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CLOUD SLICE TOPIC: CAPABILITIES OF MICROSOFT IDENTITY AND ACCESS

MANAGEMENT SOLUTION

EXECUTIVE SUMMARY

The Microsoft Identity and Access Management solution is built around Microsoft Entra, enabling organisations to manage identities, access resources, and enforce policies.

The Microsoft IAM solution cloud slice gives learners hands-on experience in identity management, access management, and tracking of user activities through auditing and file monitoring.

The subsequent topics delve into the various capabilities of Microsoft Entra ID.

GLOSSARY

IAM - Identity and Access Management

ID- Identity

IDS - Identities

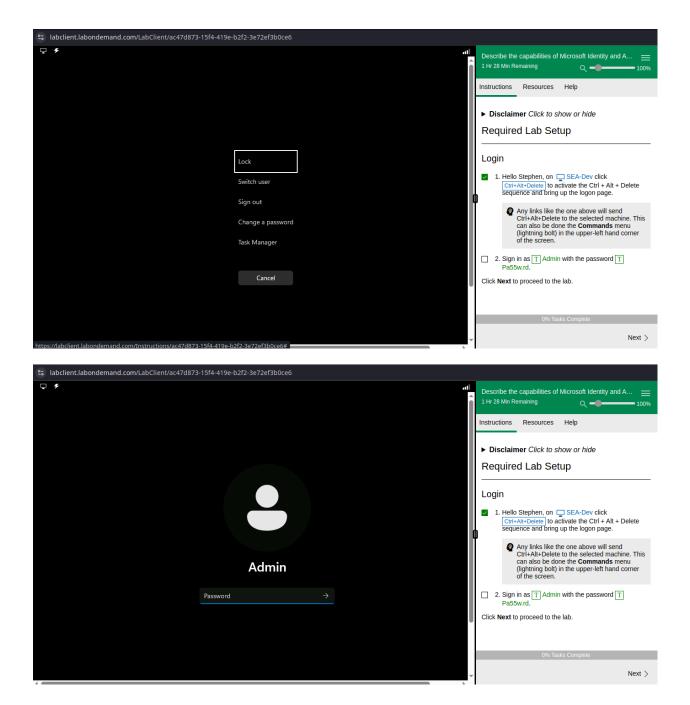
SSPR - Self-Service Password Reset

MFA - Multi-Factor Authentication

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1. LAB SETUP

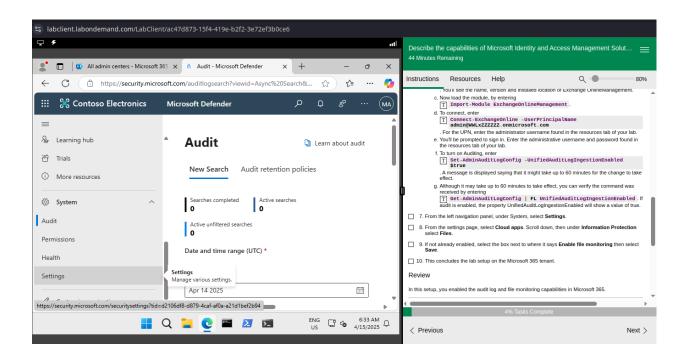
Upon launching the cloud slice, the user is required to log out of the default account and log in with the provided **ADMIN** account and **PASSWORD** as shown on the attached screenshots.

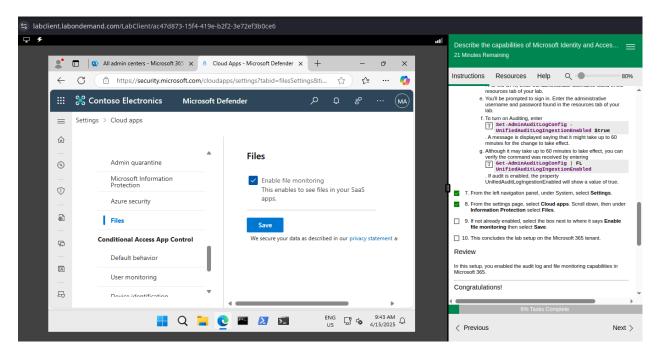


2. AUDIT LOG AND FILE MONITORING

Microsoft Entra Audit, when enabled, provides insight into system-related activities and identity changes in your organisation. It helps with monitoring, troubleshooting and compliance auditing.

File monitoring is not natively supported in Microsoft Entra. Through integration with other services such as Microsoft Purview and Defender, Microsoft Entra can indirectly monitor sessions in real-time, detect and alert on sensitive file downloads.





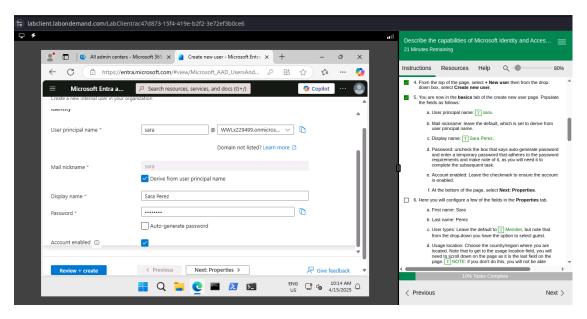
3. MICROSOFT ENTRA ID USER SETTING

With Microsoft Entra ID, an Administrator or any user with the proper privileges can create, modify, deactivate or delete user IDS, reset passwords, assign user privileges and roles, add users to groups, and assign licenses.

The administrators can also enforce policies and controls, such as Conditional Access Policy, MFA and Self-Service Password Reset.

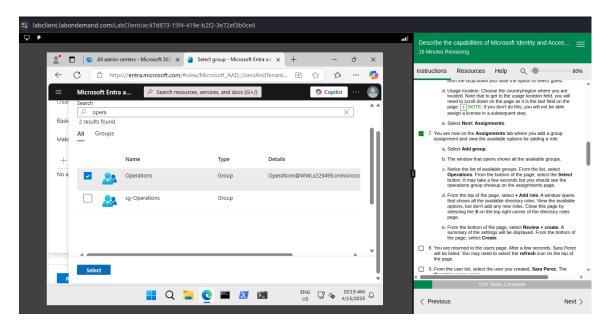
3.1. USER ID CREATION

The name of the user is defined as well as the user ID, together with a temporary password that the user will use to log in for the first time before changing it.



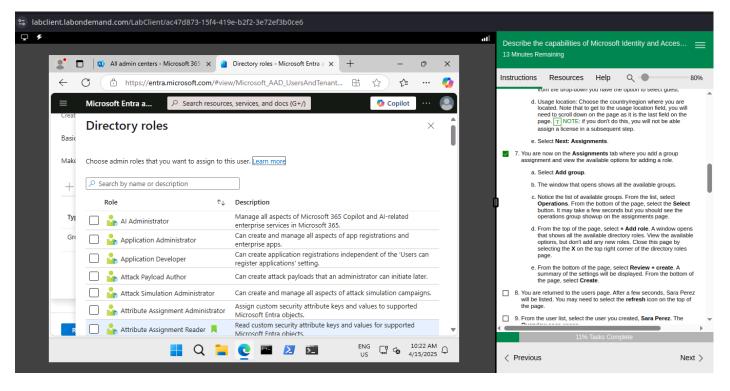
3.2. ADDING A USER TO A GROUP

A user can be added to different groups, whether for collaboration with other users or to have access to certain privileges or controls, e.g an SSPR Group. The user Sara Perez is added to the Operations Group.



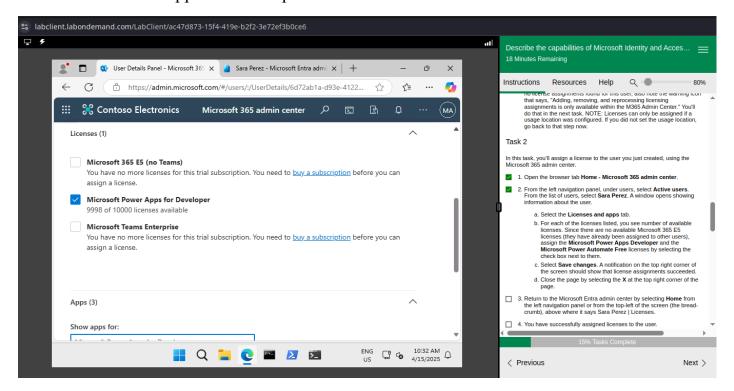
3.3. ROLES ASSIGNMENT

This allows users to be granted special roles to be able to perform certain duties, in this case, duties related to the directory, such as create, delete or modify user ID. The user Sara Perez is not assigned any roles



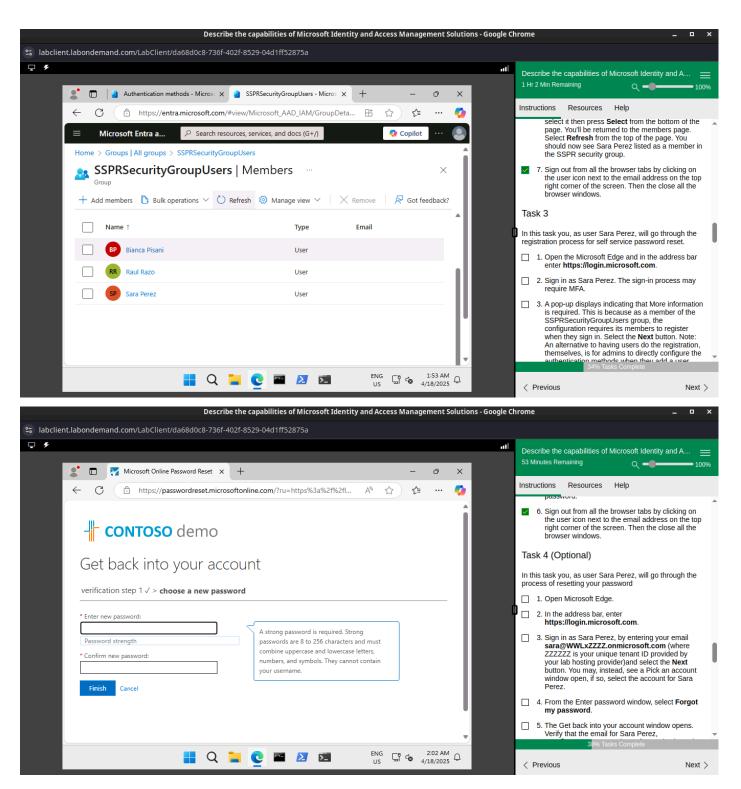
3.4. LICENSES ASSIGNMENT

Licenses allow users to access cloud apps associated with the license assigned to them, such as Microsoft Power Apps for developers and Microsoft 365.



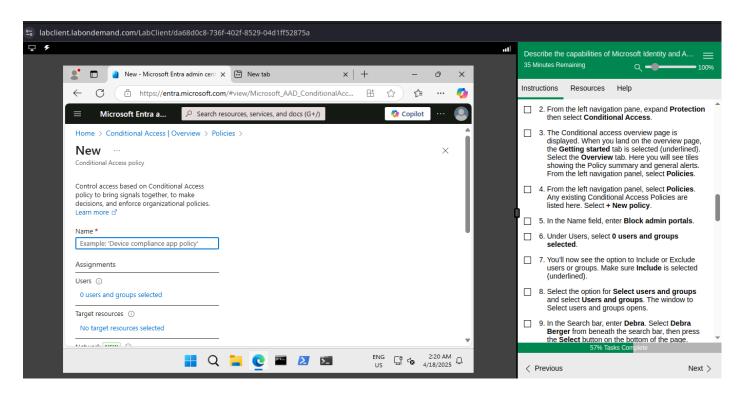
3.5. SELF-SERVICE PASSWORD RESET

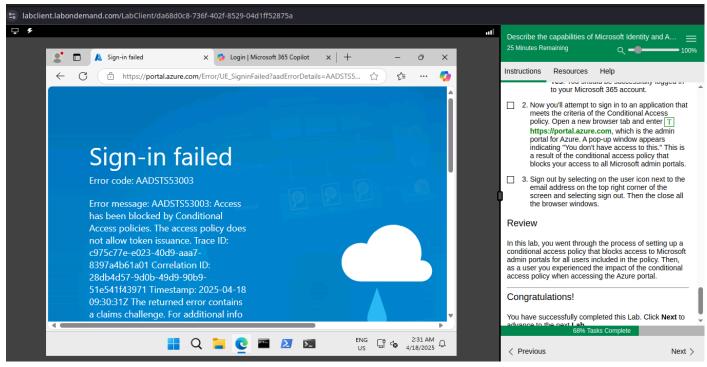
This feature enables a user to reset their password without the intervention of the IT Helpdesk. In the cloud slice lab, the user, Sara Perez, is granted this privilege by adding them to the SSPR Security group, enabling them to reset their password.



3.6. CONDITIONAL ACCESS POLICY

This is a rule that automatically applies access controls based on certain conditions- who the user is, where the user is, the network the user is on, the type of device being used and many more.



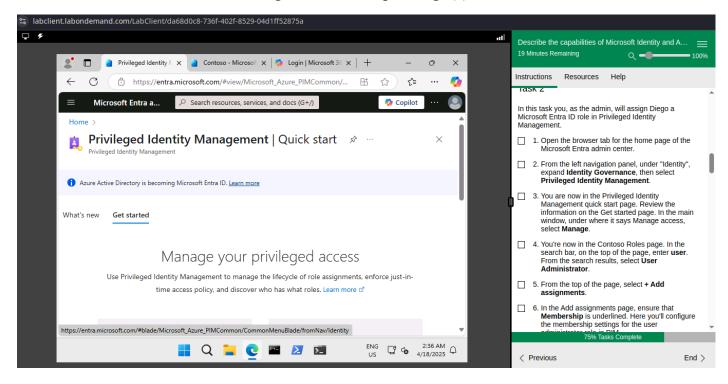


In this scenario Conditional Access policy that denies access to the Azure Cloud Portal for certain users is enforced on the user account, Debra Berger, denying them access upon

sign-in.

3.7. PRIVILEGED IDENTITY MANAGEMENT

This feature allows a user to be assigned a certain privilege(s) or role for a limited time.



Example: The user below has been assigned the role of User Administrator for 2 hours, allowing them to create users, modify user details, reset passwords for users, add users to groups and many more.

