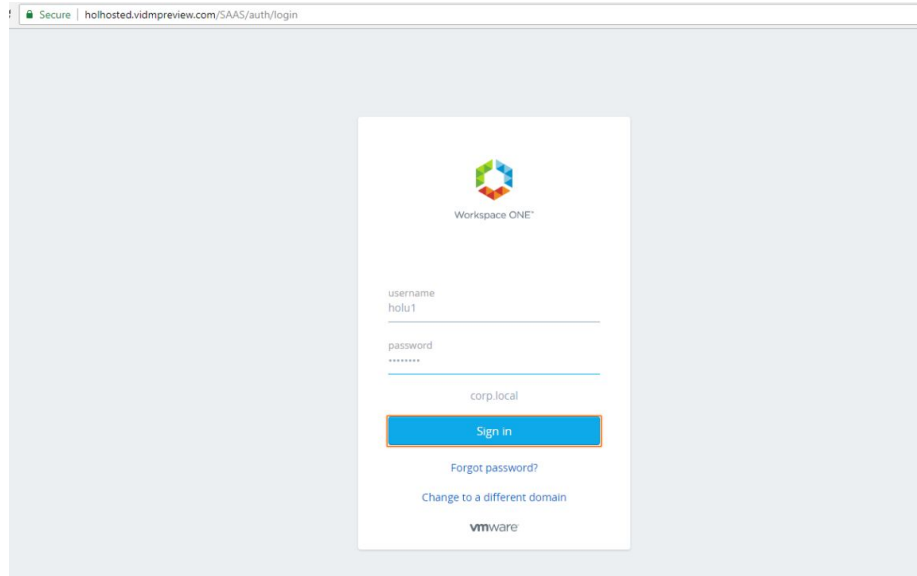
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After clicking save, here is the outcome above
You can see the green dot under status indicating the Identity Management provider
that was just set up is in an active state

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This was where we first created a Virtual App in Identity Manager

Navigate back to Workspace ONE
Click in the Username Field: type holu1
Click in the Password Field: type VMware1!
Click Sign In

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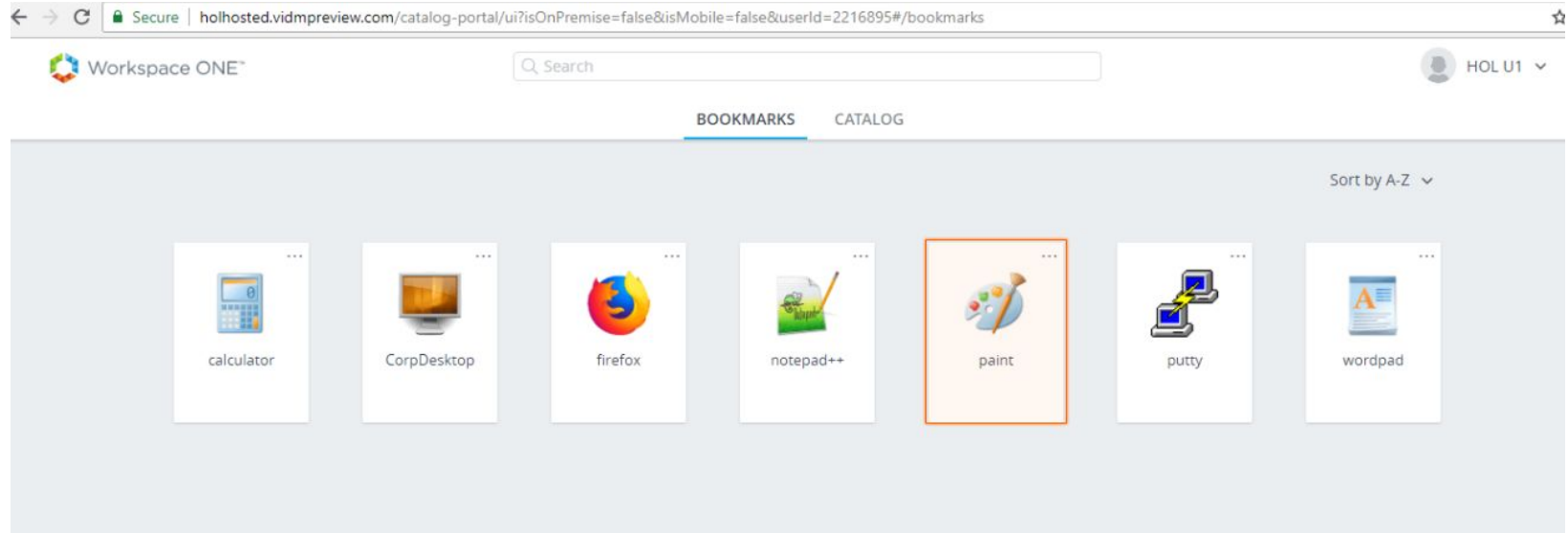
Click on Paint and the application launches from Workspace One

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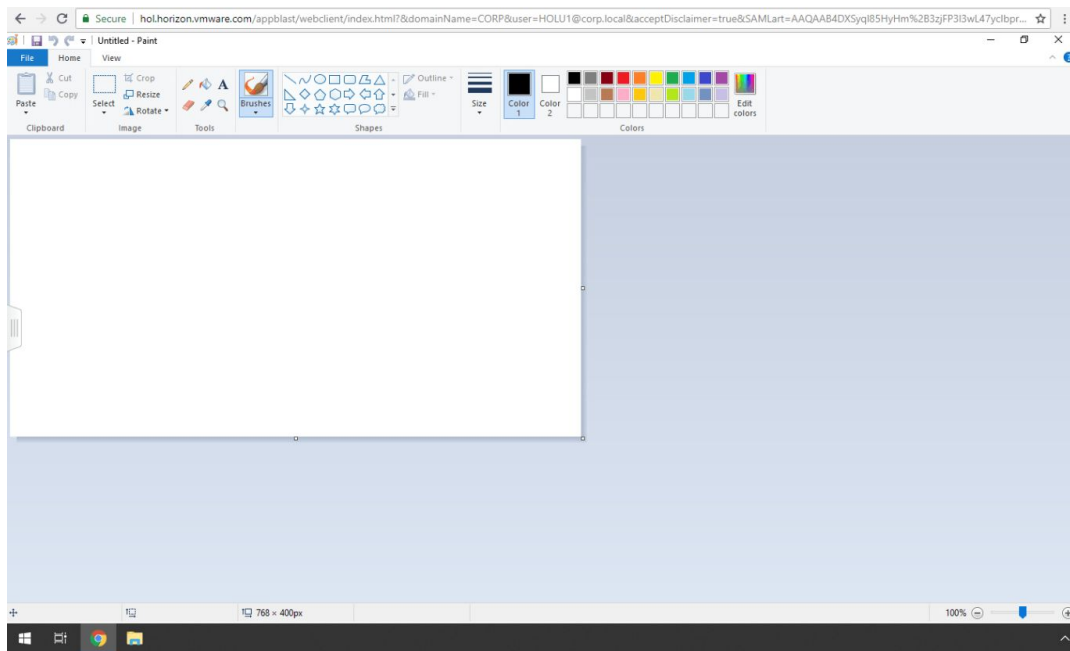
Paint was able to be launched from Workspace ONE by a regular non administrative user. Displaying the power of the integration of Workspace One with Horizon Cloud

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Work Cited:

http://docs.hol.vmware.com/hol-isim/HOL-2019/hol-1855-01-horizoncloud.htm

https://searchvmware.techtarget.com/definition/VMware-Identity-Manager

https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/workspace-one/vmware-workspace-one-faq.pdf

https://www.vmware.com/products/horizon-cloud-virtual-desktops.html

https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/horizon-cloud-on-premises/vmware-horizon-cloud-faq.pdf

https://pubs.vmware.com/horizon-workspace-10/index.jsp?topic=%2Fcom.vmware.hs-install.doc_10%2FGUID-146948F1-8E62-48EF-95C2-EDA03CB94560.html

https://docs.openstack.org/keystone/pike/advanced-topics/federation/configure_federation.html