Lab 5 CST8912_011

Tarang Savaj

Sava0207

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Submitted to: Prof. Tanishq Bansal

Lab-5

Title

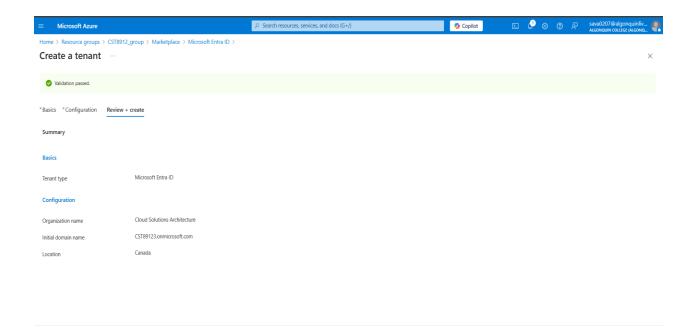
 The implementation of secure and scalable cloud solutions takes place through Microsoft Entra ID.

Introduction

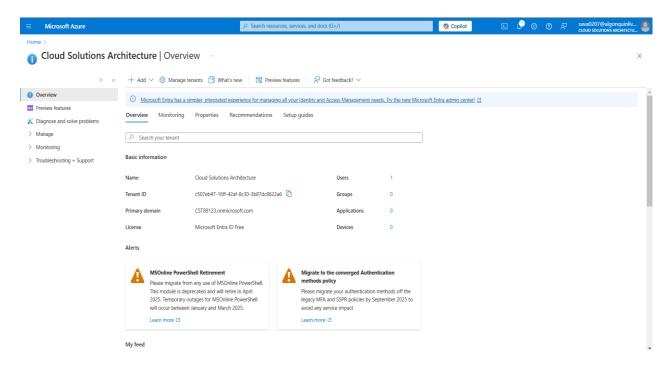
• The Lab allows you to apply Microsoft Entra ID (formerly Azure AD) management skills which entails creating users with roles and groups for building secure scaling cloud solutions. The tasks enable learners to work with vital concepts such as role-based access control (RBAC) and dynamic group memberships and conditional access policies. The assignment also includes duties to work with management groups who organize your resources. The final step will include resource cleanup and documentation of your work process in a detailed report to consolidate your knowledge of cloud security practices and resource management best practices.

Steps

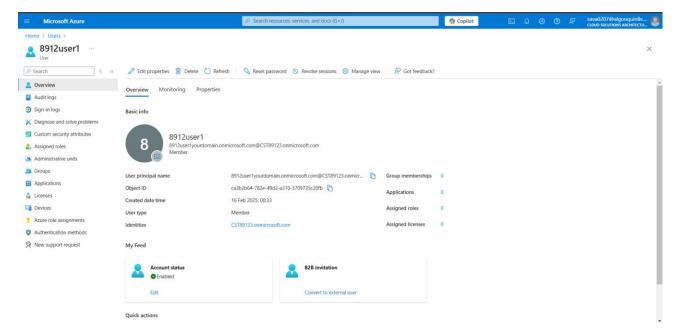
• The assignment consists of tasks that enable deployment of user's groups and roles through Microsoft Entra ID for secure cloud solution development. You should start by making user accounts along with defining roles and adding job titles before setting up static and dynamic groups which require either manual or automatic user attribute-based membership. After implementing role-based access control (RBAC) you will manage permissions for elevated access effectively through the establishment of management groups that organize resources across subscriptions. As the next step you will generate and execute conditional access policies that implement security protocols based on user characteristics alongside access parameters. To conclude you will perform resource cleanup followed by detailed documentation in a comprehensive report that shows your comprehension of cloud security practices and scalability strategies and resource management principles.



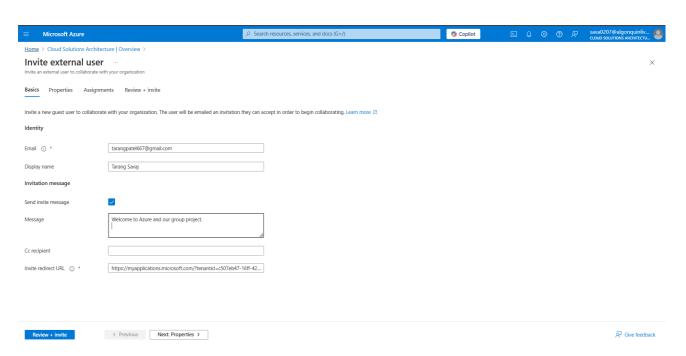
1.1 Creating a tenant



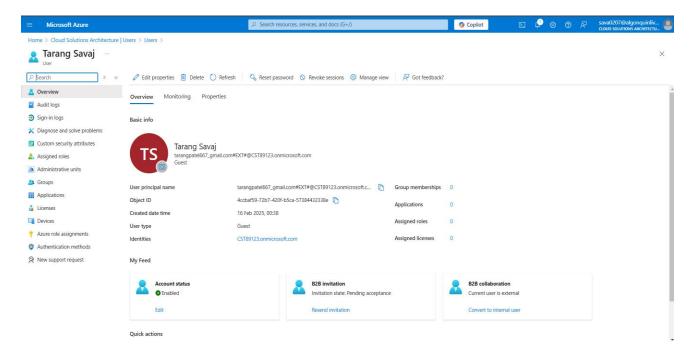
1.2 Tenant Overview



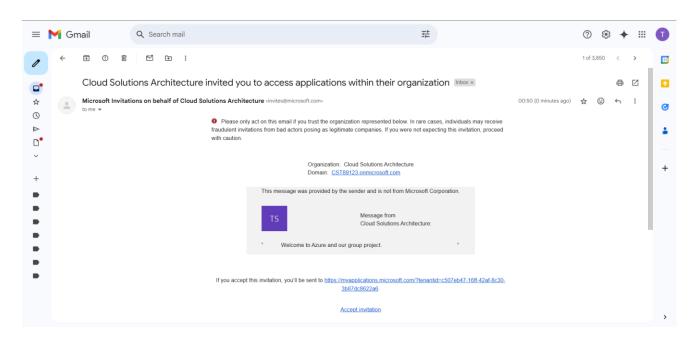
1.3 Created User Overview



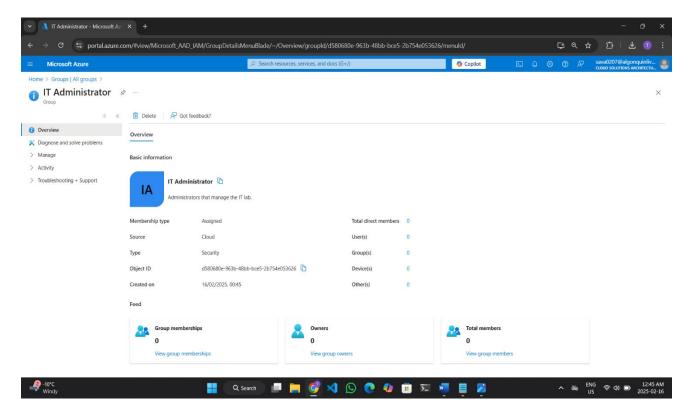
1.4 Inviting external user



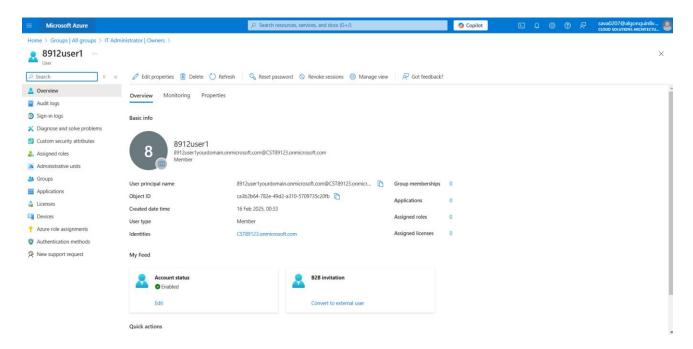
1.5 invited external user's overview



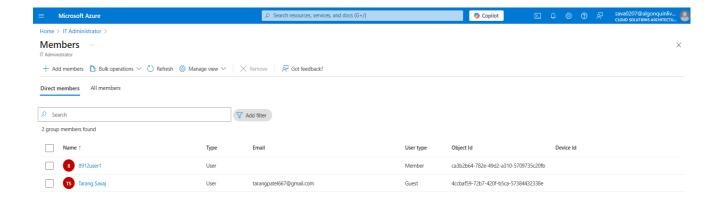
1.6 External user invitation



2.1 Created Group overview

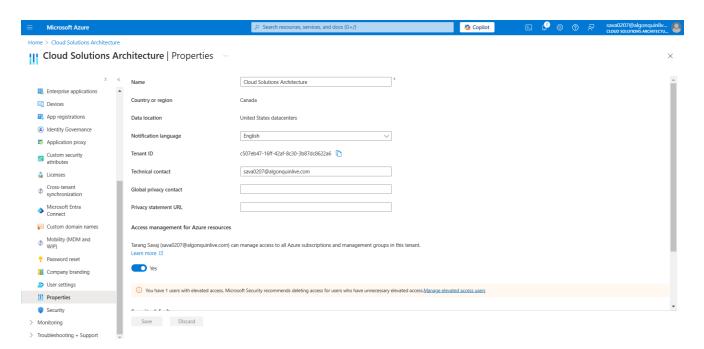


2.2 Owner Added and showing overview

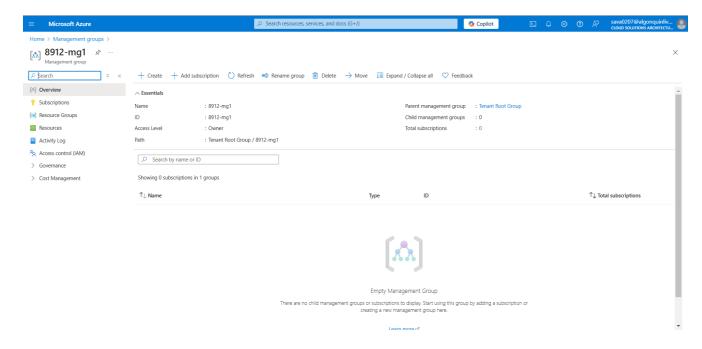


2.3 Added both member (user and guest)

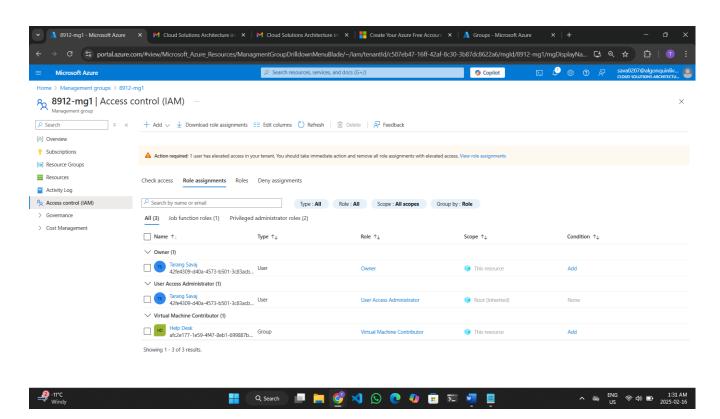
https://portal.azure.com/#



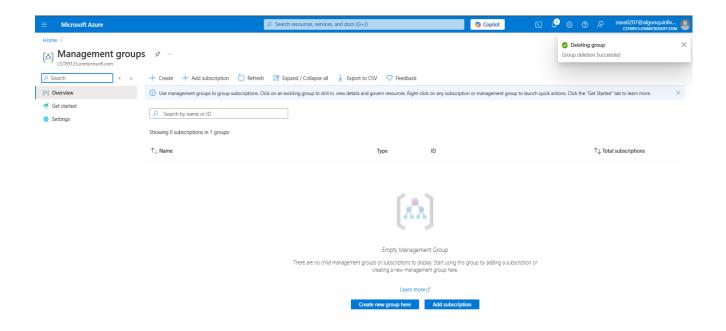
3.1 Showing access management for Azure resources is ON



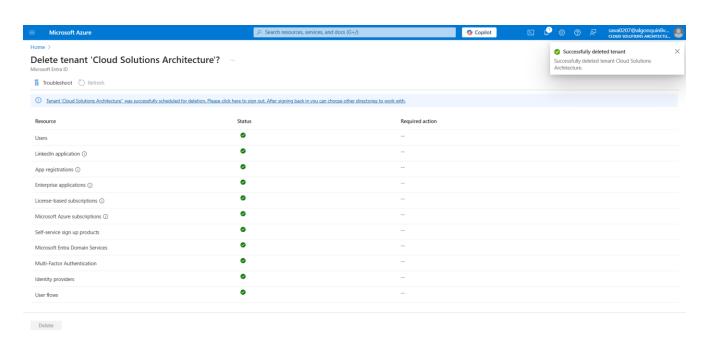
3.2 Created Management Group overview



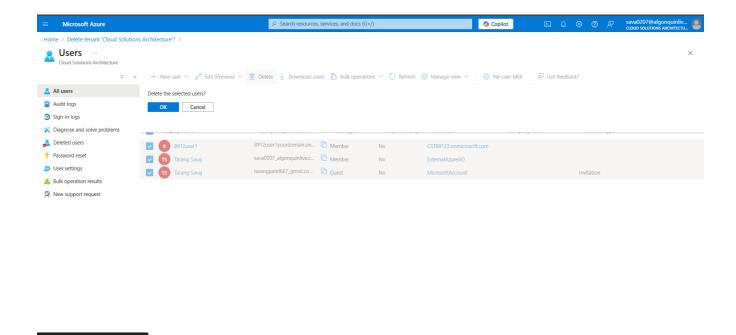
4.1 showing Role assignments with Help Desk has a virtual machine contributor



5.1 Deleting management groups



5.2 Deleting Tenant



5.3 Deleting Users

References

• References for this task are taken from the provided lab file.