Microsoft Entra ID: Conditional Access, MFA, and SSO Configuration

This document outlines the step-by-step configuration and verification of core identity protection features in Microsoft Entra ID, including Conditional Access policies, Multi-Factor Authentication (MFA), and Single Sign-On (SSO) integration.

Objective

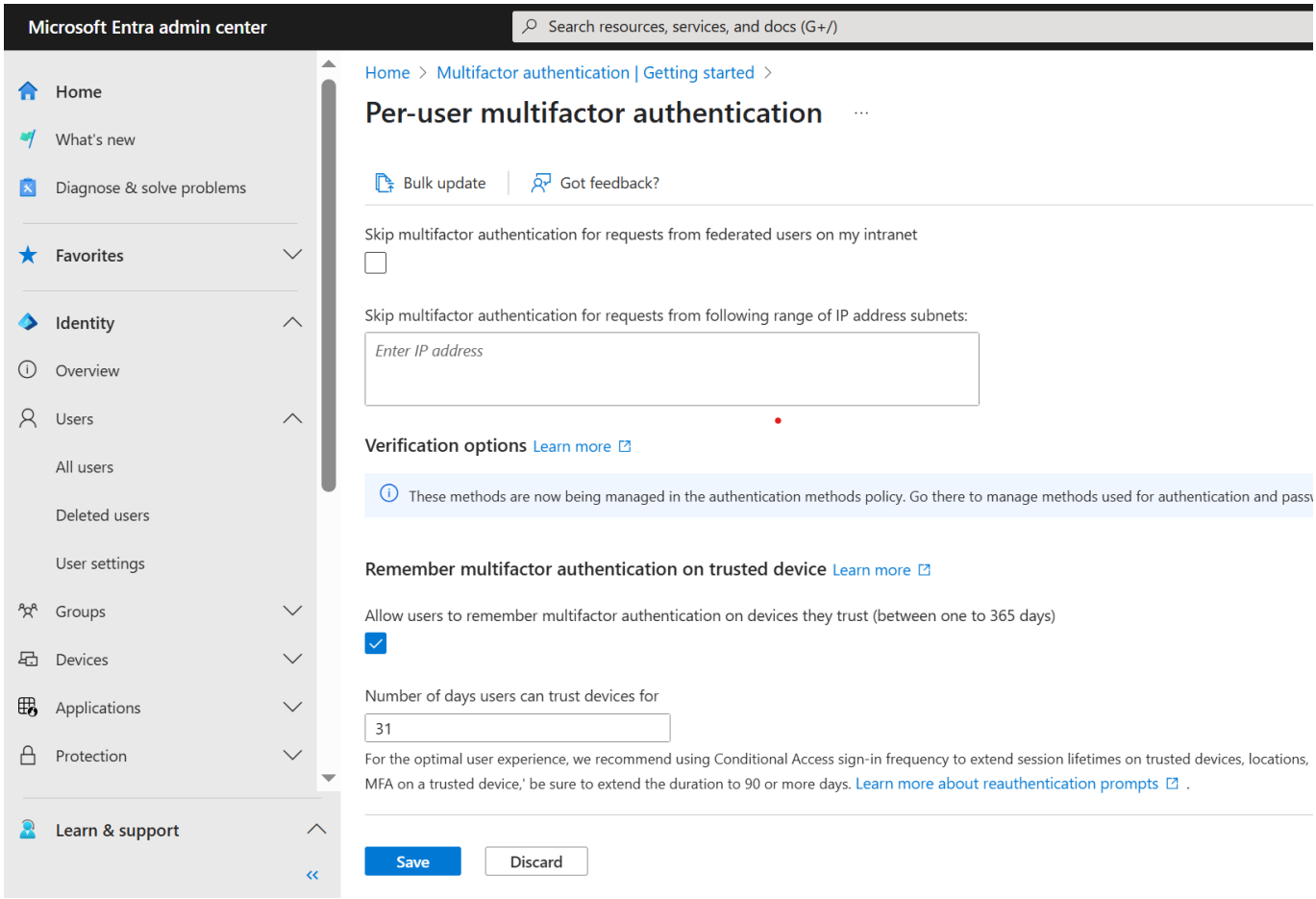
To secure organizational identities by configuring user-based MFA, enforcing Conditional Access policies, and enabling SSO for enterprise applications.

Tools Used

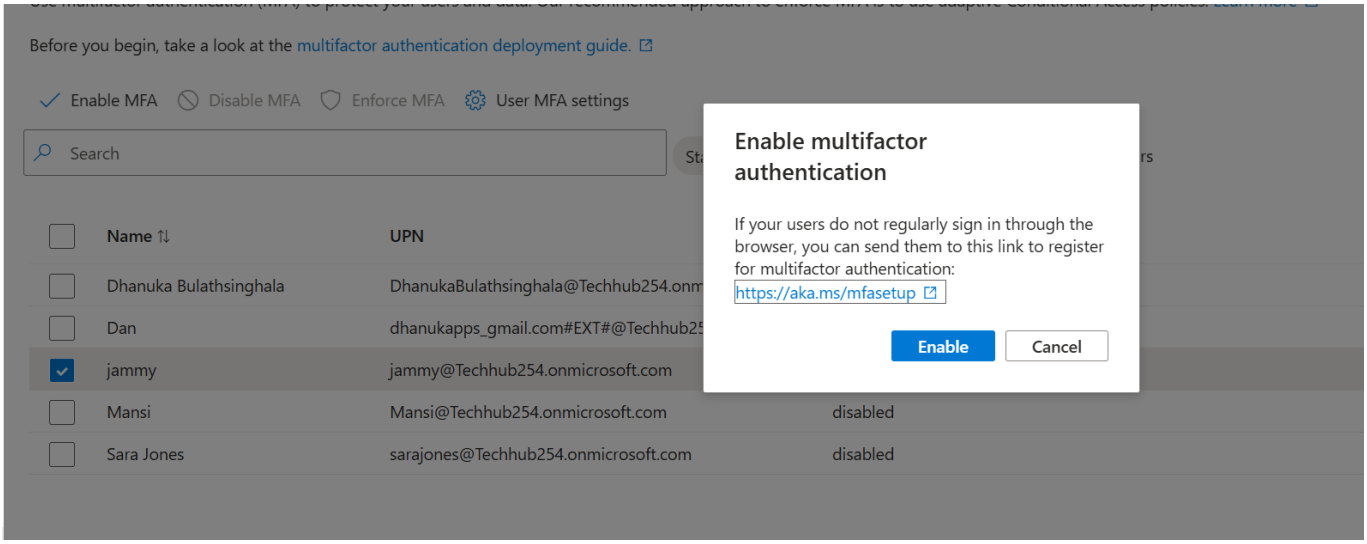
- Microsoft Entra Admin Center
- Azure AD Conditional Access
- Microsoft Authenticator App

Outcome

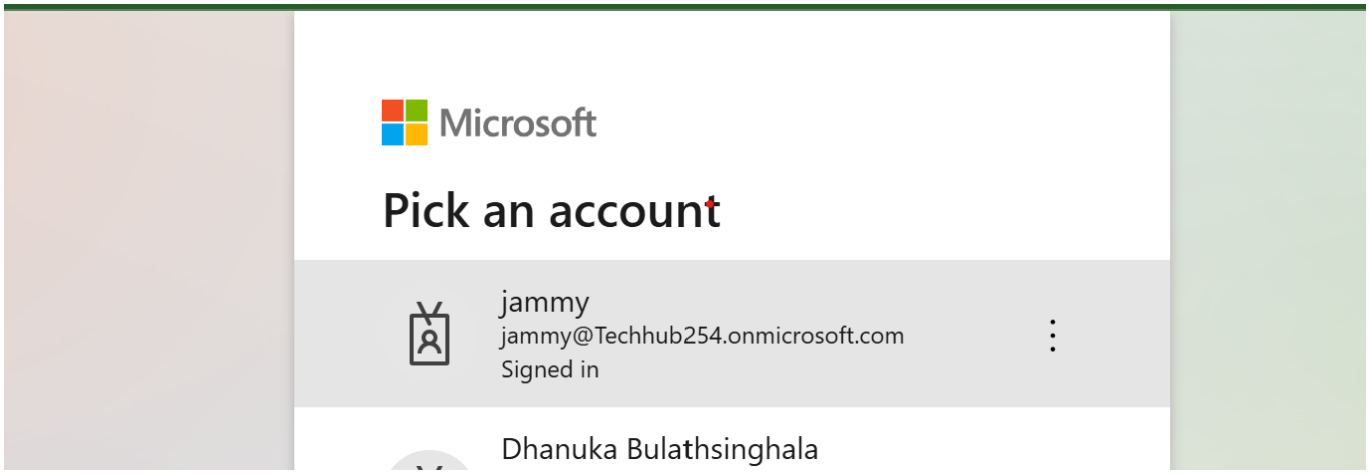
Successfully enabled and tested MFA for individual users, created a Conditional Access policy to enforce MFA, and configured SSO access to connected enterprise applications.



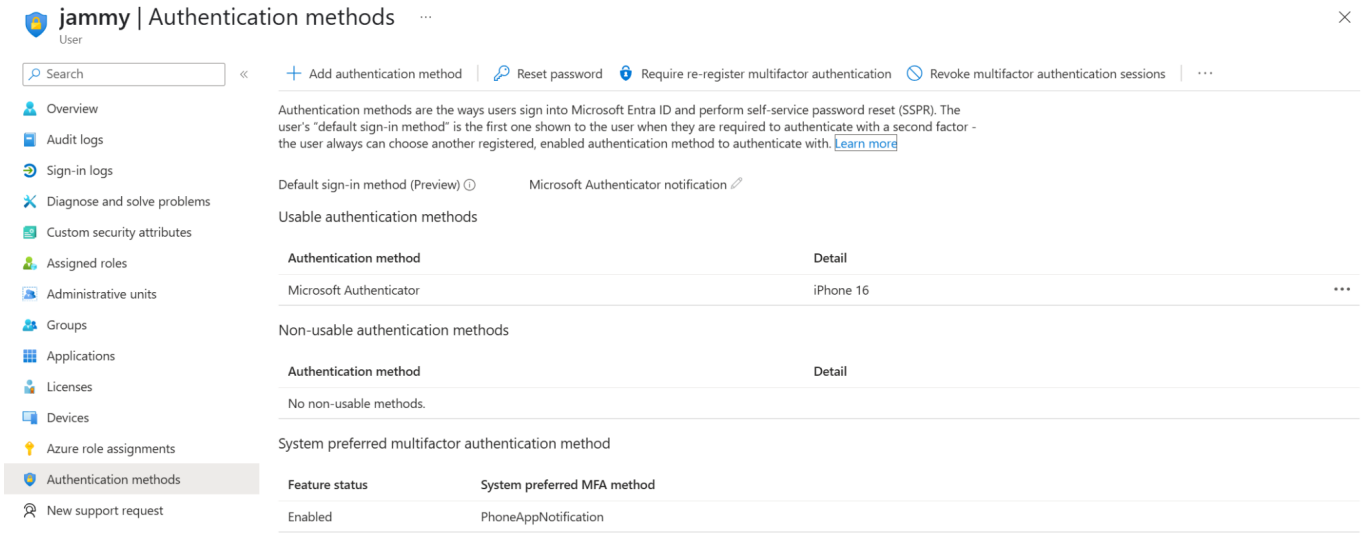
Description: Enabled per-user MFA in Microsoft Entra ID with options to skip trusted IPs and allow trusted device sign-in persistence for 31 days.



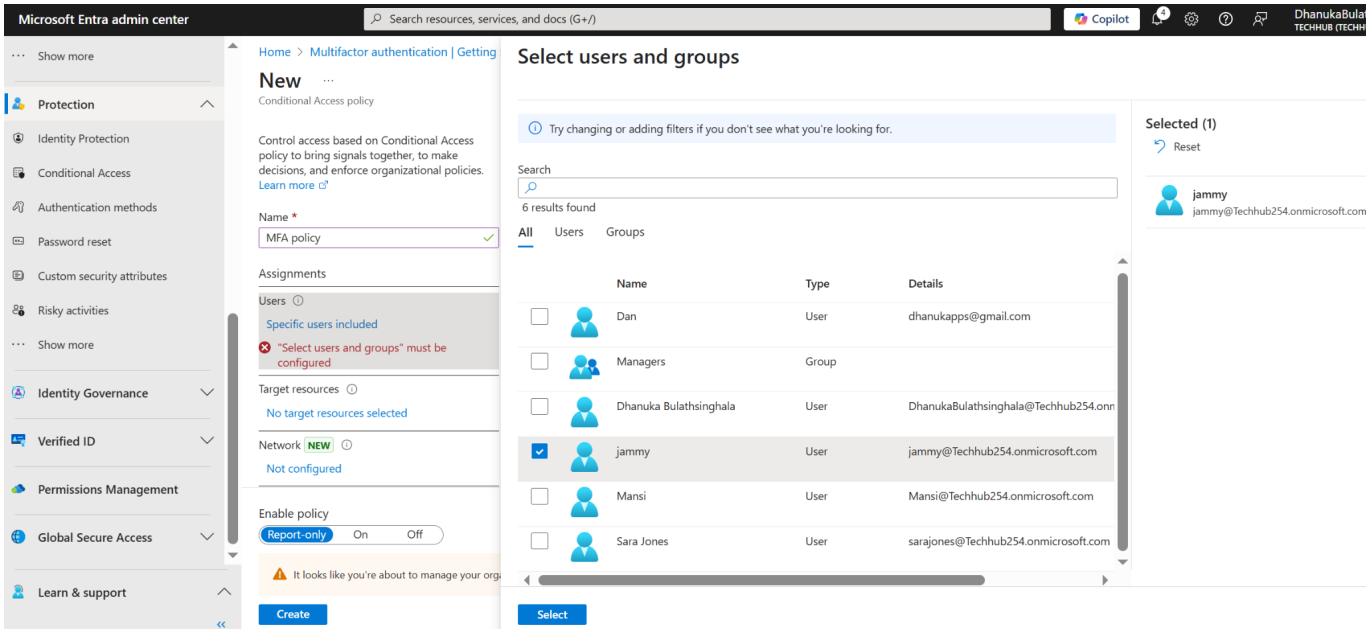
Description: Enabled Multi-Factor Authentication (MFA) for user 'jammy' using the classic per-user MFA portal with registration link.



Description: Signed in to Entra ID as the user 'jammy' to test MFA functionality.



Description: Verified MFA authentication method using Microsoft Authenticator app linked to user's iPhone 16.



Description: Creating a Conditional Access policy named 'MFA policy' and selecting user 'jammy' as the target.

Grant

Control access enforcement to block or grant access. Learn more

- ○ Block access
- ◉ Grant access

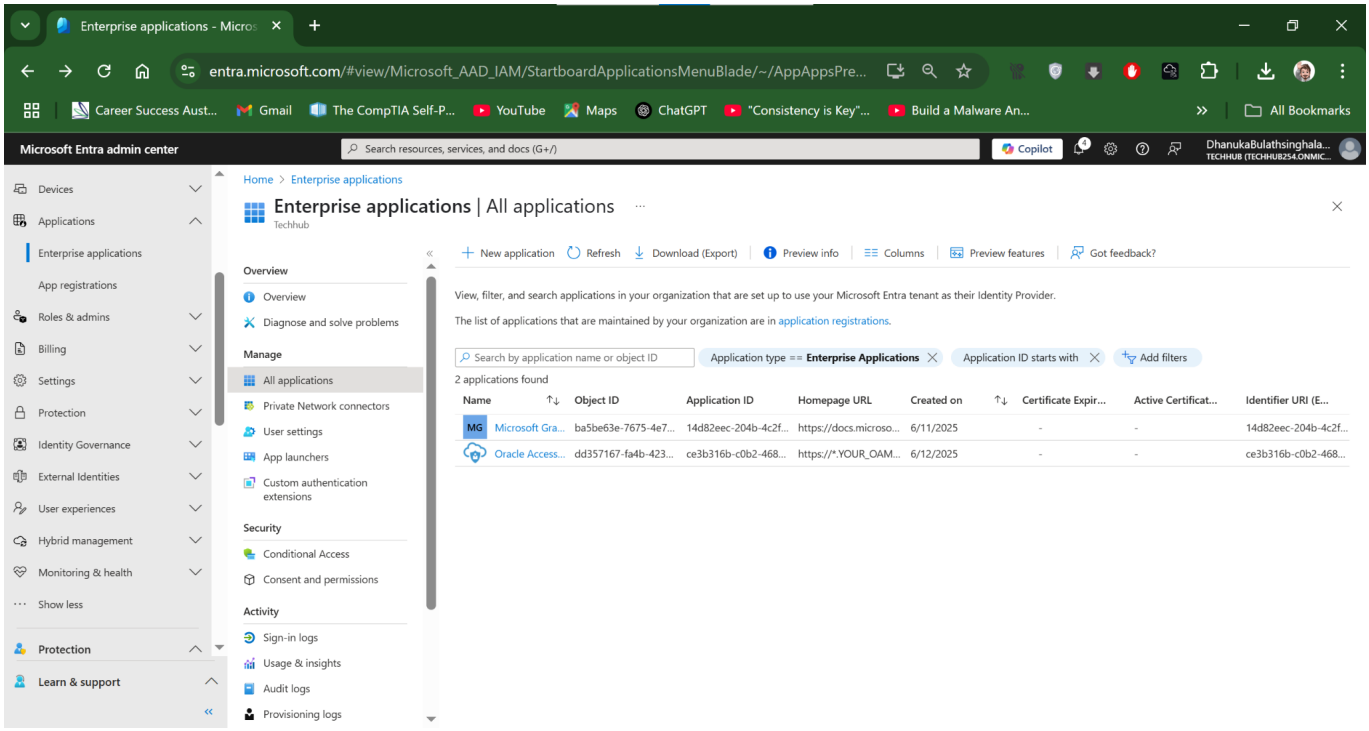
- ☑ Require multifactor authentication

Consider testing the new "Require authentication strength". Learn more

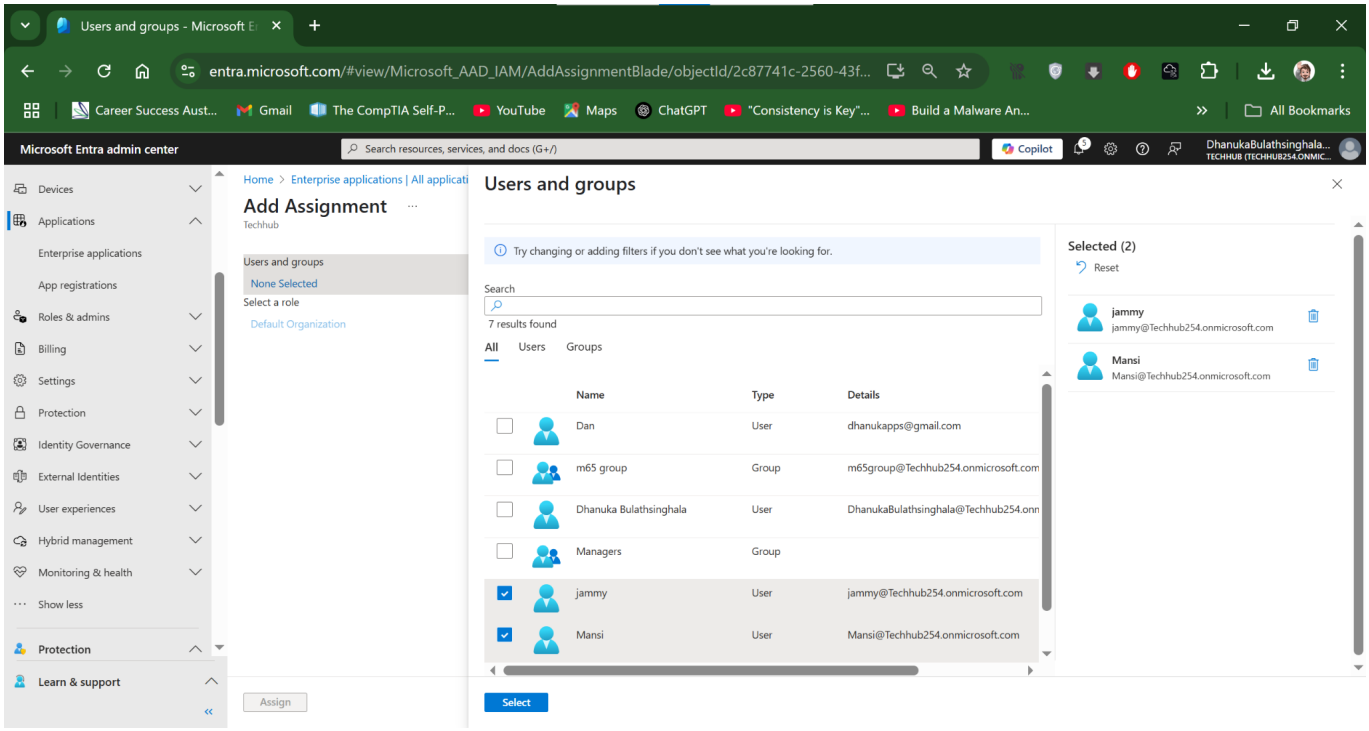
- ☐ Require authentication strength

"Require authentication strength" cannot be used

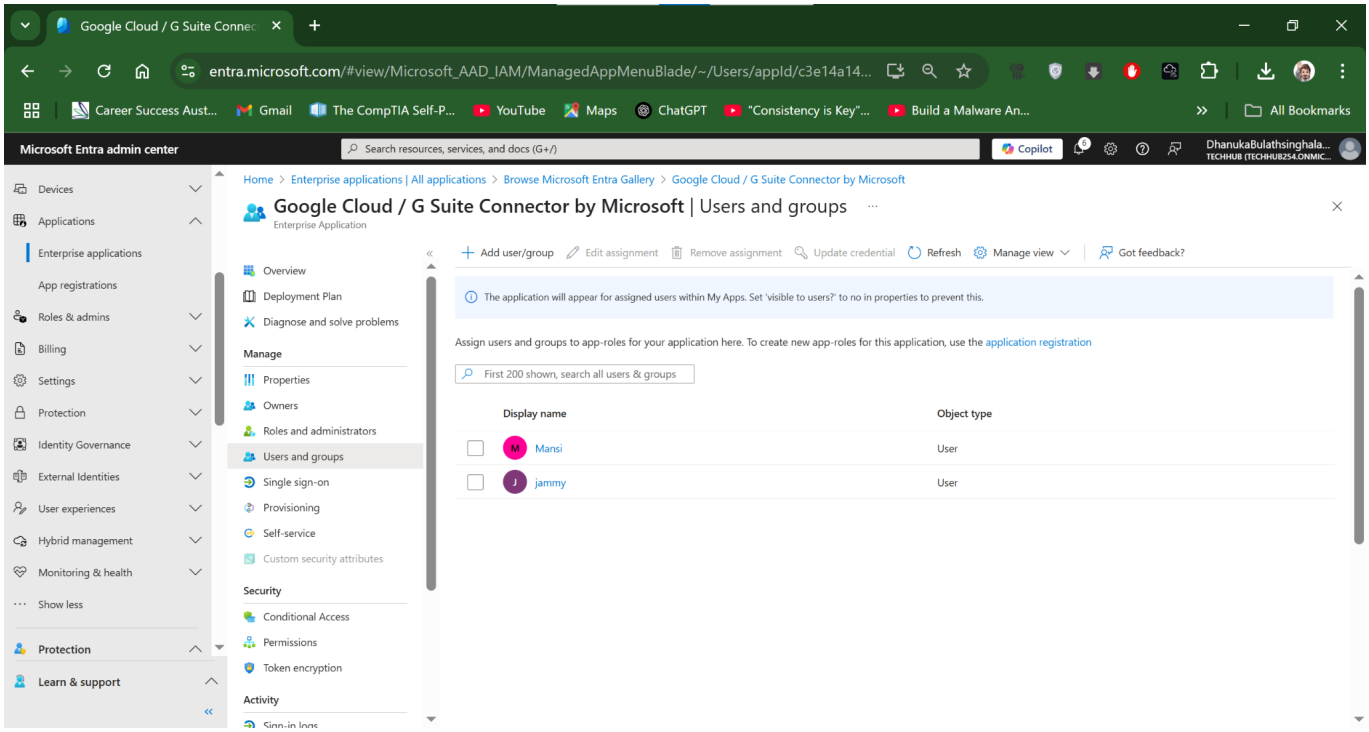
Description: Configuring Conditional Access grant controls to require MFA as an access condition.



Description: Navigating to Enterprise Applications in Entra ID to configure SSO for apps like Microsoft Graph and Oracle.



Description: Assigning users 'jammy' and 'Mansi' to an enterprise app to enforce SSO-based access control.



Description: Viewing user assignments under the 'G Suite Connector by Microsoft' enterprise application for SSO implementation.