
AWS
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NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

PRT042

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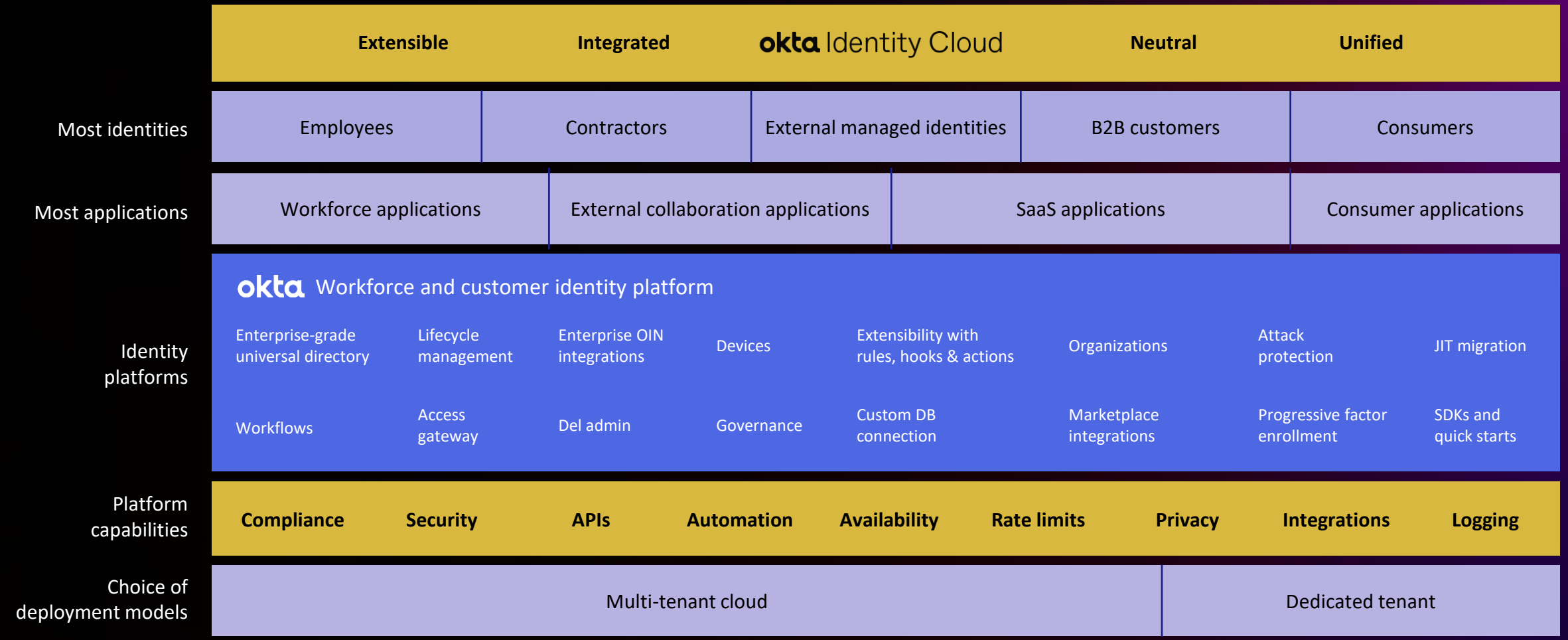
Modernize identity and enhance security with Okta and AWS

Wayne Smiley

Senior Solutions Engineer
Okta

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Okta can address nearly every identity need



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Today’s roadmap

Deep dive into real AWS customer problems that Okta can solve

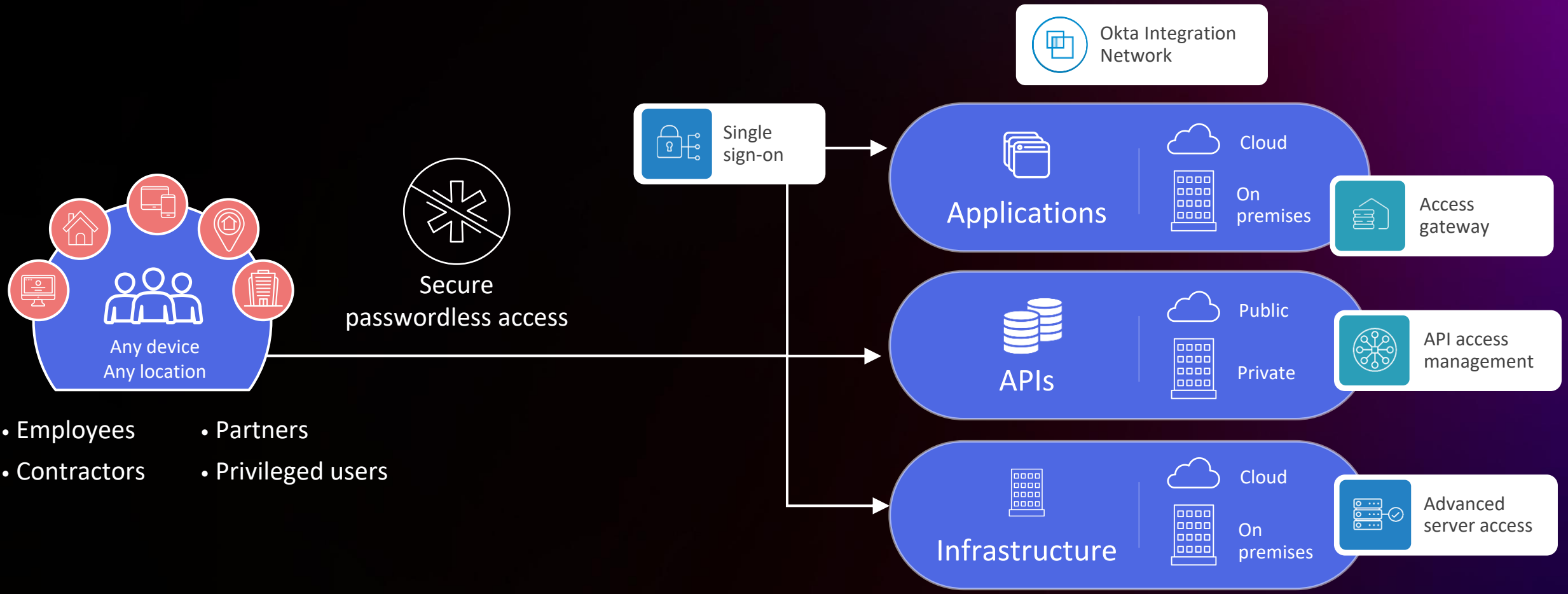
1. Low-friction passwordless authentication into AWS Identity and Access Management (IAM)
2. MFA on the AWS CLI using IAM users
3. Do you need Okta CIAM if you use Amazon Cognito?

What can you do from here?

1. Come see us at our booth to learn more
2. Purchase Okta from the AWS Marketplace
3. Use your EDP dollars from AWS for Okta

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Low-friction and passwordless MFA



- Employees
- Contractors
- Partners
- Privileged users

Any user can access any resource from any device

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Okta and AWS collaborate to drive your success



"We could focus more on building user value while reducing our costs. Account scraping was now offloaded to our new partner, saving us weeks of time in incident fighting. We integrated social logins in sprints, not months, and experimented with new social logins."

George Torres, Director of Engineering



"On AWS SSO [now IAM Identity Center], we have a single point of control – a single view – across everything we do. It's a powerful tool to get the maximum amount of use per staff member so that we can keep our team small."

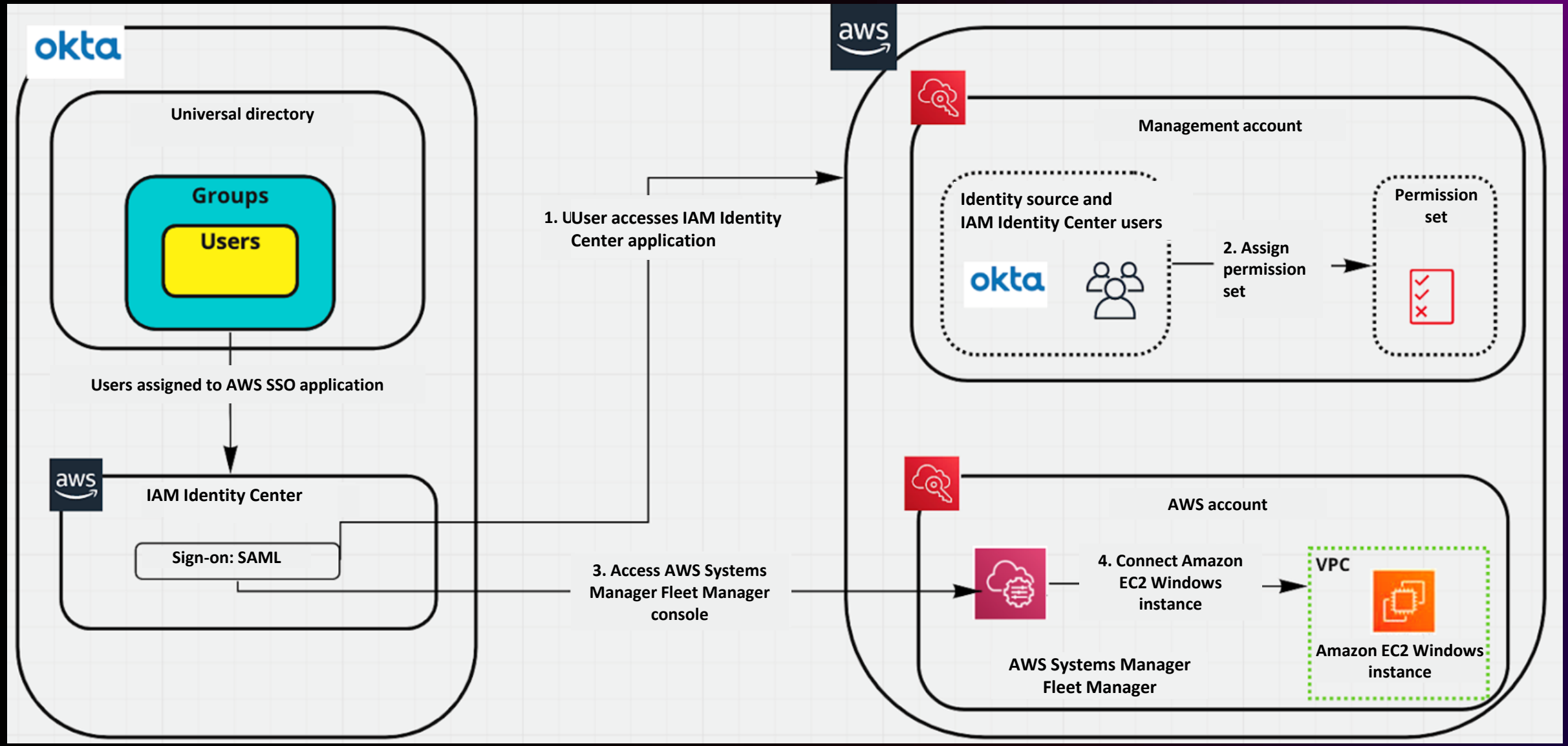
Alexander Dumitriu, CIO

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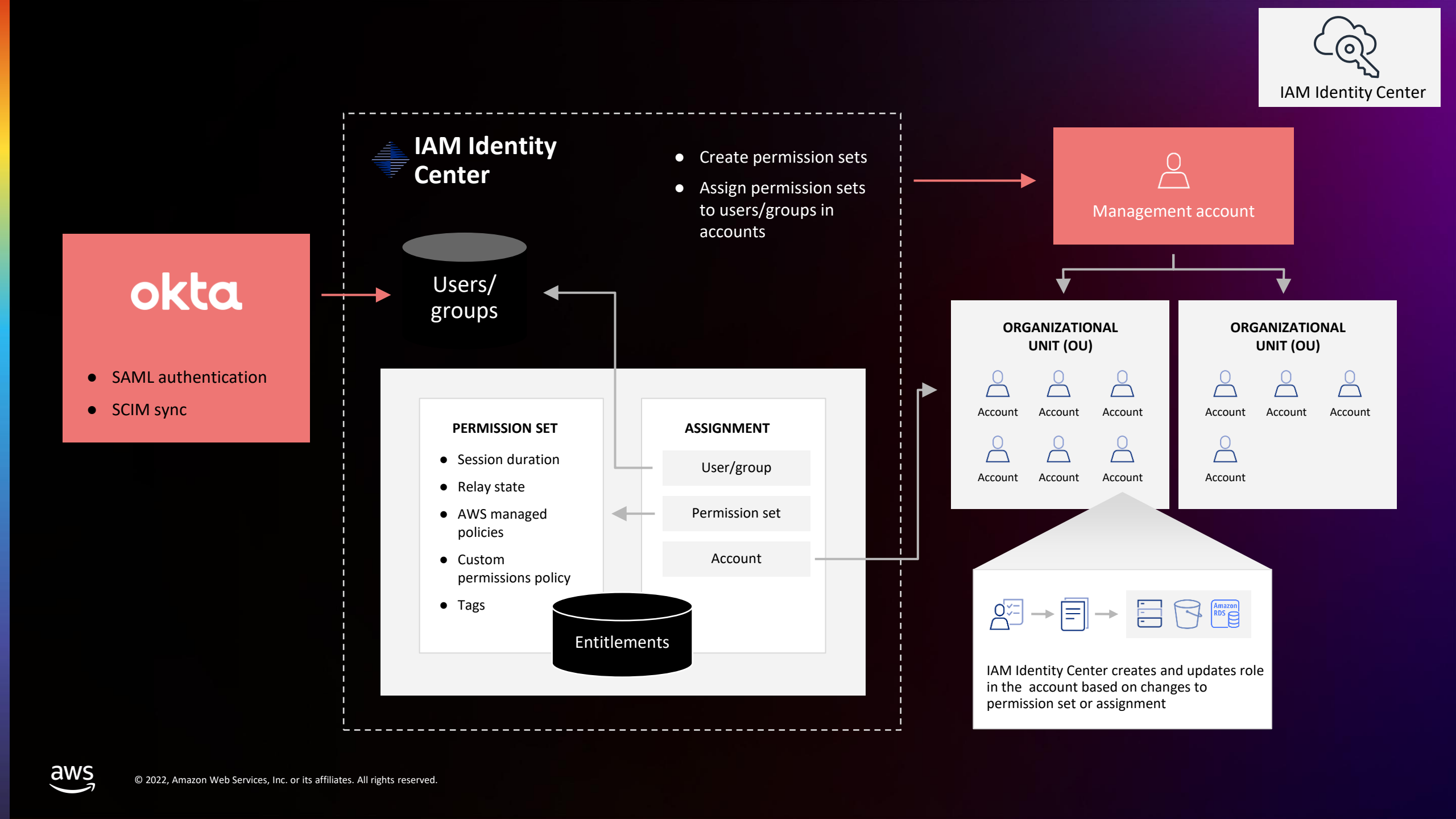
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Deep dive: Passwordless multi-factor on AWS

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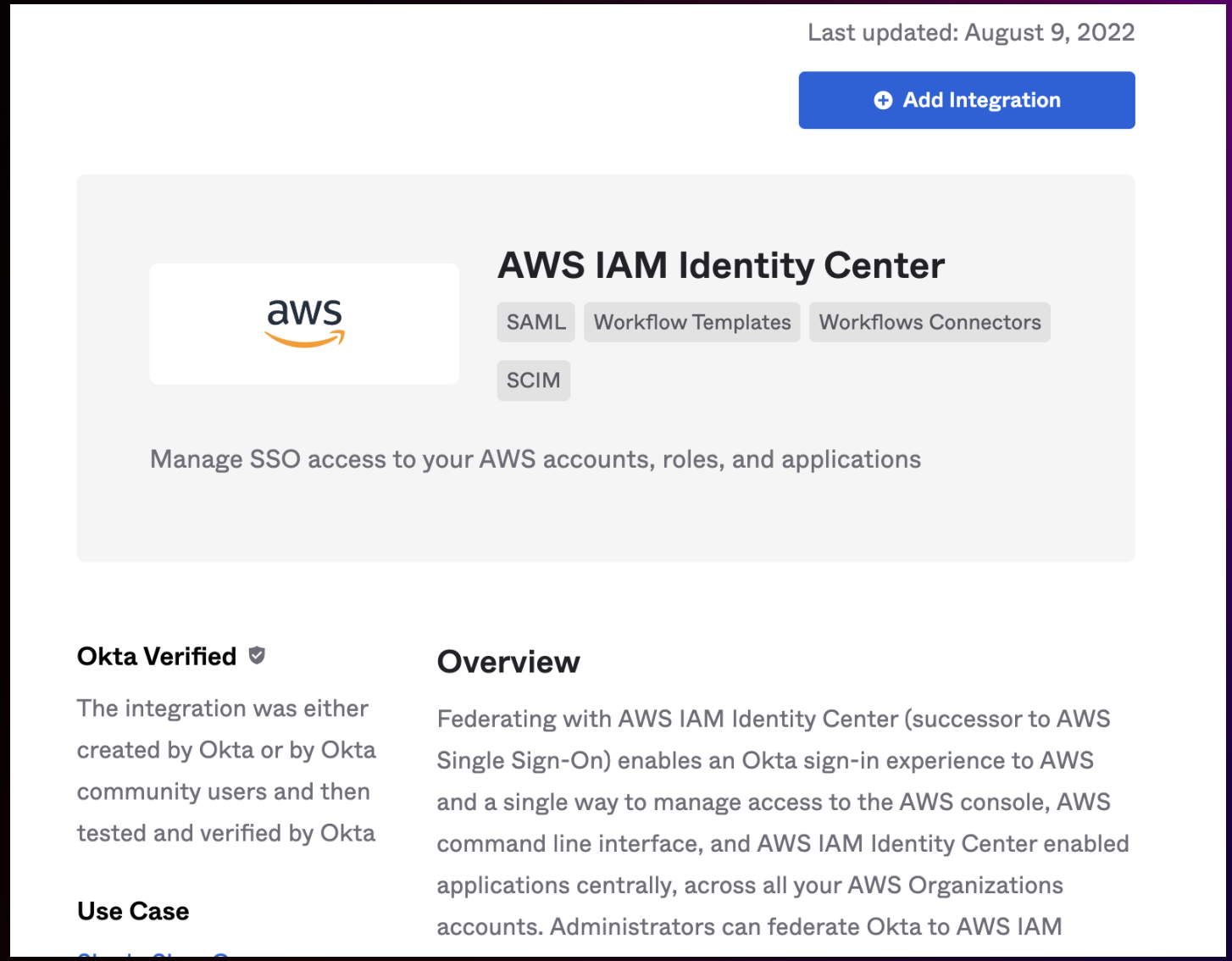
How is it set up?

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Add application in Okta

The Okta Integration Network (OIN) already has an IAM application

1. Add application
2. Search for AWS
3. Choose **IAM**
4. Click **Add**

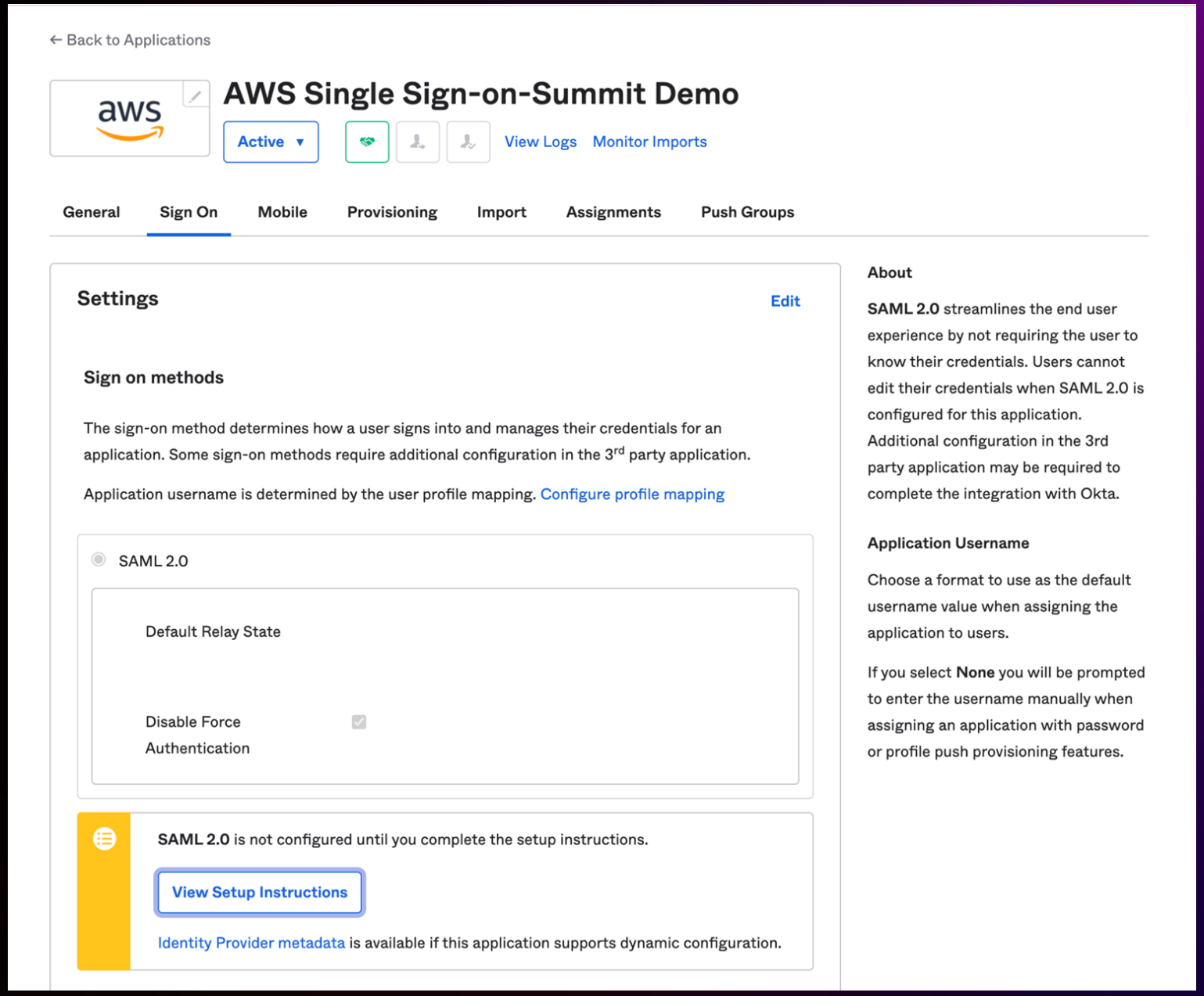


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Set up SAML in Okta

Click **View Setup Instructions** and follow the instructions there

They will be customized for your particular tenant with your customized URLs, etc.



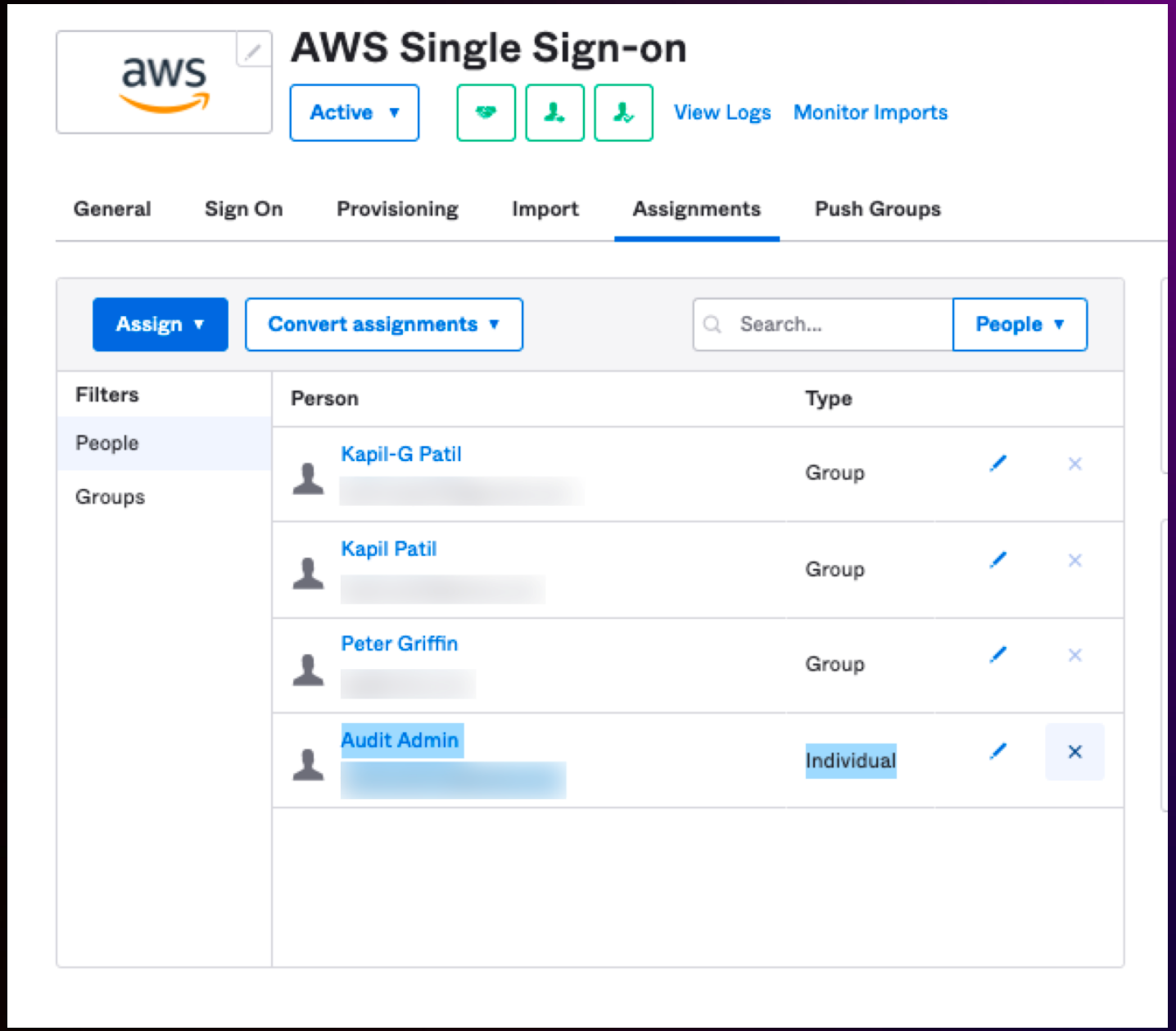
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Give users access in Okta

Add your users and/or groups to the application itself so users have access

If you do not add them here, Okta will not allow them to access AWS no matter what permissions they have on AWS

Note: You can also provision, update, and delete users in AWS via Okta, and you can use push groups to manage IAM groups and membership from Okta



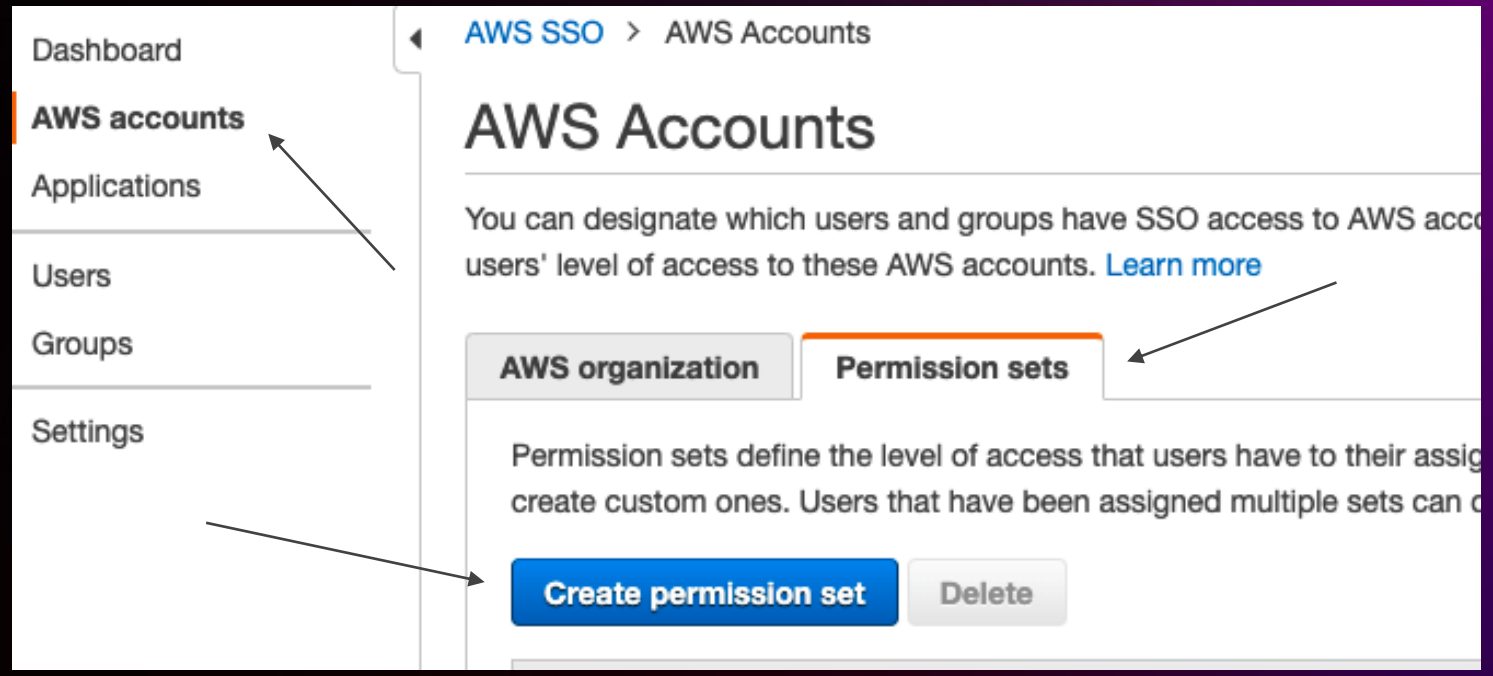
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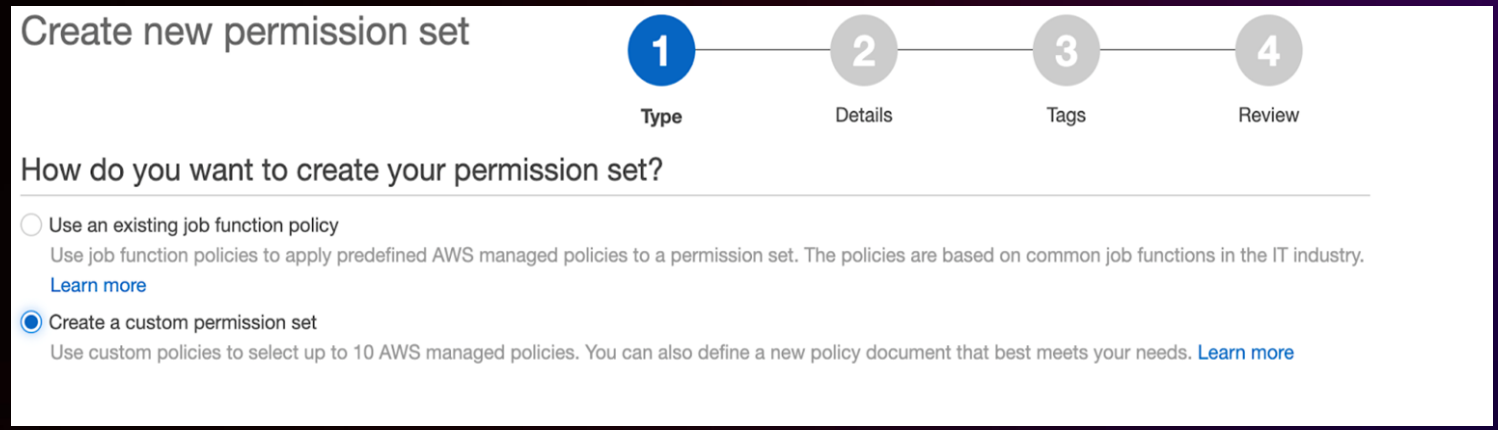
Create AWS permission set(s)

Set up the permission sets you will give out to users

It’s usually best to call them by the rights they are granted

1. Log in to the AWS Management Console
2. Click **AWS accounts > Permission sets > Create permission set**



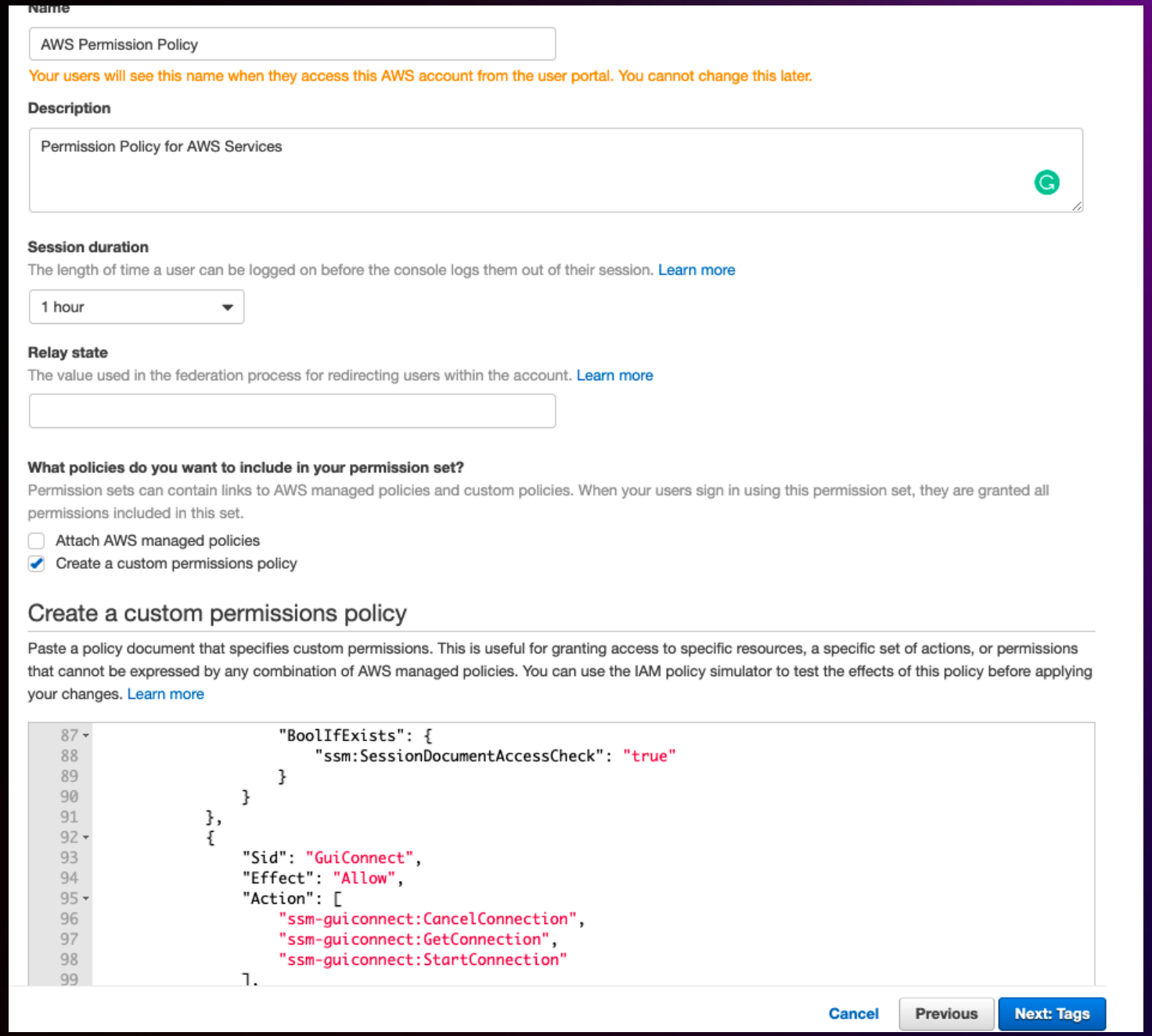


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Configure permission set

Give the permission set a name, description,
and duration

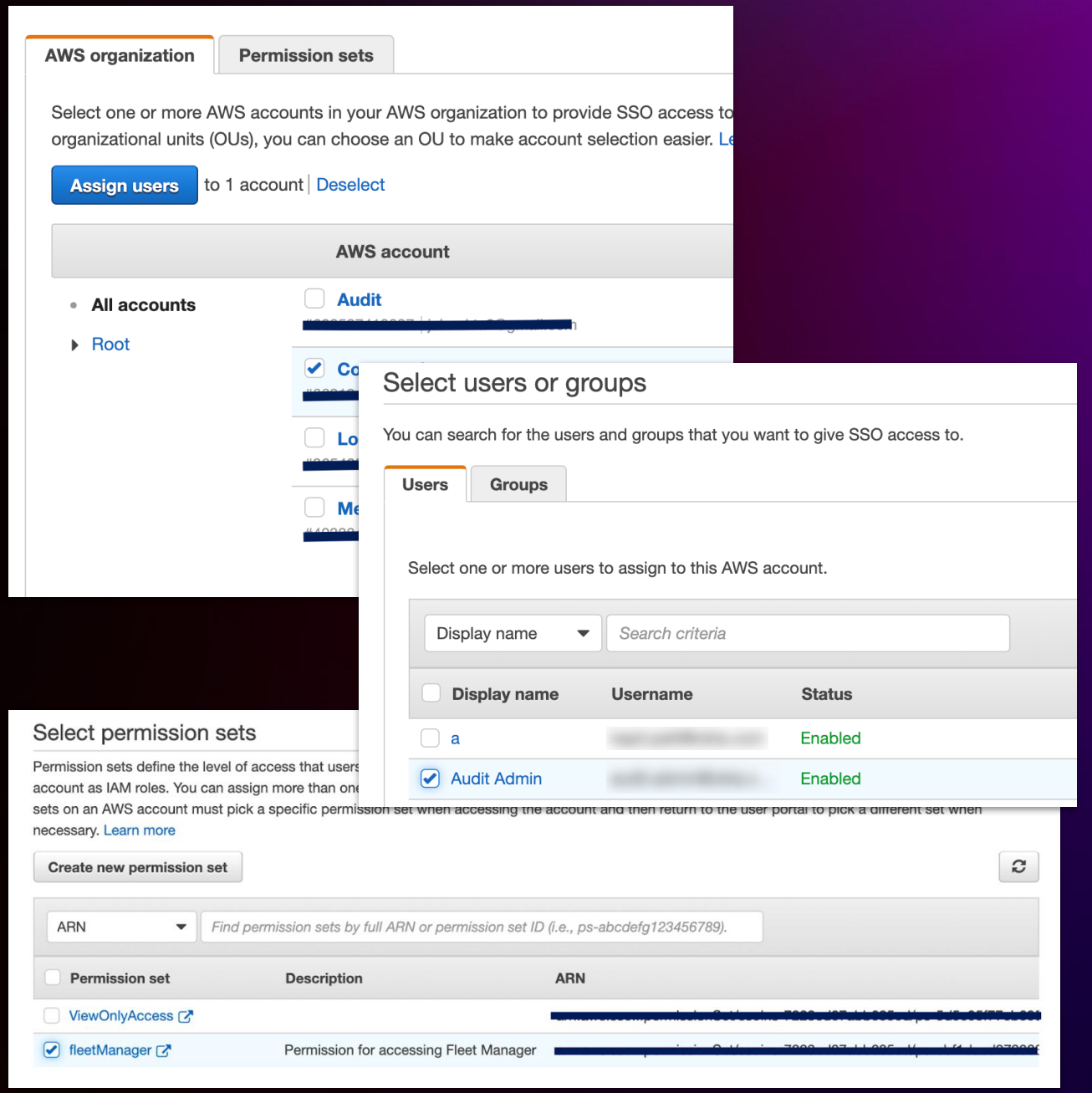
Note: You will need to adjust the permission policy to meet your specific needs; you can find specific information in AWS help documentation on how to set the proper permissions



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Apply permission sets to users and groups for Amazon EC2 access

1. Log into the IAM console
2. View the AWS accounts you have set up
3. Select the users/groups you want to assign permissions to
4. Select the permission set(s) you want to assign



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Deep dive: AWS CLI multi-factor authentication

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Do I need Okta CIAM if I have Amazon Cognito?

Maybe . . .

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A CIAM solution that solves complex scenarios

SDKs

SDKs available for all modern frameworks

Built-in features

Platform-native WebAuthn, progressive enrollment, MFA, and more!

Control

Full control of issued access tokens and IdTokens

Designed for modern CIAM

Built-in extensibility, including APIs and marketplace partners

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Getting the most from Okta and AWS



Multi-tenancy architecture

A single tenant is able to service hundreds of applications using AWS Organizations, each with their own branding and custom connection



Data regency

With private cloud on AWS, organizations can host their data according to regulations in their jurisdiction

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Deep dive: Okta Customer Identity (CIC) Multi-Factor

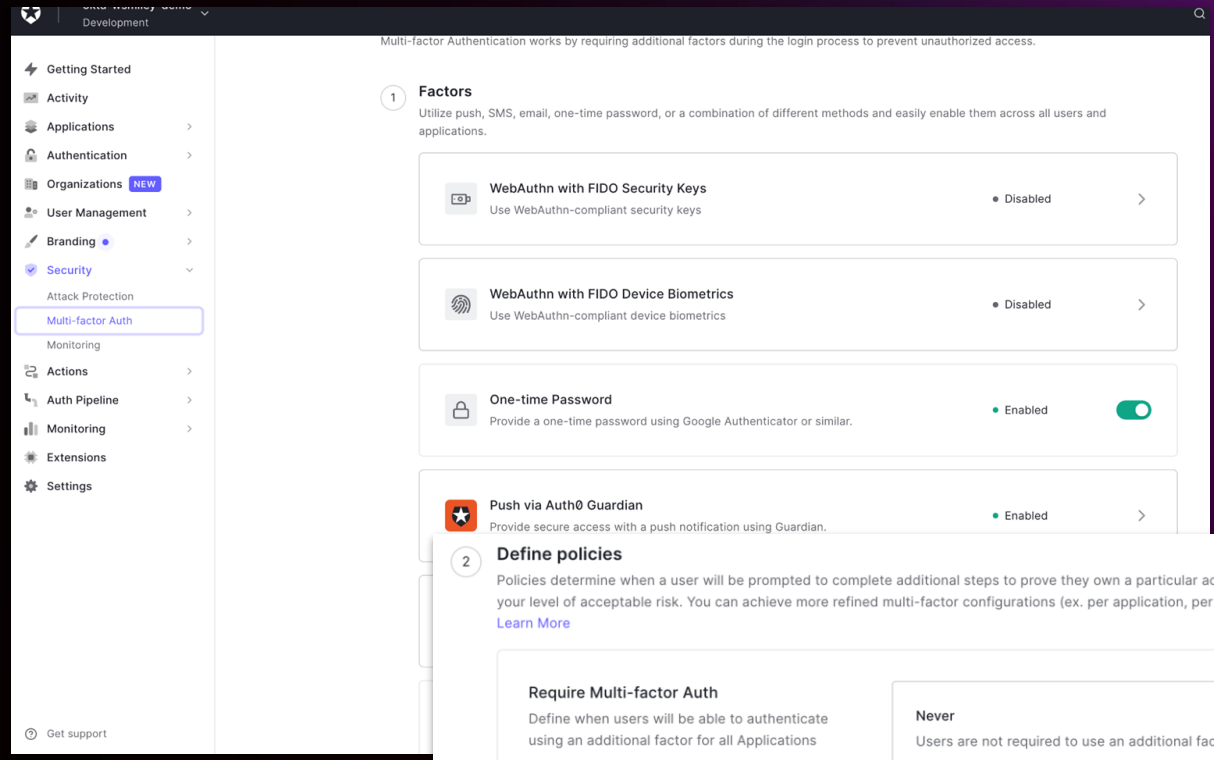
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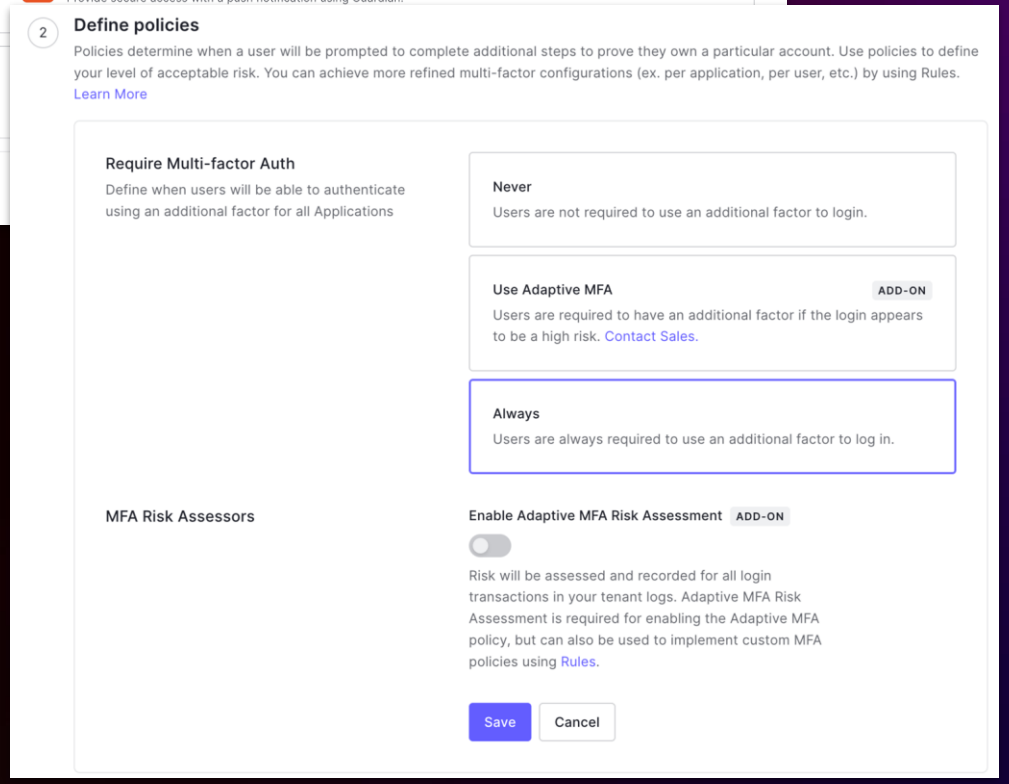
How is it set up?

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Turn on MFA in your tenant

1. Open the Auth0 dashboard, go to your tenant, and select **Security > Multi-factor Auth**
2. Pick the factors you want to use
3. Pick the MFA policy you want to use (adaptive will allow less friction for end users)

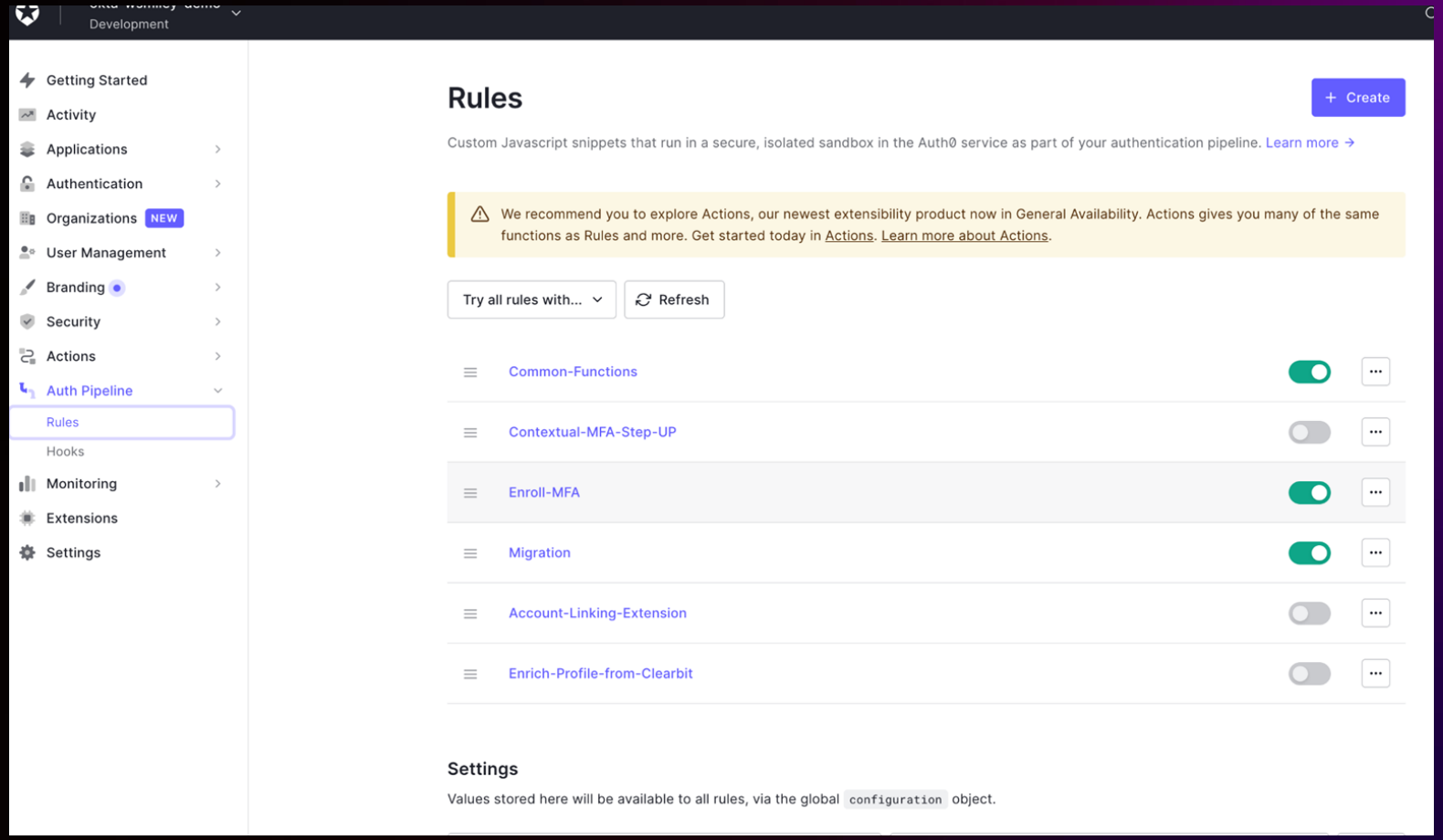




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Add MFA enrollment to pipeline rule

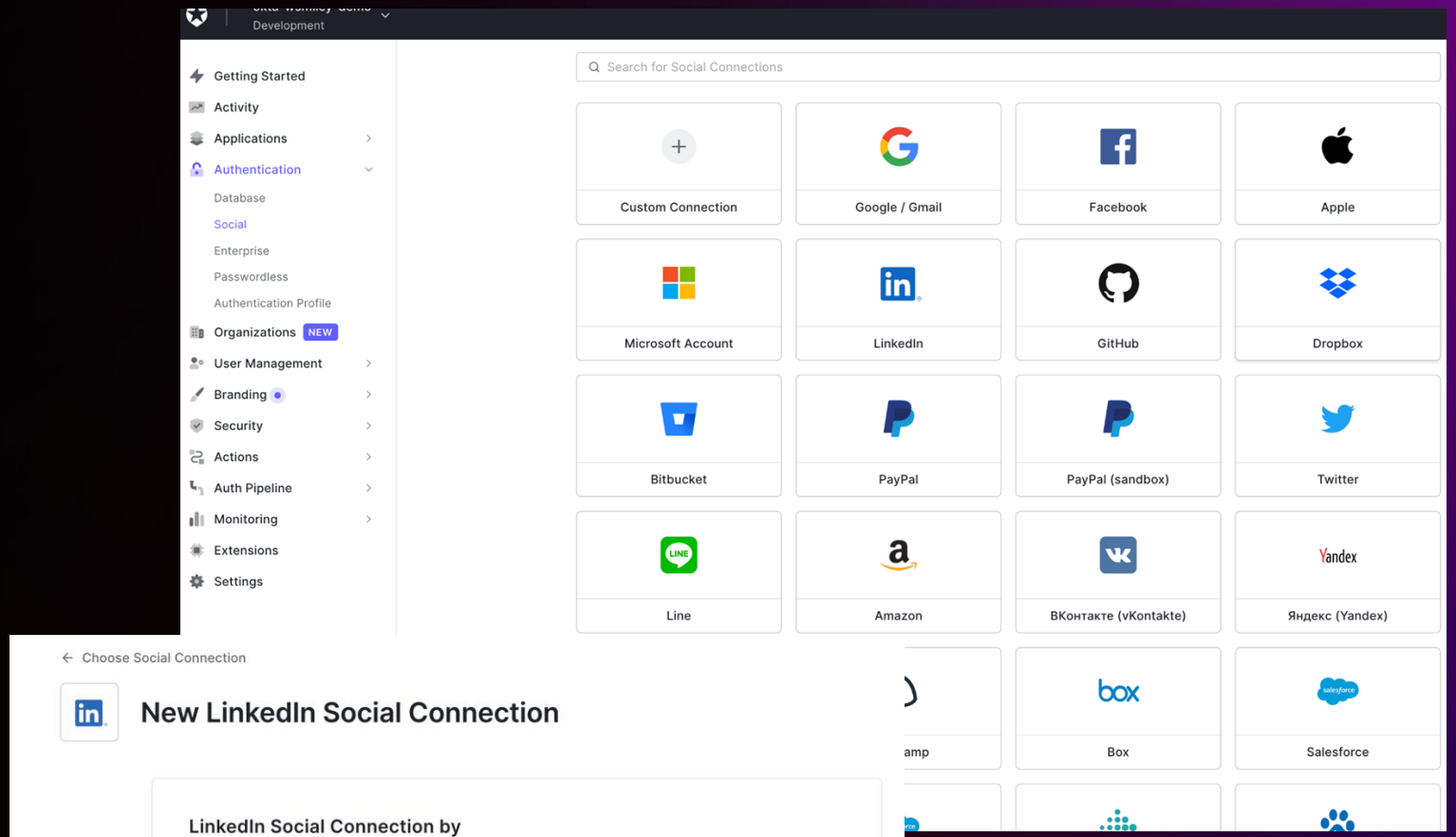
1. Under **Auth Pipeline**, select **Rules**
2. Make sure **Enroll-MFA** and **Contextual-MFA-Step-Up** are enabled

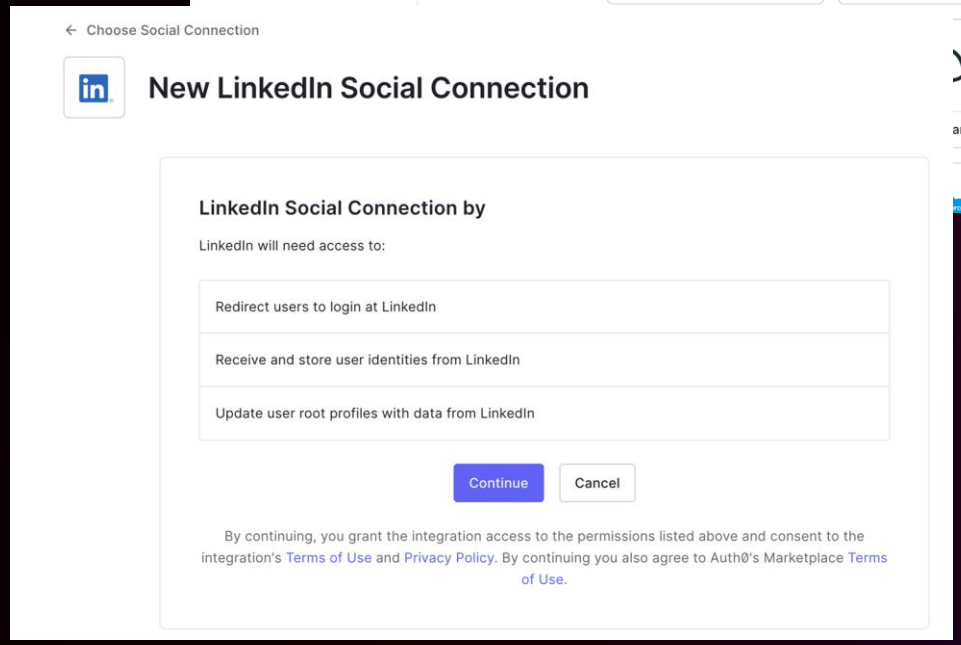


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Add social login

1. Under **Authentication > Social**, you will see a list of connectors you have configured already
2. Click **Add connection**
3. Add whatever connectors you want

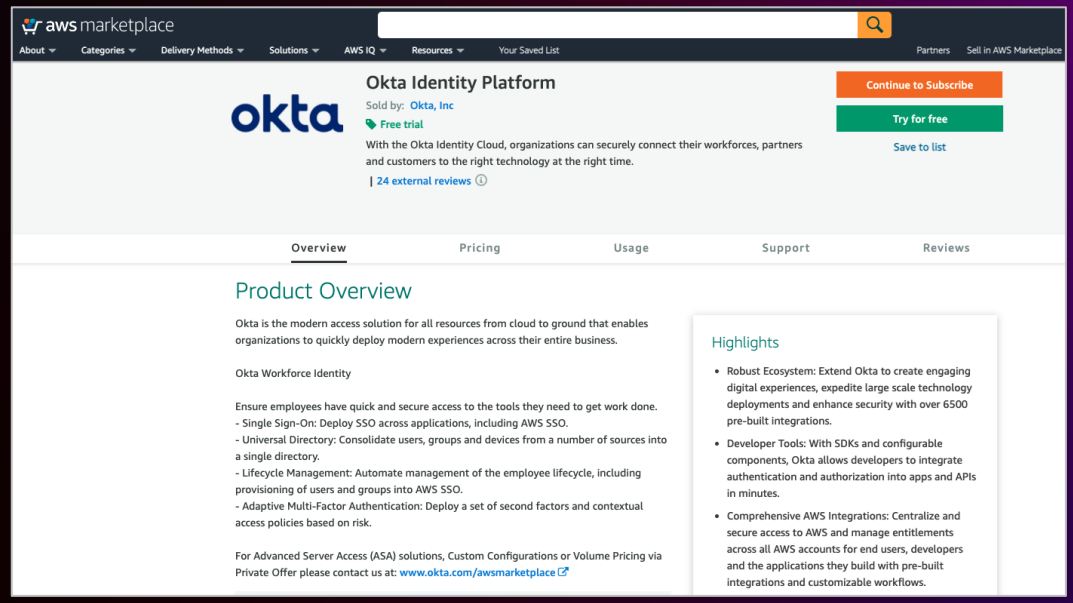




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Buy from the AWS Marketplace

- **Use existing Enterprise Discount Program (EDP) credits** for AWS Marketplace purchases
- **Accelerate** purchasing/procurement process with pre-approved budget
- **Simplify billing** with consolidated cloud spend



A secure way to connect the app ecosystem

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Use your EDP dollars on Okta



Private pricing program that provides discount in exchange for prepaid, annual consumption commitment



Prepayment is run down as you consume AWS services



Customers with large AWS footprint can use their preapproved EDP budget to buy ISV software in the AWS Marketplace

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Check us out!

Visit our booth to get a full demo, and learn how Okta can help improve your

- Security posture
- Revenue gains
- Efficiencies with fewer programmers

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Thank you!



Please complete the session survey in the **mobile app**

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