Enhance the Digital Workplace Experience using SAP Work Zone - Setup and configure SAP Work Zone

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This blog series will cover some of the key concepts of SAP Work Zone and will also help you familiarize with the steps required to setup SAP Work Zone and integrate it with UI Cards and applications.

Enhance the Digital Workplace
Experience using SAP Work Zone

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Zone

Part 2 - SAP Work Zone Overview and
Components

Part 3 - Developing SAP UI Cards that
render SAP business data within SAP
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Part 4 - Developing SAP UI Cards that
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This blog post will guide you through the steps to setup your own SAP Work Zone tenant. Unlike other services on SAP Cloud Platform which can be enabled with a click of a button, Work Zone requires few steps to be performed - though majority of the steps have been automated using boosters (which I will explain below). Remember that Work Zone is a collection of different services like Launchpad/SAP Jam/Workflow etc and hence its absolutely required to have an Identity Authentication Service (IAS) and Identity Provisioning Service (IPS) to ensure all these services can work internally in a seamless fashion.

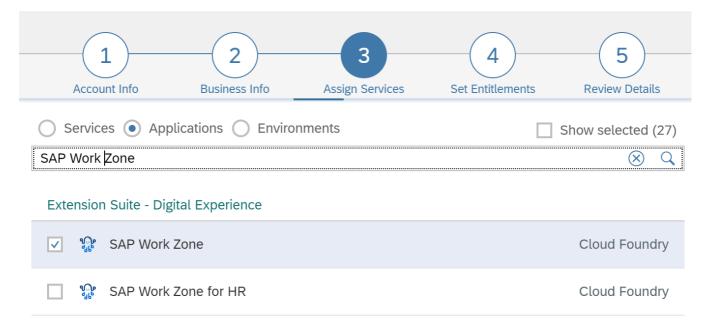
The steps which I am going to show assume that you are looking to setup a fresh SAP Work Zone tenant without the need to migrate an existing SAP Jam tenant. The SAP Help documentation clearly outlines the steps and please refer to this documentation for updates (as this blog post could be outdated and I wouldn't be necessarily updating it). The Help documentation has been updated to show the IPS source + target system transformation setups to be used which for instance take care of automatic assignment of administrator permissions.

Pre-requisites:

· Access to SAP Cloud Platform Account:

Use SAP Control Center to provision SAP Cloud Platform with required entitlements.

Edit Global Account | Live



• Access to Cloud Identity Services:

Cloud Identity Services provides access to IAS and IPS. Create a request for a tenant using the SCI Tenant Registration app. Ensure you select Landscape as "QA" and Tenant Type as "Test". At the time of writing this blog post, this was a requirement to enable IPS also in the same IAM tenant.

Once your IAS is provisioned, you will get an email to activate the account. Next, you need to raise an Internal Incident to enable IPS on this IAM tenant. (Component BC-IAM-IPS)

To access IAS, you would use the below URL:

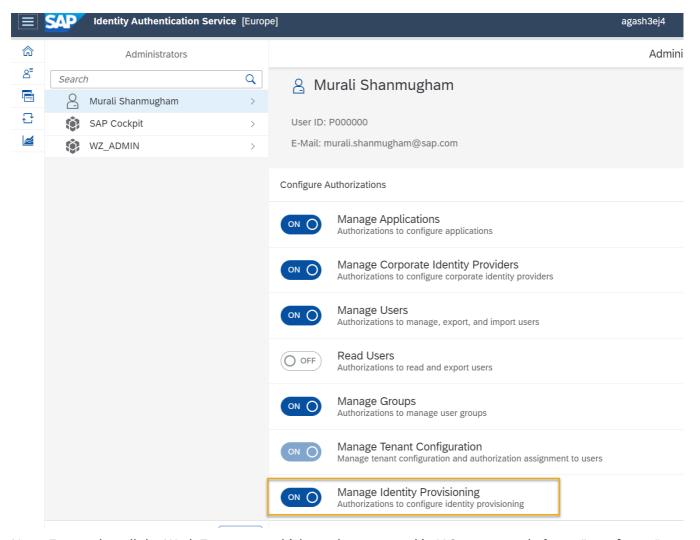
URL pattern: https://<tenant_id>.accounts400.ondemand.com/admin

To access IPS, you would use the below URL:

URL pattern: https://<tenant_id>.accounts400.ondemand.com/ips

Within your IAS > Administrators menu, ensure your admin user has the below authorizations. This grants the IPS_Admin role to the admin to make configurations in IPS.

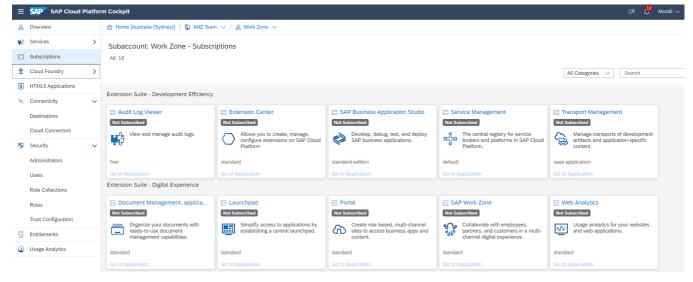
More details on SAP Help documentation.



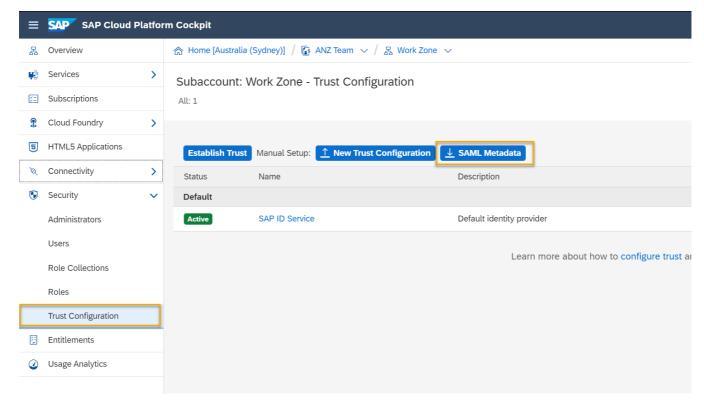
Note: Ensure that all the Work Zone users which you have created in IAS are created of type "employee".

Configure trust between SAP Cloud Platform and IAS

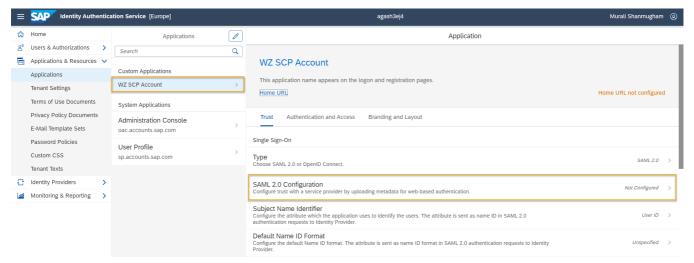
Using the Control Center, I was able to provision a SAP Cloud Platform account. As you can see below, it has the entitlements for SAP Work Zone and few other services like Business Application Studio etc.



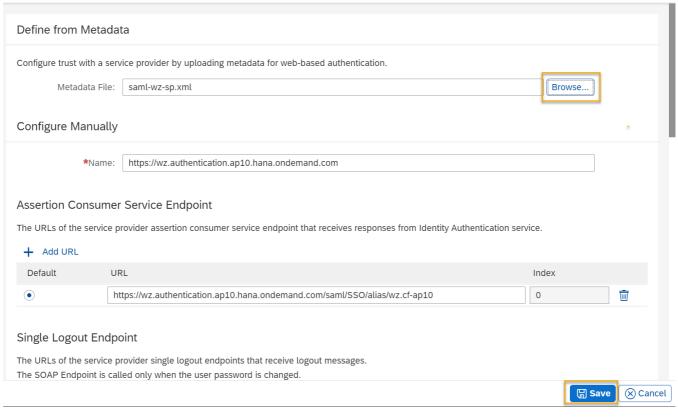
In the trust configuration, download the "SAML Metadata". This is required to setup the trust with IAS in the next step.



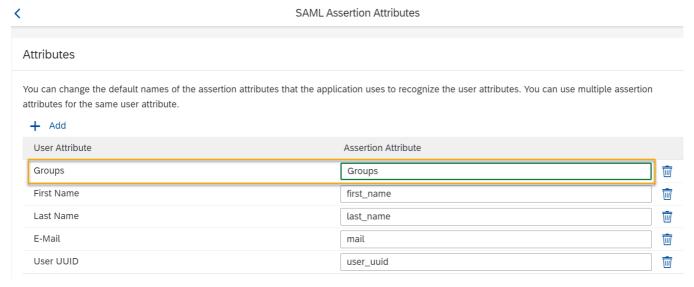
Navigate your IAS > Applications and create a new application. I have used the name "WZ SCP Account". In the Trust settings for this new applications, navigate toe "SAML 2.0 Configuration"



Upload the metadata file which you had downloaded earlier from SAP Cloud Platform subaccount and save your changes.

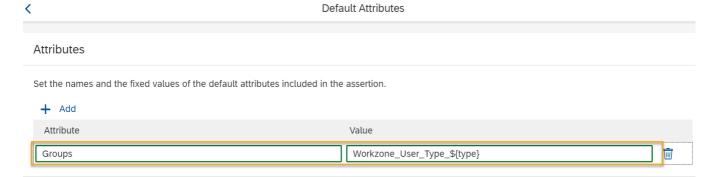


In the SAML Assertion attributes, add a new attribute called "Groups". Ensure that it starts with an uppercase.

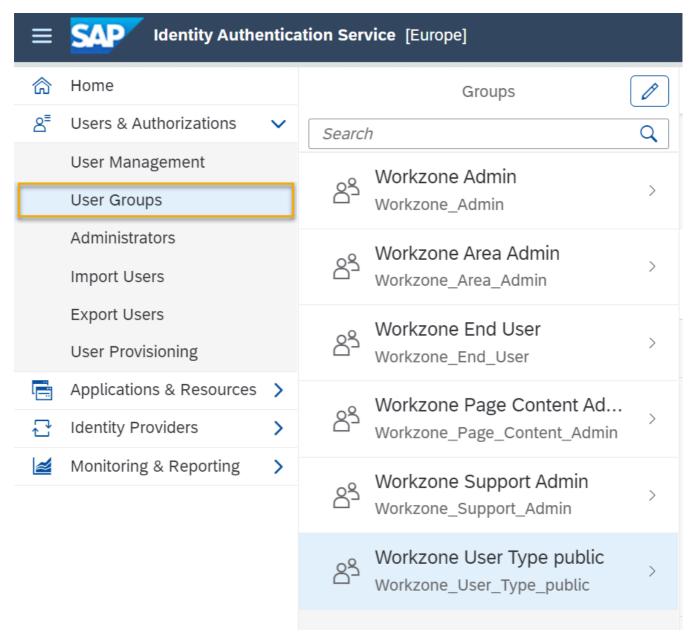


Similarly, in the Default attributes section, add the Group attribute with the value

"Workzone_User_Type_\${type}".

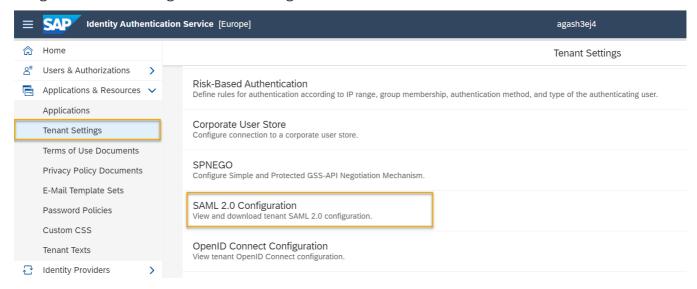


This completes the setup of the new application in IAS. Navigate to the User Groups menu and add the below Work Zone groups. Users will be assigned to the respective groups to control the level of access within Work Zone.



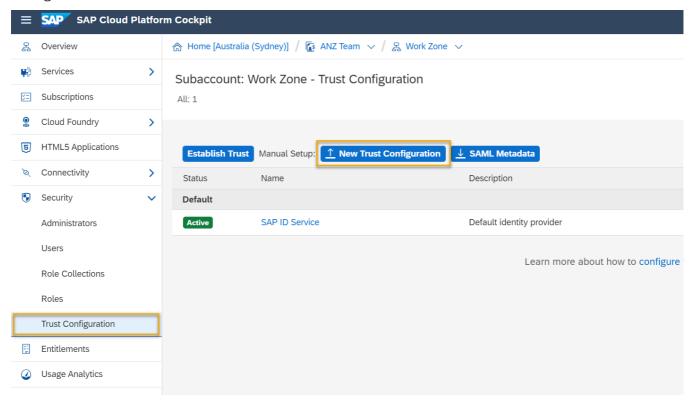
Assign the Workzone_Admin role to your user in the User Management.

The next task is to setup the trust on the SAP Cloud Platform side. To obtain the metadata file from IAS, navigate to Tenant Settings > SAMI 2.0 configurations to download the metadata file.



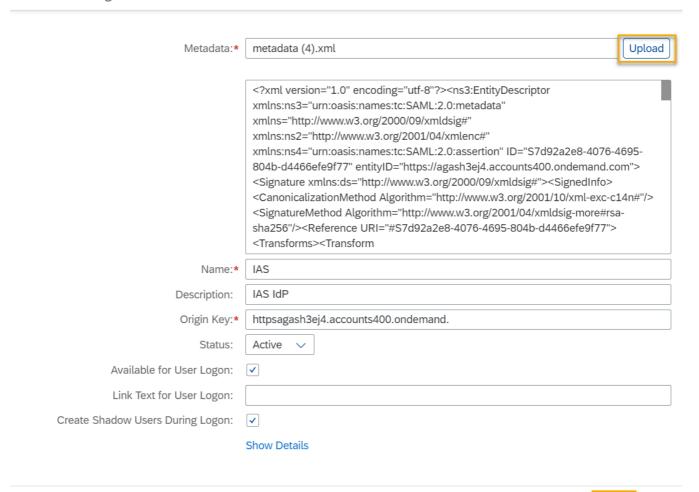
Switch you your SAP Cloud Platform Trust Configuration. Notice that by default it has the SAP ID servie which will enable users to access the applications using S/P/I/C user IDs. Click on the "New Trust

Configuration" button.



Upload the metadata file which you downloaded earlier from IAS. Provide a meaningful name and description and save your changes.

New Trust Configuration



Its important to turn off the SAP ID service once you have configured trust with IAS and activated it. Use the Pencil icon to edit the settings.

Save

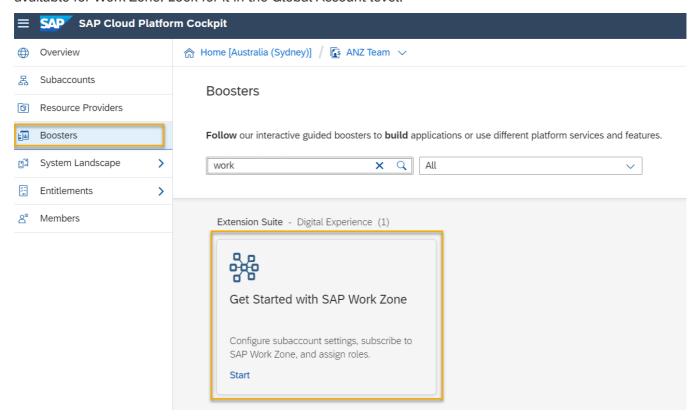
Parse

Cancel

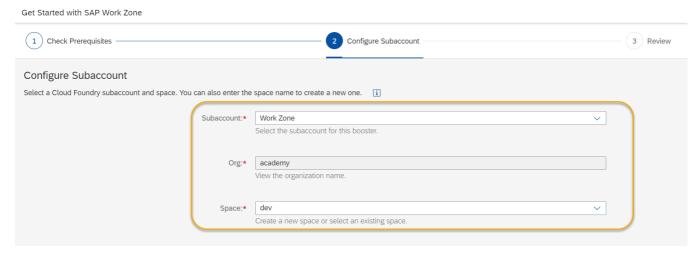


Setup of Work Zone using Boosters

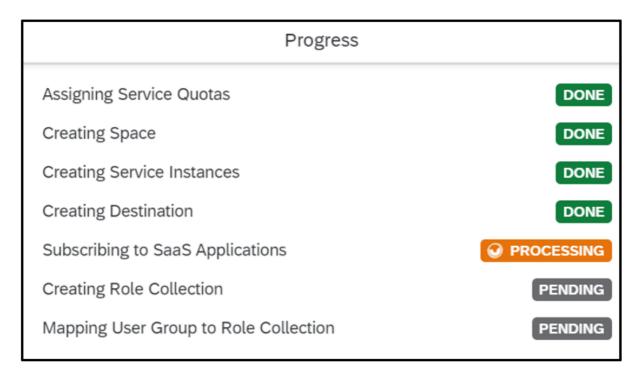
Boosters are one of the cool features of SAP Cloud Platform which helps our customers to get started with different use cases like Workflows, Mobile Cards, AI Business services etc. Good to see a booster also available for Work Zone. Look for it in the Global Account level.



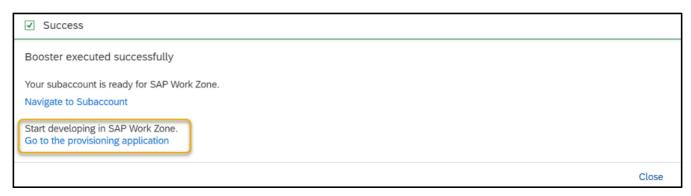
Just follow up the prompts provided by the wizard. In this case, it asks the details of the subaccount which you have already prepared (using the above instructions)



The booster will automatically create the relevant artefacts like destinations, role collections etc and save us from manually performing those configurations.



At the end, you will get a popup with a success message. From here, you can navigate directly to the Work Zone application.



SAP Work Zone Configurator:

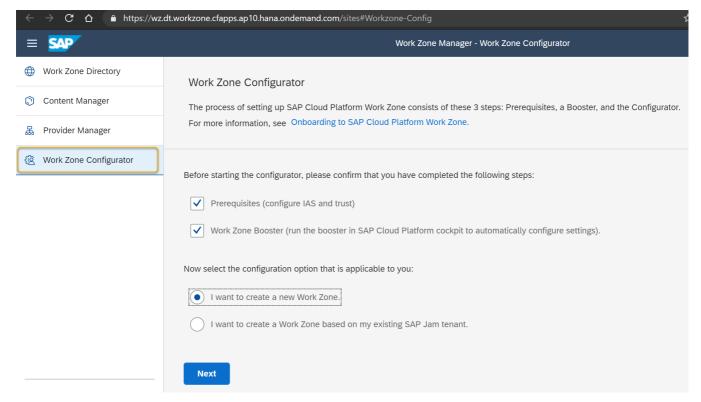
The configurations are not done yet. We still have few more things to do before we could use start using Work Zone.

Work Zone leverages SAP Jam for the collaboration aspects. As most of you might know, it has its own user management. Hence, we need to setup trust with IAS again and also configure IPS to provision users (from IAS to Work Zone)

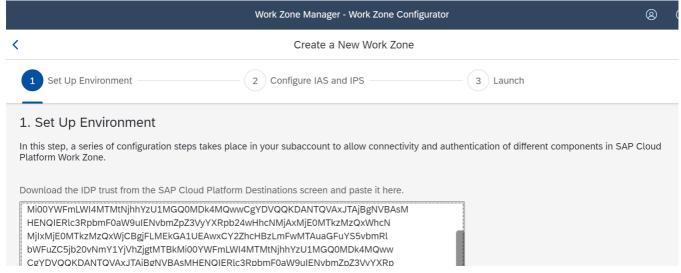
When you try to access the Work Zone application from the previous step, it would take you to the Work Zone Configurator. It has the below URL Pattern

https://[subaccount_specific].dt.workzone.cfapps.sap.hana.ondemand.com/sites#Workzone-Config

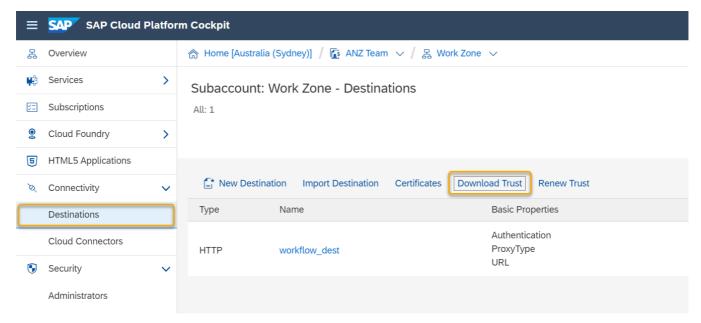
There are few steps which have been automated here and many still need to be done manually. The SAP Help documentation was clear in most of the places.



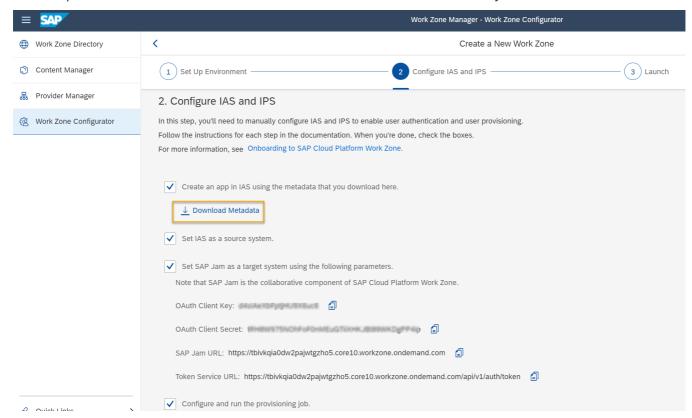
Trigger the wizard by selecting the relevant options. In the "Set Up Environment", you will need to copy paste the IdP trust token as shown below.



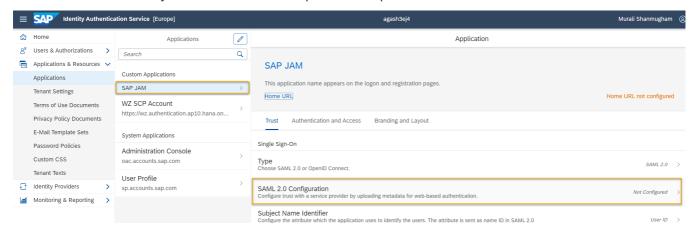
This can be obtained from the destination menu within the subaccount. Click on "Download Trust". While copying the token, ignore the header and footer.



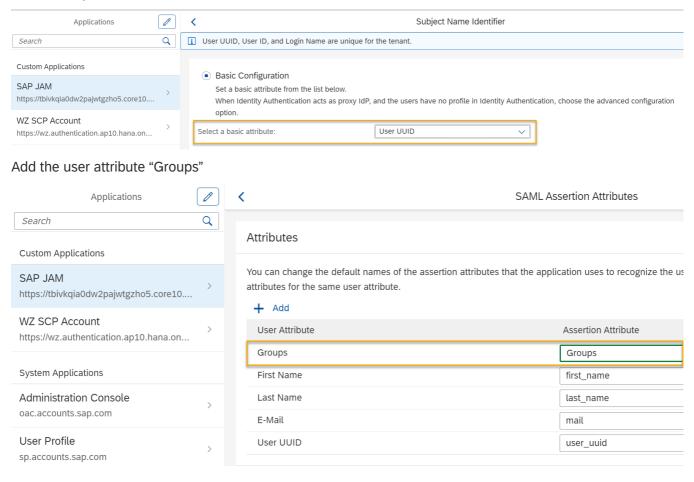
The next steps is to configure trust with IAS and setup IPS for provisioning users. Download the metadata which is provided here. Make a note of the SAP Jam URL and OAuth Client Key/Secrets.



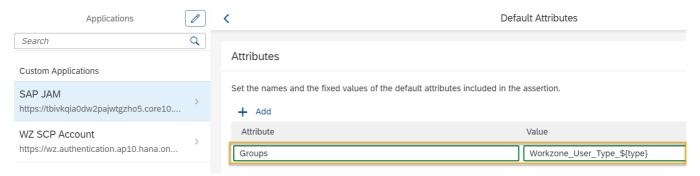
Switch back to IAS > Applications and create a new application. I have given the name "SAP Jam". Similar to the previous application configuration, navigate to the SAML 2.0 configuration in the Trust settings and import the metadata file which you downloaded in the previous step.



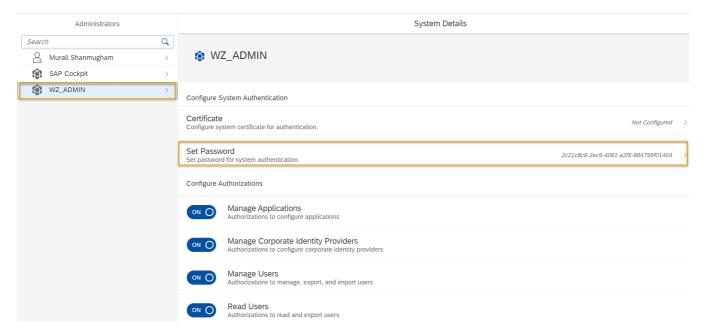
Set the Subject Name Identifier to User UUID as shown below.



Set the default attribute Groups with the value Workzone_User_Type_\${type}



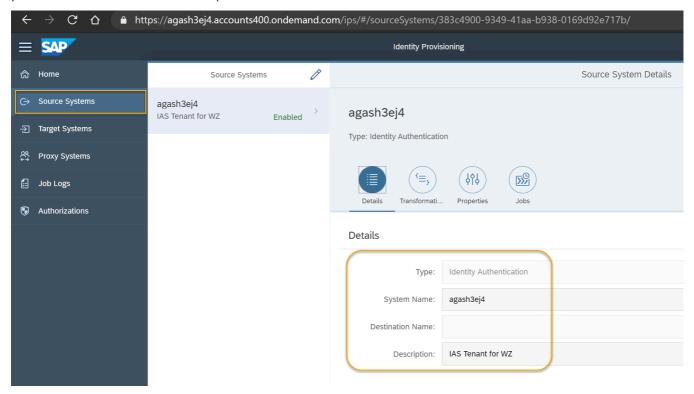
We need to create a technical user to communicate between IAS and IPS. Navigate to IAS > Administrators and create a user of type "System". Provide a BASIC Authentication and make a note of the User ID and password.



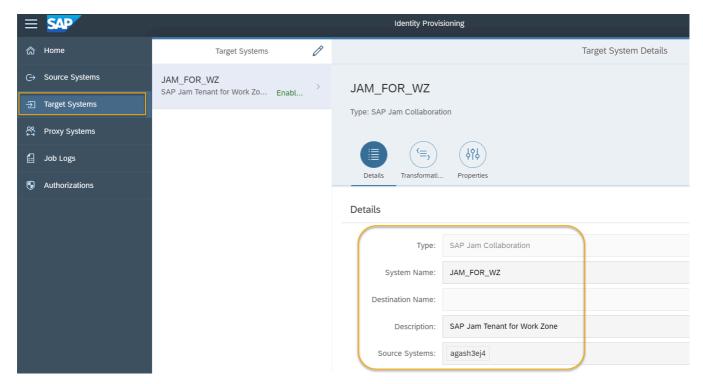
Launch the IPS service to configure the Source and Target systems.

Remember the URL pattern to launch IPS: https://<tenant_id>.accounts400.ondemand.com/ips

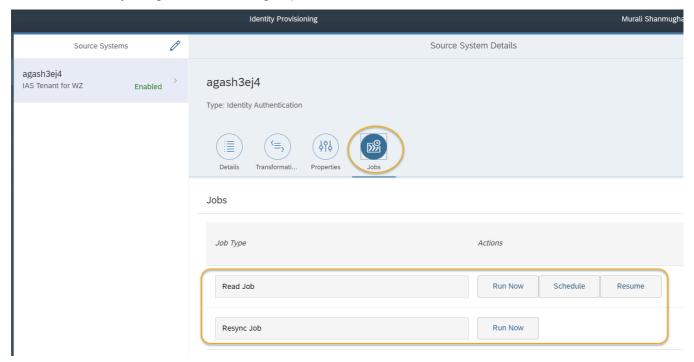
In the Source Systems, create an entry for Identity Authentication. Populate the properties as provided in this Help page. I didn't bother using any of the optional properties. When adding the properties for passwords – use the credential option.



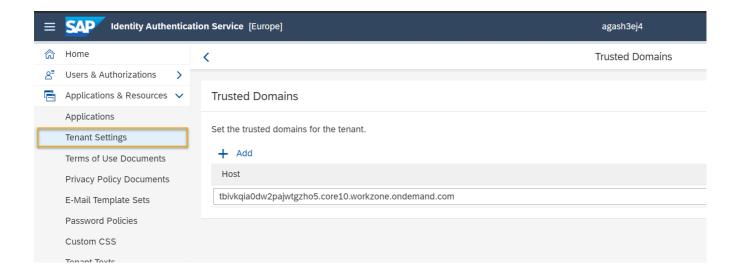
In the Target Systems, create an entry for "SAP Work Zone". Maintain the properties for this target system as per this onboarding Help page. After saving your Source and Target systems, its time up update the transformations within each of them. Refer to the same onboarding Help page to copy the snippets to source and target systems. Please note that the below screenshot is outdated and you need to select SAP Work Zone as the target system



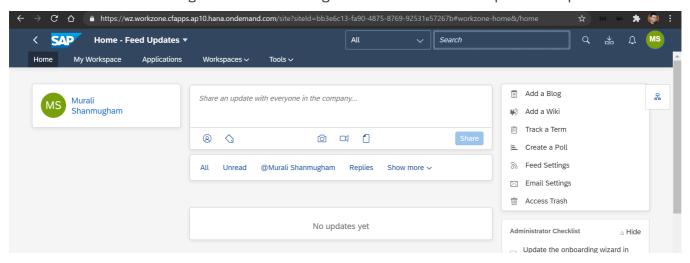
This completes the setup of IPS. To trigger to replication of users into Work Zone with their respective role assignments, trigger the job from the source system. Click on "Run Now" form the Read Job. You should be able to see in the job logs the users and groups read and written to Work Zone.



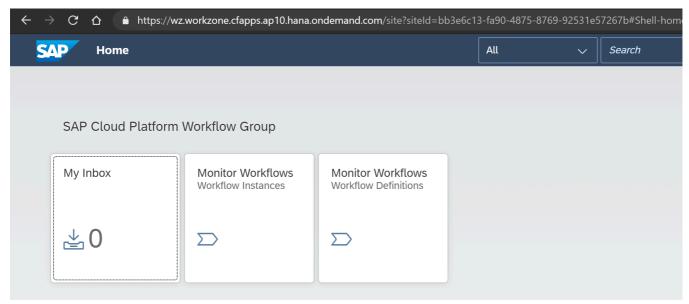
Before testing your access in Work Zone, ensure you add the SAP JAM URL in the trusted domain of IAS. This is enable Work Zone to embed SAP Jam contents (within iFrames/overlays)



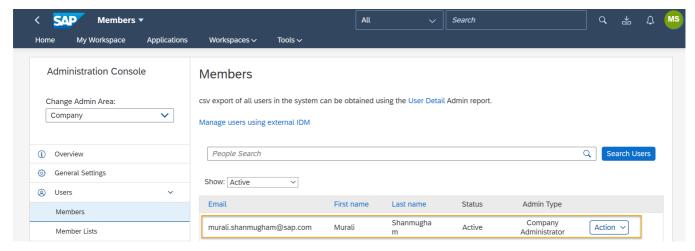
You should be now able to login to Work Zone using the IAS credentials and explore the capabilities.



The Fiori Launchpad will also be available in the Applications menu.



The users created in IAS will be replicated and visible within Work Zone (Administration Console) as shown below. Since I have assigned myself to Work Zone Admin role in IAS, it maps to the Company Administrator role within Work Zone.



Stay tuned for more blog posts on how to configure SAP Work Zone with UI Cards and Workflow applications.

PS: To demonstrate SAP Work Zone to customers/partners, please use the demo 16520.

Other related blog posts:

SAP Work Zone Overview and Components