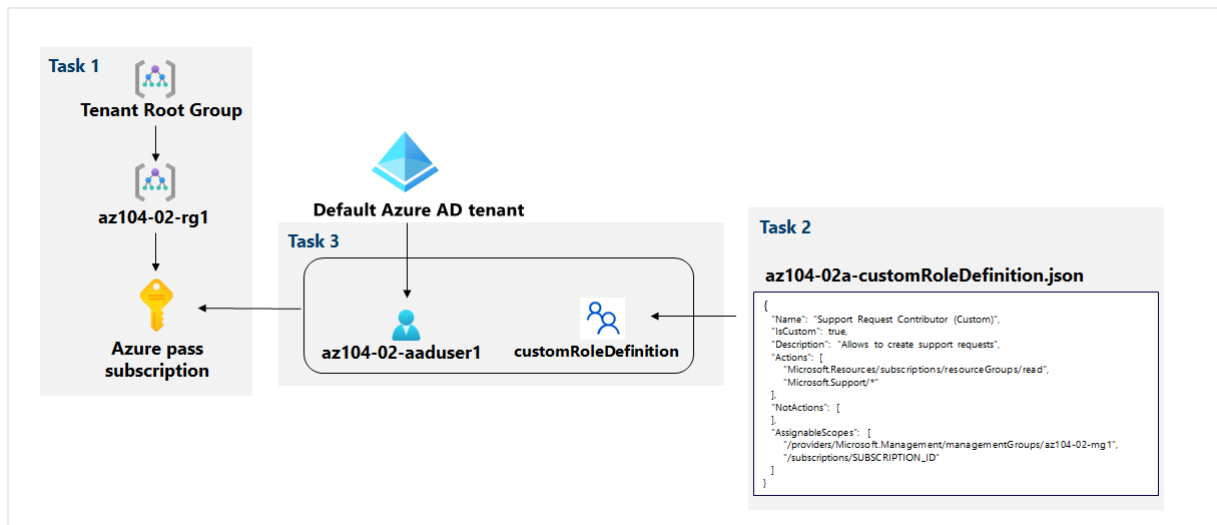
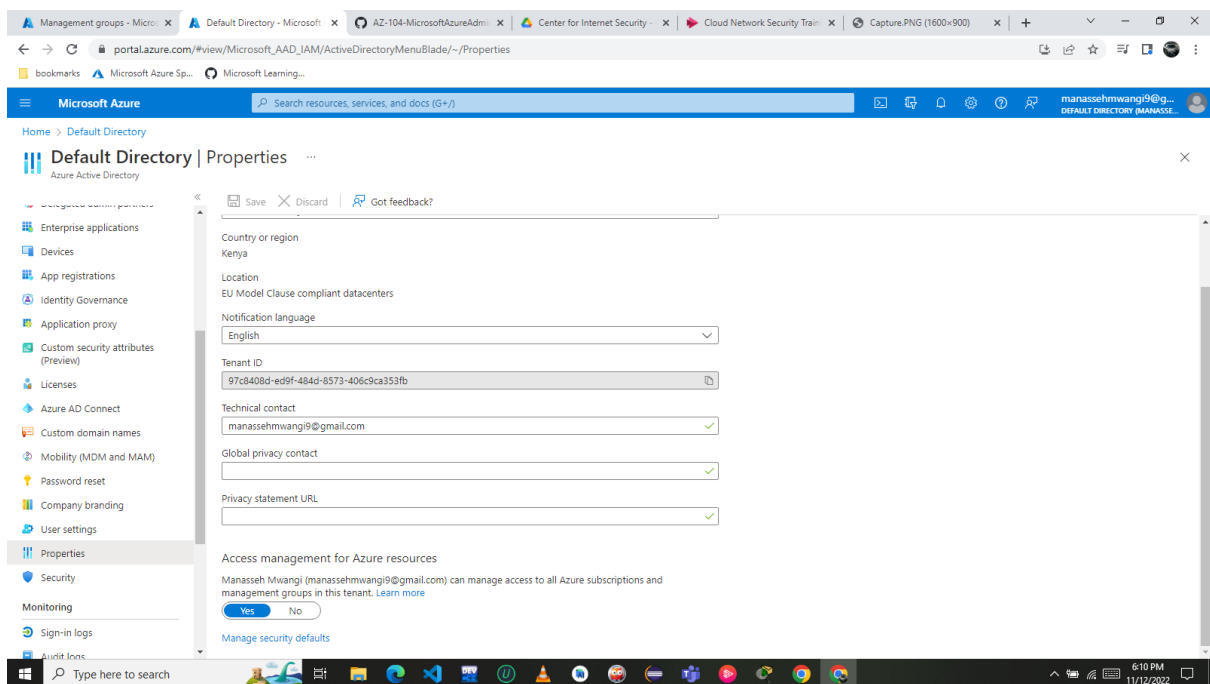


Lab 02a - Manage Subscriptions and RBAC

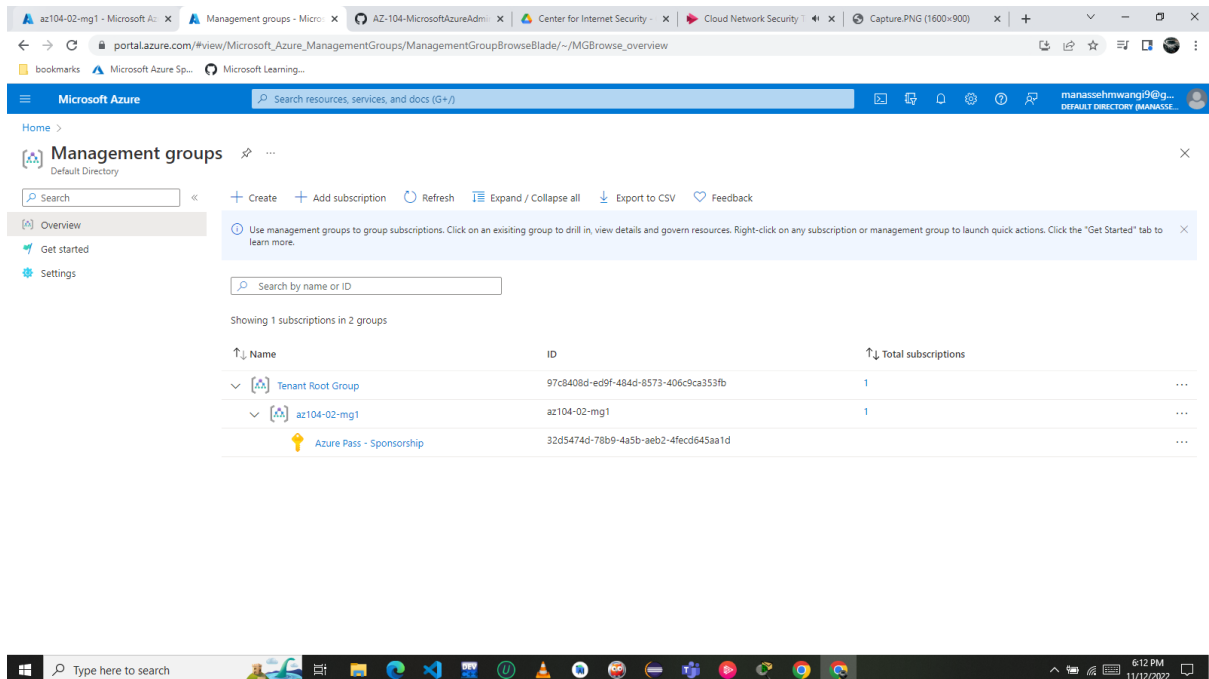
Architecture diagram



On the **Properties** blade of your Azure Active Directory tenant, in the **Access management for Azure resources** section, select **Yes** and then select **Save**



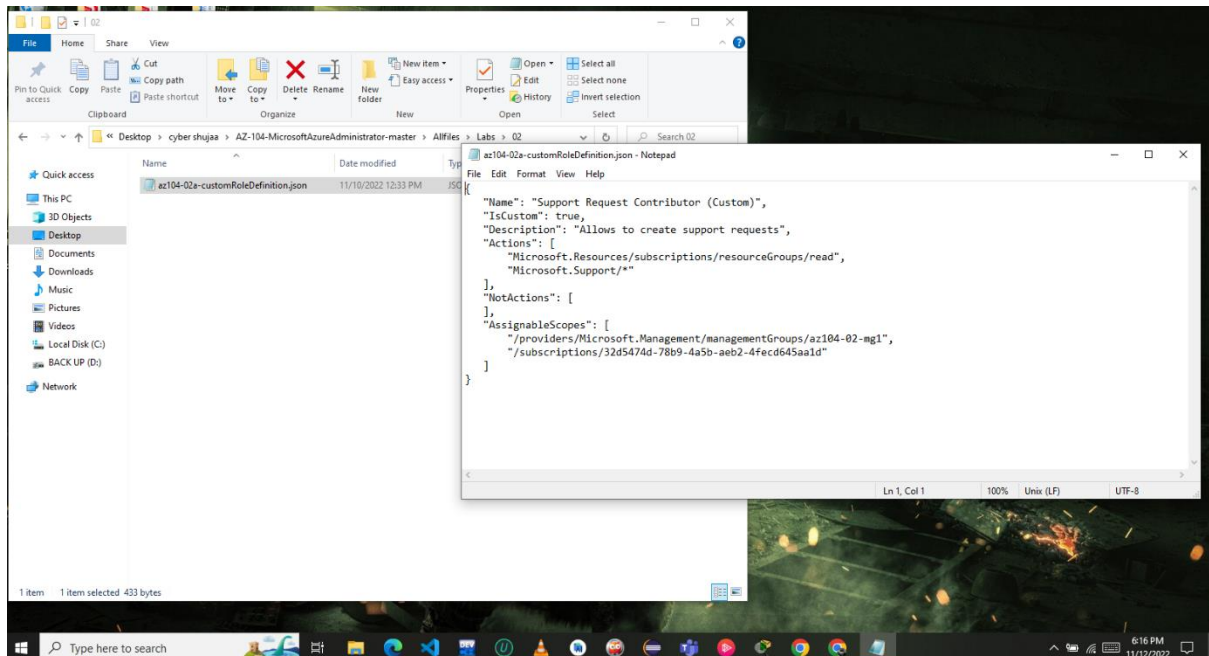
Create a management group with the following settings: **az104-02-mg1** select the subscription you are using in this lab and click **Save**.



The screenshot shows the Microsoft Azure portal's 'Management groups' overview page. The page title is 'Management groups' and it shows 'Showing 1 subscriptions in 2 groups'. The table below lists the subscriptions:

Name	ID	Total subscriptions
Tenant Root Group	97c8408d-ed9f-484d-8573-406c9ca353fb	1
az104-02-mg1	az104-02-mg1	1
Azure Pass - Sponsorship	32d5474d-78b9-4a5b-aeb2-4fec645aa1d	

Replace the SUBSCRIPTION_ID placeholder in the JSON file with the subscription ID you copied into Clipboard and save the change.

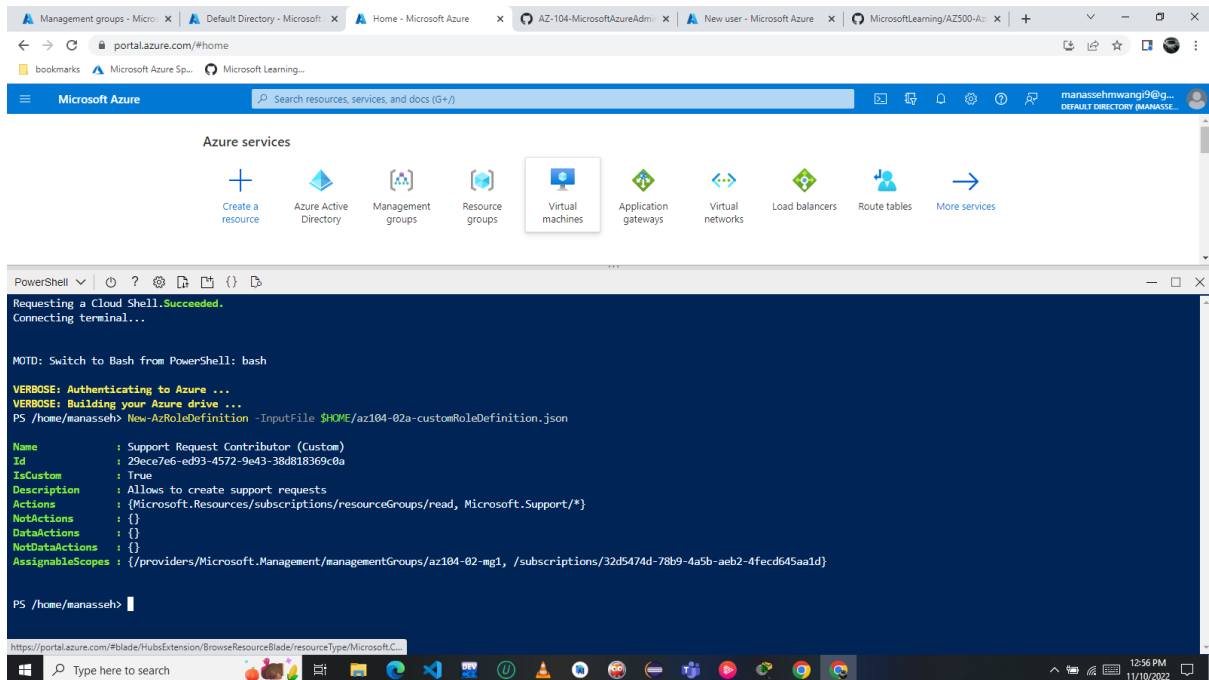


The screenshot shows a Windows File Explorer window with the file 'az104-02a-customRoleDefinition.json' selected. The file is open in Notepad, displaying the following JSON content:

```
{
  "Name": "Support Request Contributor (Custom)",
  "IsCustom": true,
  "Description": "Allows to create support requests",
  "Actions": [
    "Microsoft.Resources/subscriptions/resourceGroups/read",
    "Microsoft.Support/*"
  ],
  "NotActions": [
  ],
  "AssignableScopes": [
    "/providers/Microsoft.Management/managementGroups/az104-02-mg1",
    "/subscriptions/32d5474d-78b9-4a5b-aeb2-4fec645aa1d"
  ]
}
```

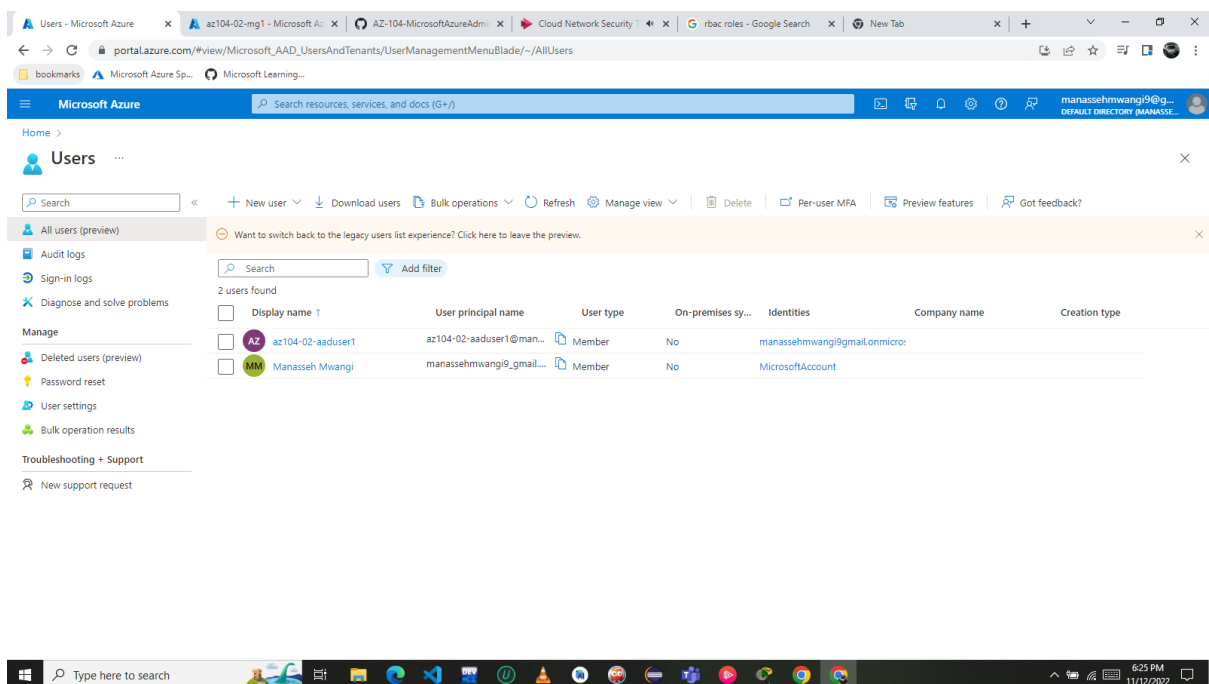
From the Cloud Shell pane, run the following to create the custom role definition:

New-AzRoleDefinition -InputFile \$HOME/az104-02a-customRoleDefinition.json

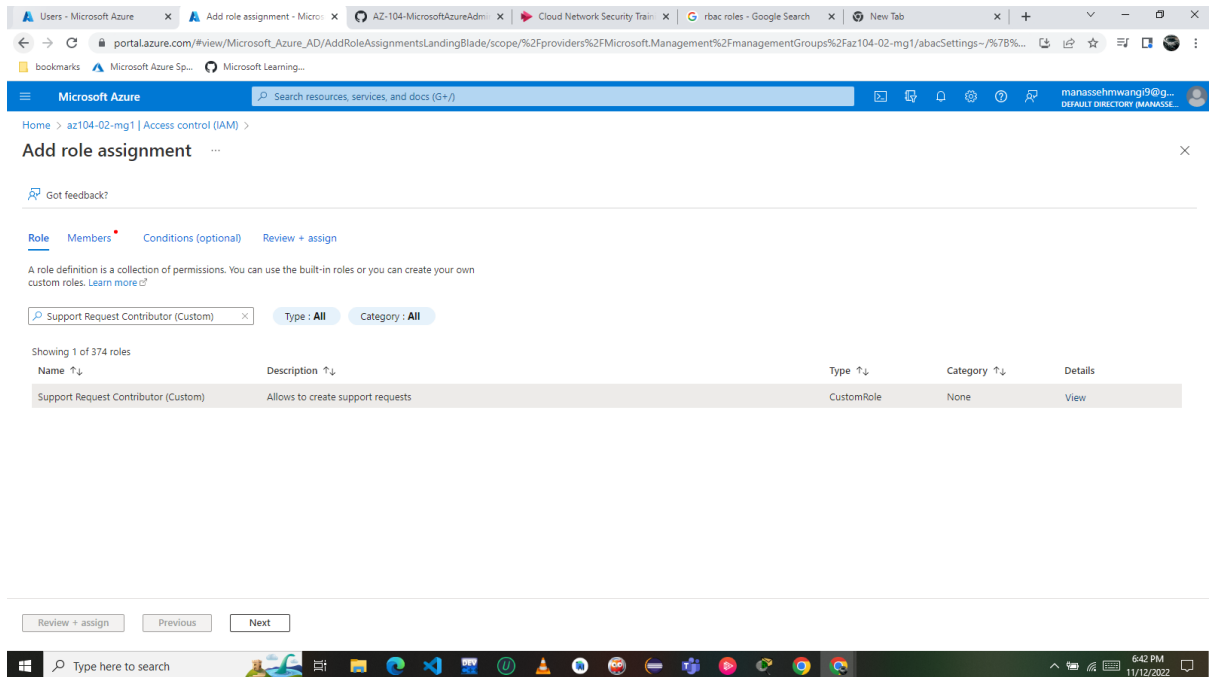


Task 3: Assign RBAC roles

Create a new user with the following settings (leave others with their defaults): **az104-02-aaduser1** & Provide a secure password



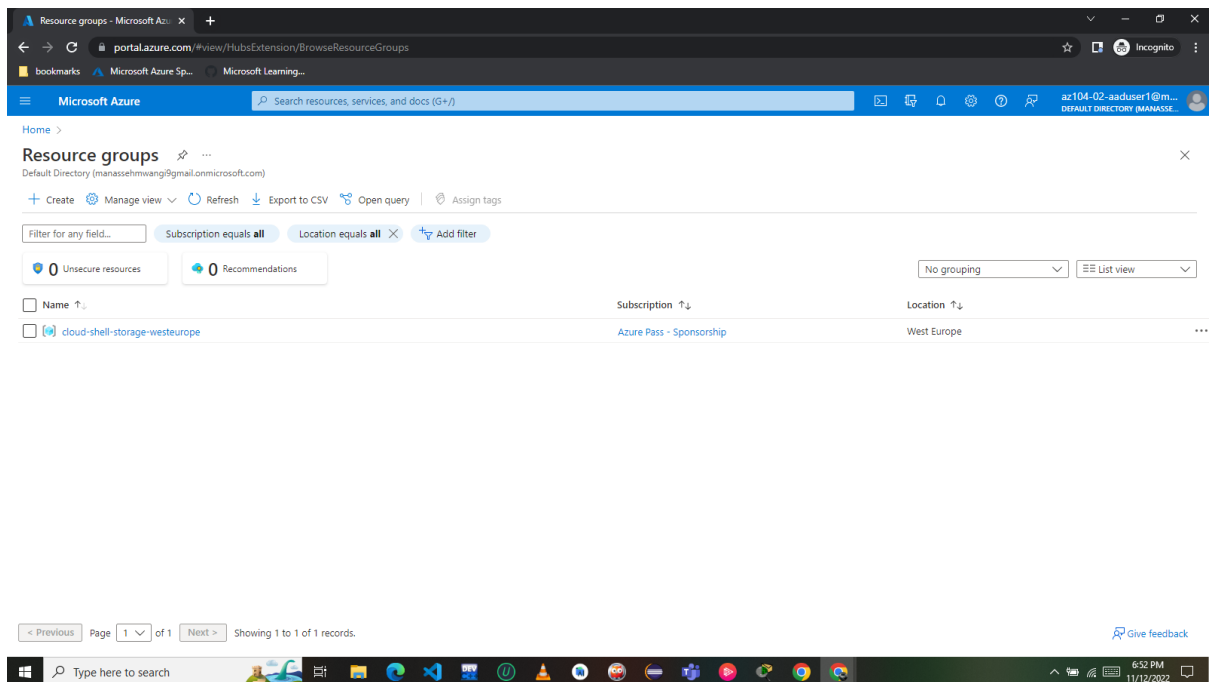
Click **Access Control (IAM)**, **Add role assignment** search for **Support Request Contributor (Custom)**.



Microsoft Azure portal interface showing the 'Add role assignment' page. The page displays a search bar with 'Support Request Contributor (Custom)' entered. Below the search bar, there is a table of roles. The table has columns for Name, Description, Type, Category, and Details. The role 'Support Request Contributor (Custom)' is listed with the description 'Allows to create support requests'.

Name	Description	Type	Category	Details
Support Request Contributor (Custom)	Allows to create support requests	CustomRole	None	View

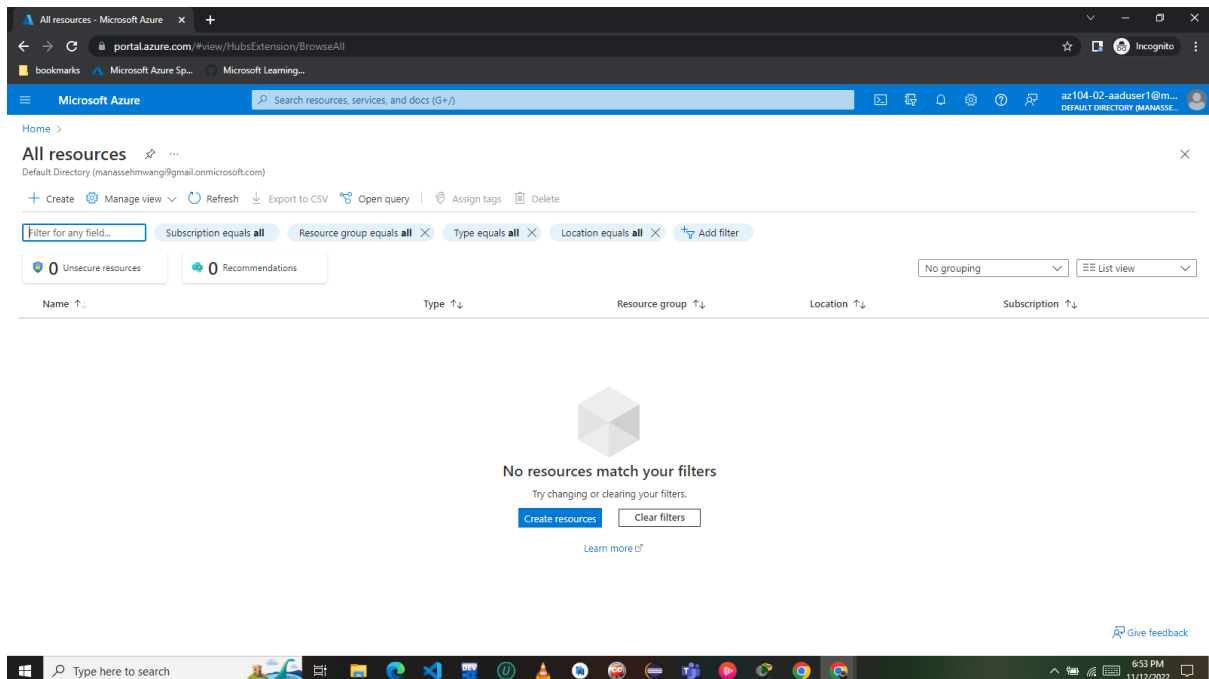
In the **InPrivate** browser window, in the Azure portal, search and select **Resource groups** to verify that the az104-02-aaduser1 user can see all resource groups.



Microsoft Azure portal interface showing the 'Resource groups' page. The page displays a list of resource groups. The resource group 'cloud-shell-storage-west-europe' is listed with the subscription 'Azure Pass - Sponsorship' and location 'West Europe'.

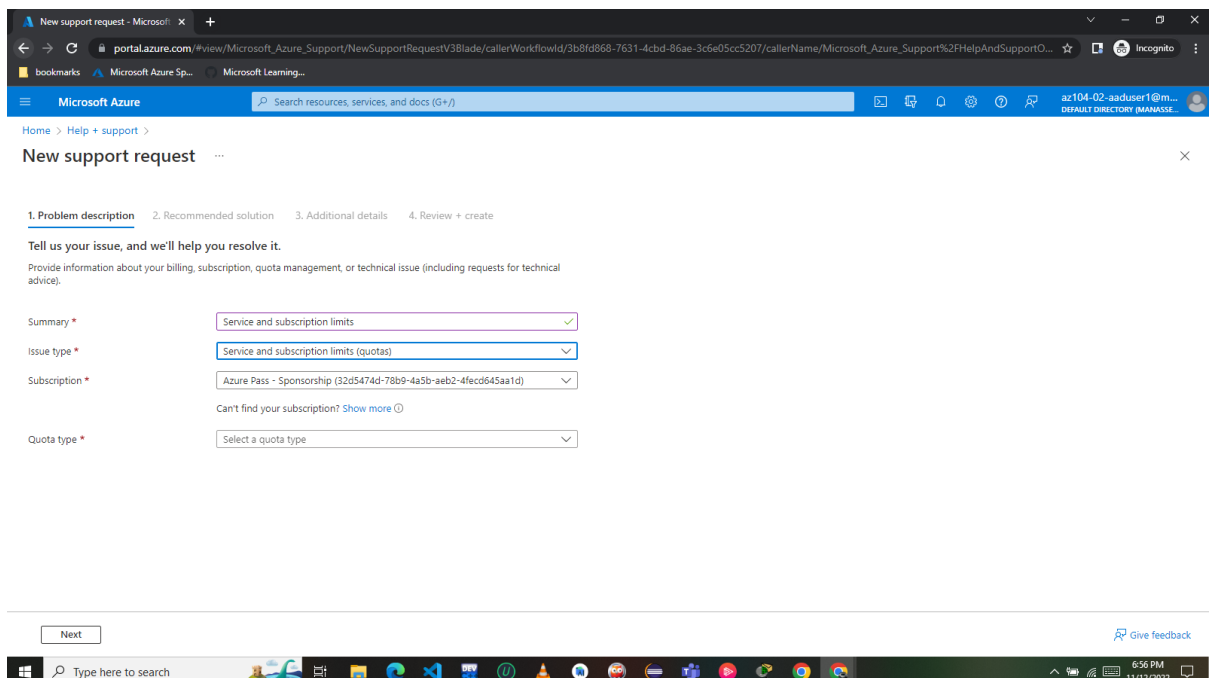
Name	Subscription	Location
cloud-shell-storage-west-europe	Azure Pass - Sponsorship	West Europe

In the **InPrivate** browser window, in the Azure portal, search and select **All resources** to verify that the az104-02-aaduser1 user cannot see any resources.



In the **InPrivate** browser window, in the Azure portal, search and select **Help + support**

In the Summary field and select the **Service and subscription limits (quotas)** issue type.



Task 4: Clean up resources

On the **az104-02-aaduser1 - Profile** blade, copy the value of **Object ID** attribute.

The screenshot shows the Microsoft Azure portal interface. The user profile for 'az104-02-aaduser1' is displayed. The 'Basic info' section contains the following details:

Attribute	Value
User principal name	az104-02-aaduser1@manassehwmwang@gmail.onmicrosoft.com
Object ID	c44c5f64-2b8b-4cff-abd0-7470e6ebbb08
Created date time	Nov 12, 2022, 6:23 PM
User type	Member
Identities	manassehwmwang@gmail.onmicrosoft.com

The 'My Feed' section shows the account status as 'Enabled' and the last sign-in time as 'Nov 12, 2022, 6:39 PM'.

From the Cloud Shell pane, run the following to remove the assignment of the custom role definition

The screenshot shows the Azure Cloud Shell terminal. The user has run the following command to remove the role assignment:

```
Remove-AzRoleAssignment -ObjectId 'c44c5f64-2b8b-4cff-abd0-7470e6ebbb08' -RoleDefinitionName 'Support Request Contributor (Custom)' -Scope $scope
```

The output of the command is:

```
Successfully removed role assignment for AD object 'c44c5f64-2b8b-4cff-abd0-7470e6ebbb08' on scope '/providers/Microsoft.Management/managementGroups/az104-02-mg1' with role definition 'Support Request Contributor (Custom)'
```

On the **Management groups** blade, select the **ellipsis** icon next to your subscription under the **az104-02-mg1** management group and select **Move** to move the subscription to the **Tenant Root management group**.

The screenshot shows the Microsoft Azure portal interface. The 'Management groups' blade is active, displaying a list of management groups. The 'az104-02-mg1' group is selected, showing its subscriptions. The 'Tenant Root Group' is also visible. The 'Notifications' pane on the right shows a message about updating a subscription.

Name	ID
Tenant Root Group	97c8408d-ed9f-484d-8573-406c9ca353fb
Azure Pass - Sponsorship	32d5474d-78b9-4a5b-aeb2-4fec645aa1d
az104-02-mg1	az104-02-mg1

Navigate back to the **Management groups** blade, click the **ellipsis** icon to the right of the **az104-02-mg1** management group and click **Delete**.

The screenshot shows the Microsoft Azure portal interface. The 'Management groups' blade is active, displaying a list of management groups. The 'az104-02-mg1' group is selected, showing its subscriptions. The 'Tenant Root Group' is also visible. The 'Notifications' pane on the right shows a message about deleting a group.

Name	ID
Tenant Root Group	97c8408d-ed9f-484d-8573-406c9ca353fb
Azure Pass - Sponsorship	32d5474d-78b9-4a5b-aeb2-4fec645aa1d