WALLIX
CYBERSECURITY SIMPLIFIED

WALLIX - OKTA
LDAP AND RADIUS AUTHENTICATION

INTEGRATION GUIDE

November 2020

WALLIX
250 bis rue du Faubourg Saint-Honoré 75008 Paris
Tel : +33 1 53 42 12 90 - SARL au capital de 50 000 Euros – RCS PARIS B 450 401 153 – FBR67 450 401 153

VERSION	**1.0**

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Date: 23/11/2020

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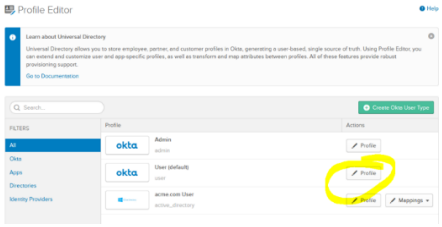
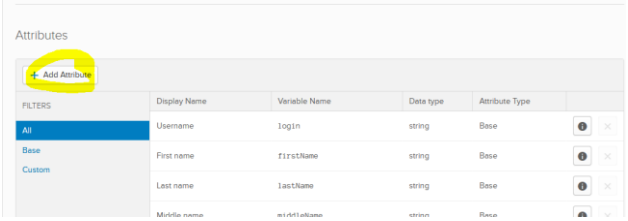
Integration of OKTA LDPA with the WALLIX Bastion

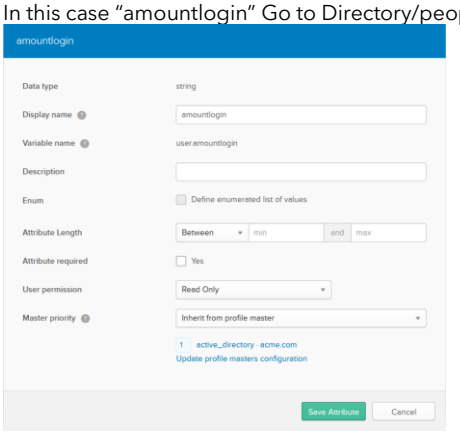
When integrating the Okta LDAP with the bastion you must use DNS with the full FDQN i.e. wallixacme.ldap.okta.com
PORT Either StartTLS 389 or SSL 939 will work and a certificate is not needed
Base DN Ensure you add dc=octa i.e dc=wallixacme,dc=okta,dc=com

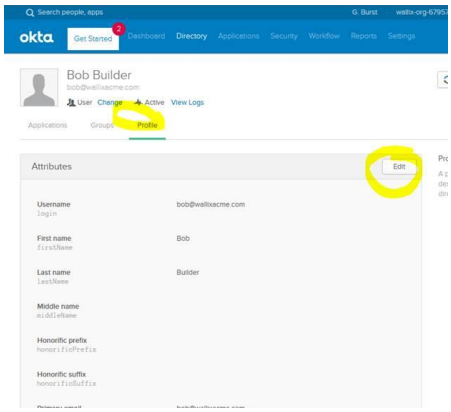
Login Attribute this needs changing and it is best to start with the Profile configuration via Octa Directory /Profile Editor / user default profile Add Attribute



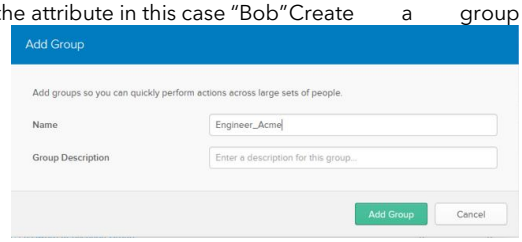


In this case "amountlogin" Go to Directory/people Click on a user that will authenticate and Edit

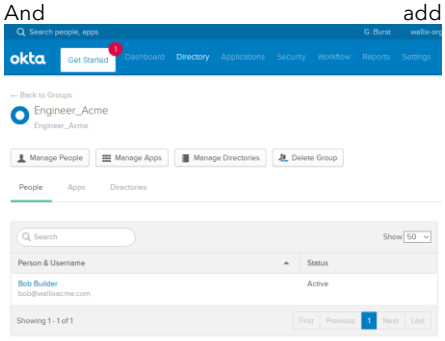




Scroll to the bottom and add the login name to the attribute in this case "Bob"Create a group for the user



And add the User



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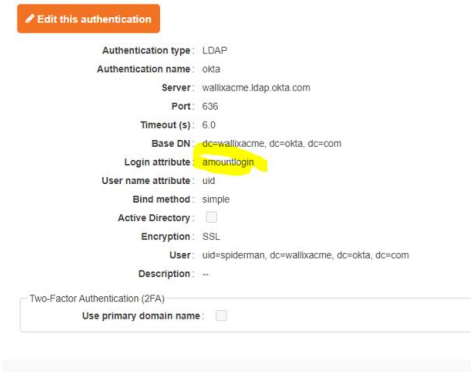
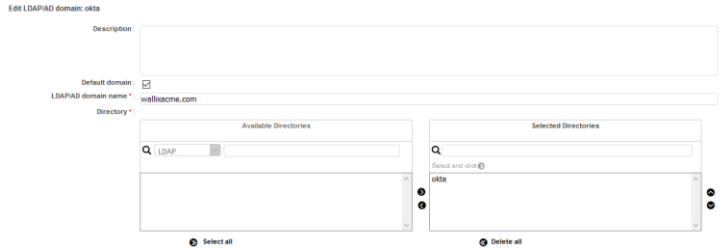
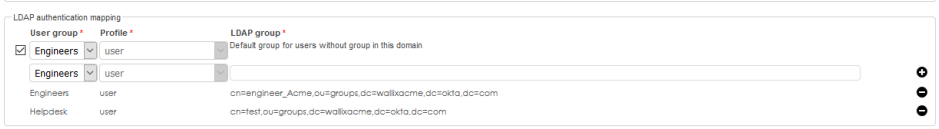
Head back to the Bastion Configuration/External Authentication
Add the new attribute to the Login Attribute



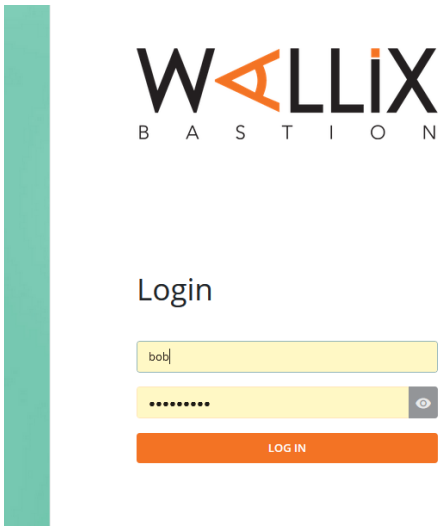
Configuration/LDAP AD Domains
Chose LDAP and then the New Okta domain



Map the Bastion Group to the New Groups as configured in Okta



When logging on to the bastion you will now just use the new attribute i.e. Bob



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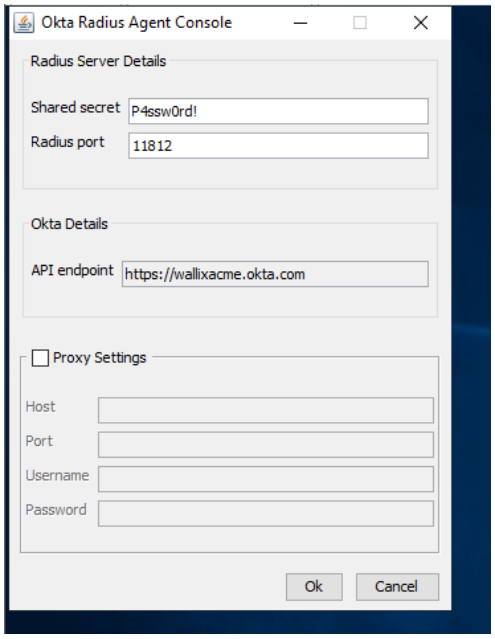
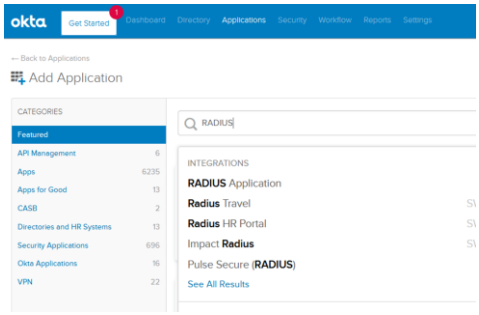
Adding Okta RADIUS authentication

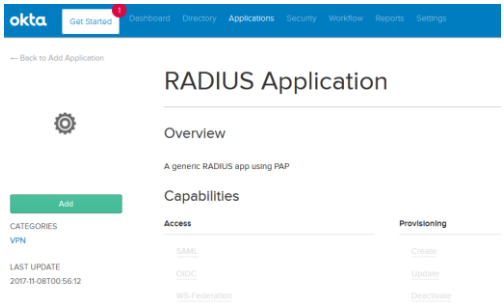
If Okta Radius Authentication is required
Download the Agent from the Octa Admin site Settings/download
Install on windows server and follow the wizard
Ensure that the firewall ports are open UDP in this case 11812

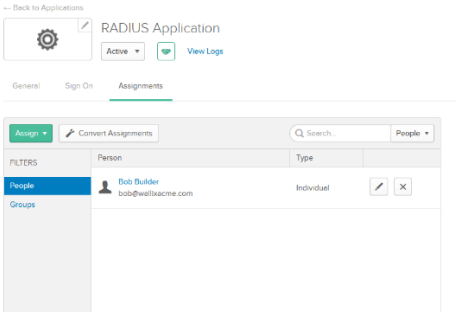


On the Octa admin site go to applications /Add Application
Search for RADIUS

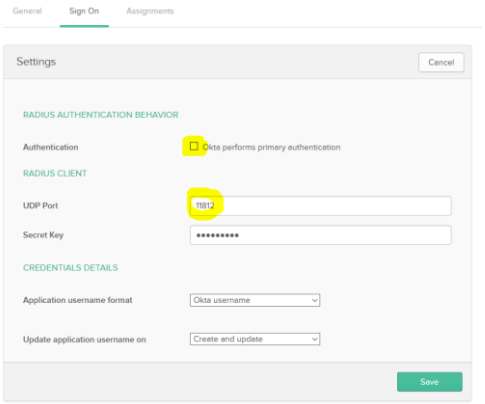


Chose RADIUS Application





Settings/Sign On
Untick Okta performs primary authentication and add the new port.
Settings/Assignments add the users or groups



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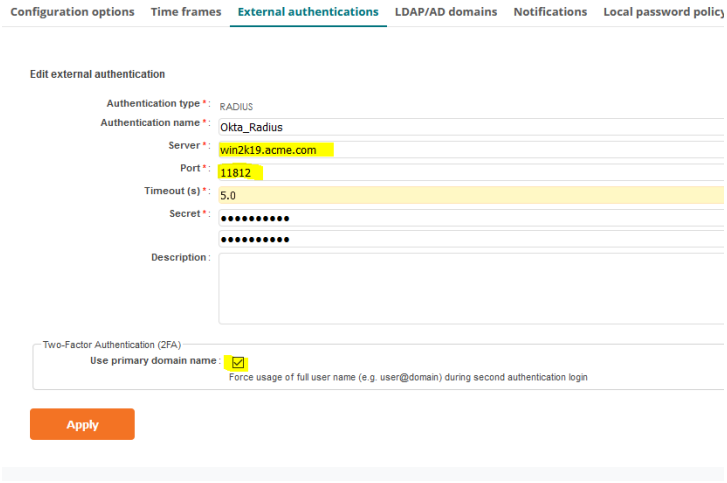
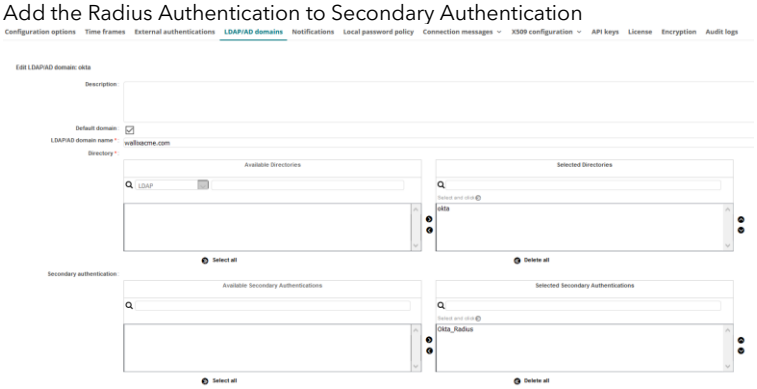
On the Bastion
Configuration/External Authentications
Add RADIUS
For the server point to the server with the RADIUS Agent installed
Change to the New Port
And tick Use Primary Domain Name



Configuration /LDAP AD Domains
Add the Radius Authentication to Secondary Authentication



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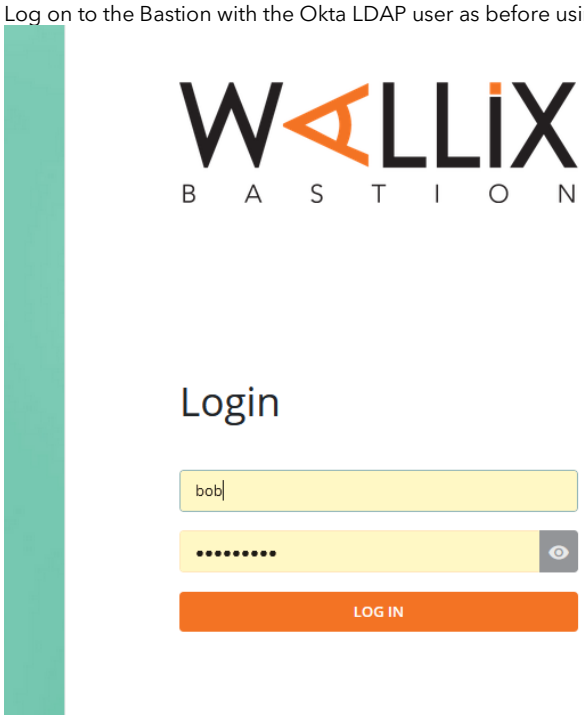
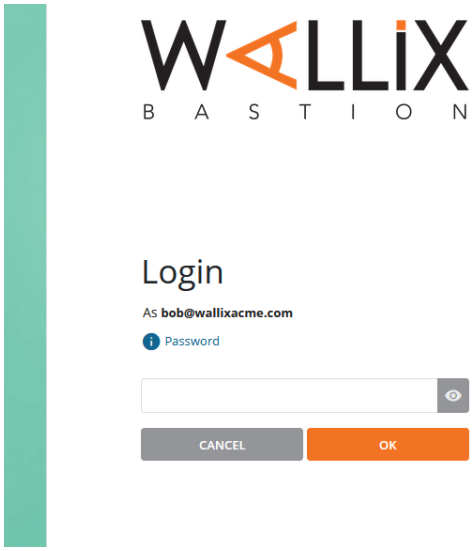
Log on to the Bastion with the Okta LDAP user as before using the Okta LDAP Password



You will see that the login has been accepted and the username has been replaced with the full username and is asking for the 2nd factor



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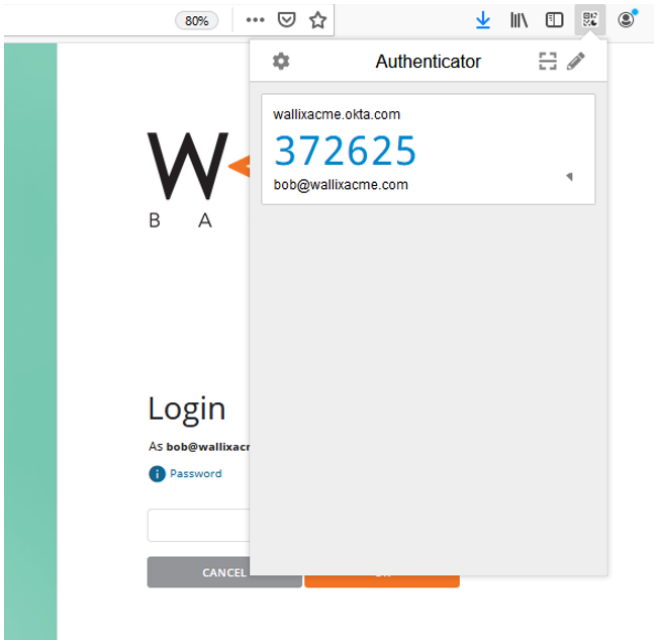
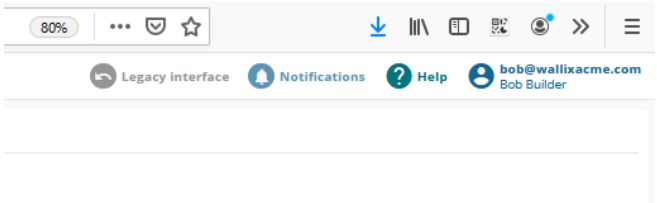
I have used Google authenticator to generate the token



And Bob is now signed on to the Bastion using Multifactor Authentication
Username
LDAP Password
Generated Token



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