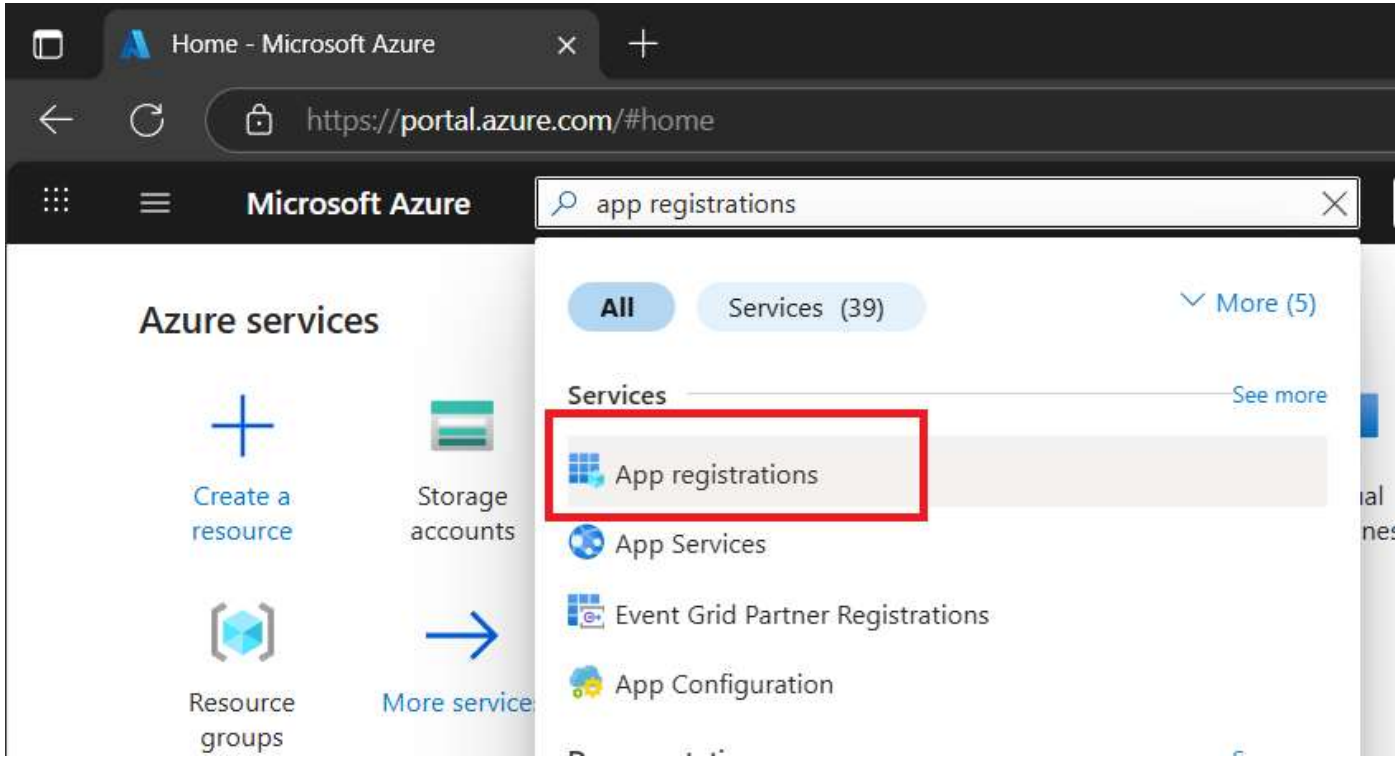
Creating an App Registration (SPN/AppID) for AVD Environments

Here's a step by step approach to creating an App Registration (also known as Service Principal Name (SPN) or App ID) which will be used to authenticate with your AVD infrastructure in Azure to manage locked profiles on Azure File Shares and/or retrieve hosts and session information from AVD host pools so that users can logout and end their own hung sessions.

Step 1 - Create an App Registration

In the Azure Portal, type "app registrations" and select it.



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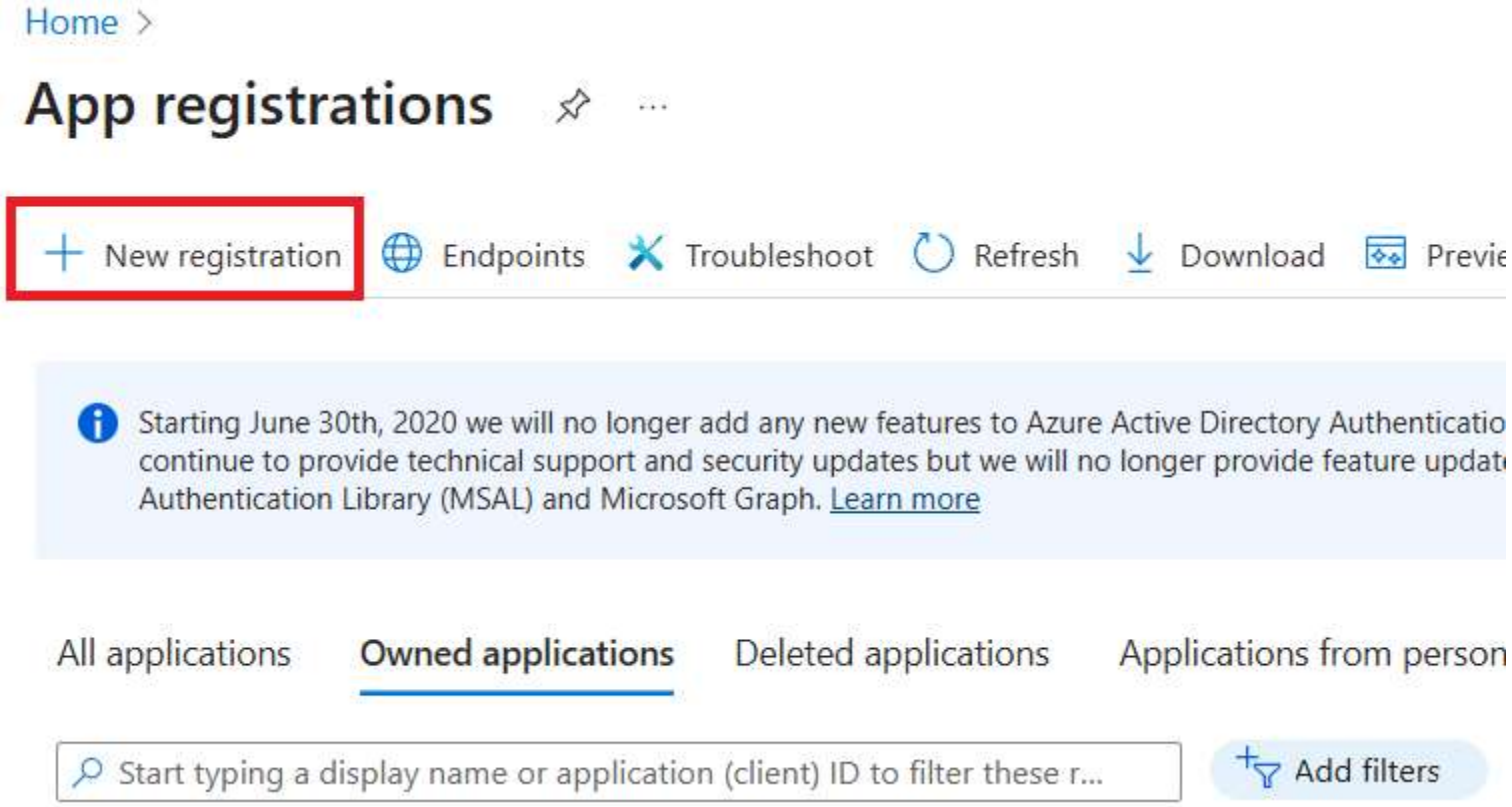
Click "New Registration", and in the next screen, give it a name and click "Register."



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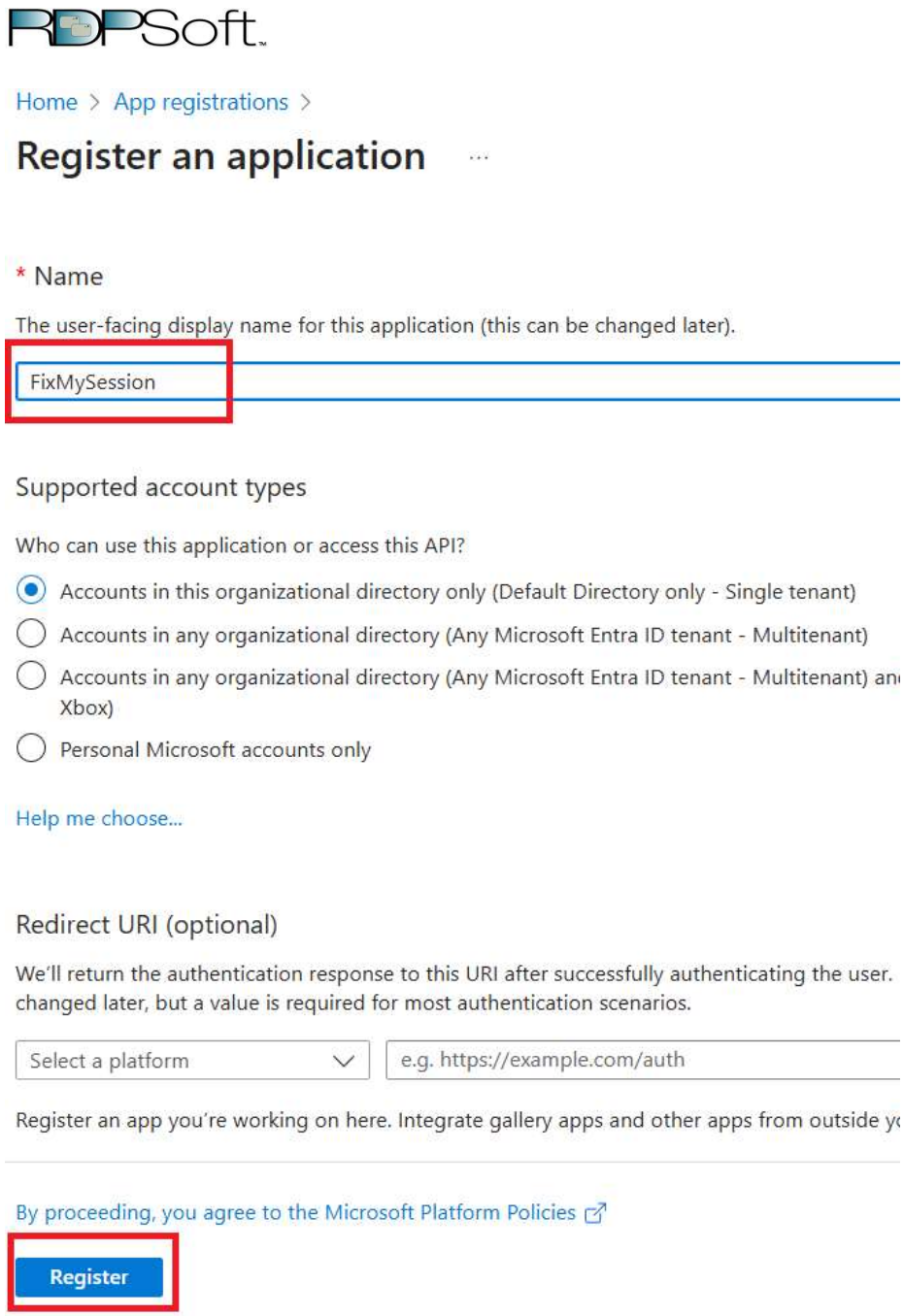

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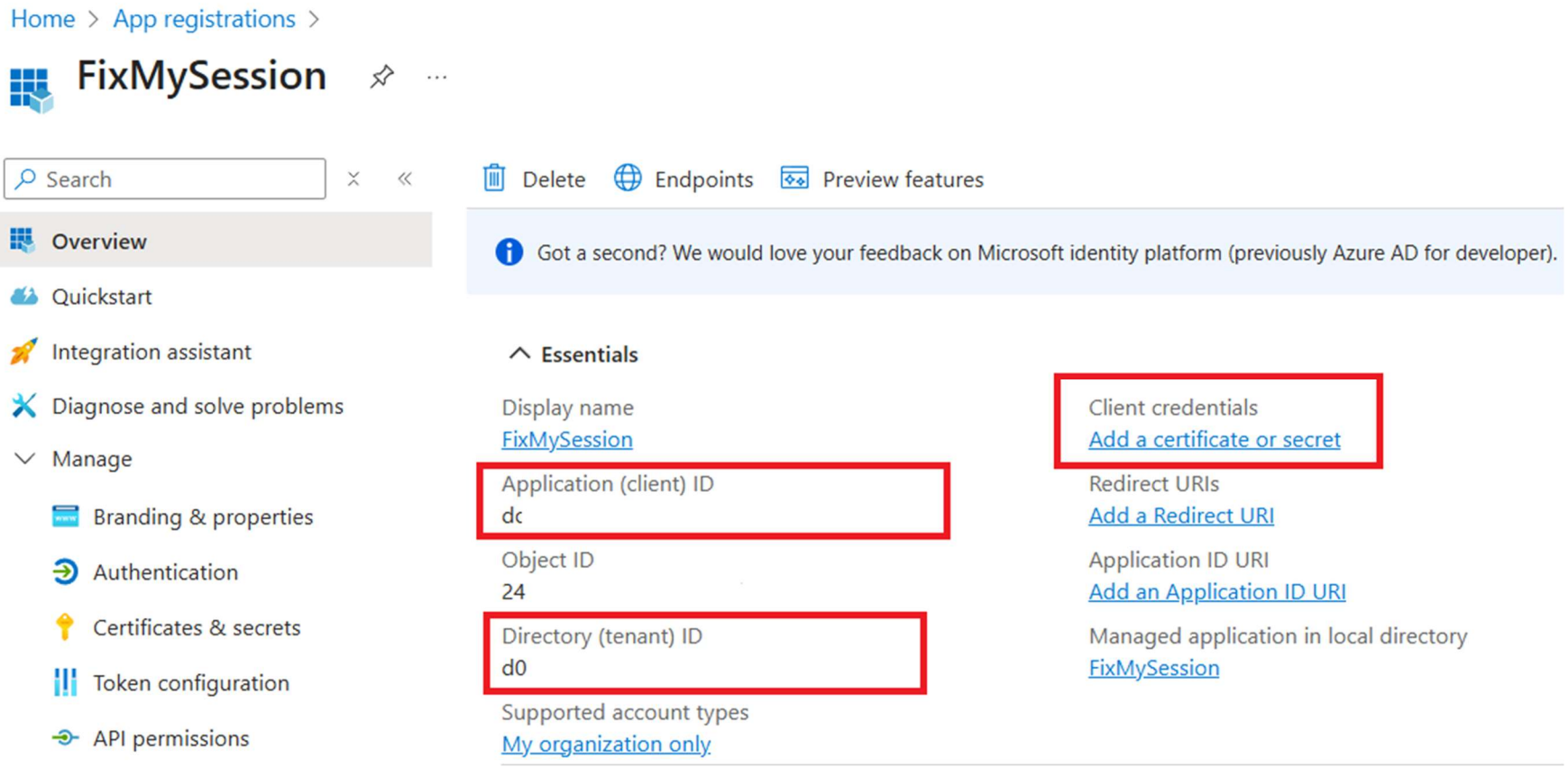
Write down the Application ID and Directory (tenant) ID. Then, click "Add a certificate or secret."



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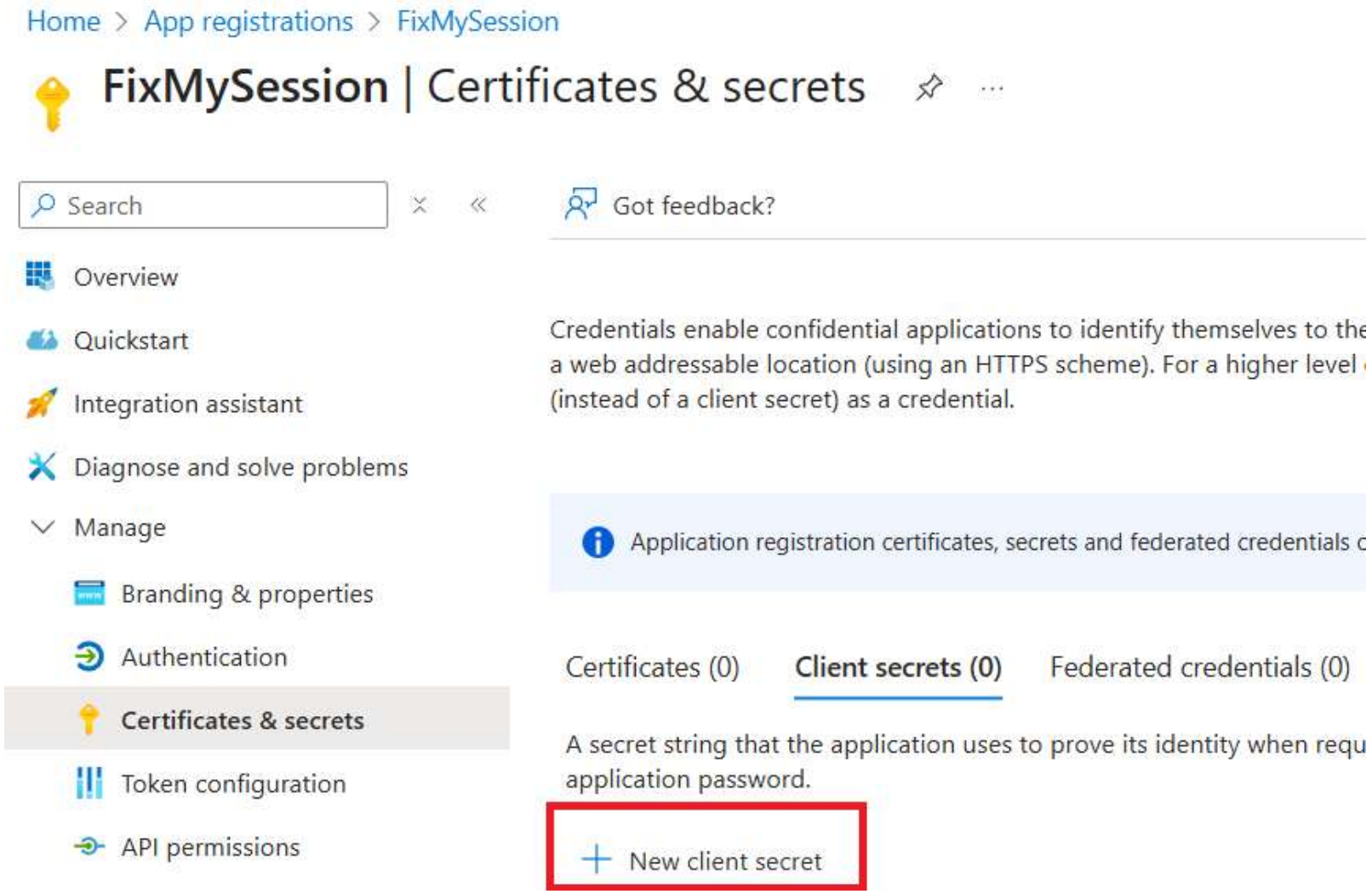
Click "New Client Secret," then type in a Client Secret Name and choose your preferred Secret Expiration period. When this secret expiration period elapses, you will need to create a new client secret in order for Fix My Session to continue working.



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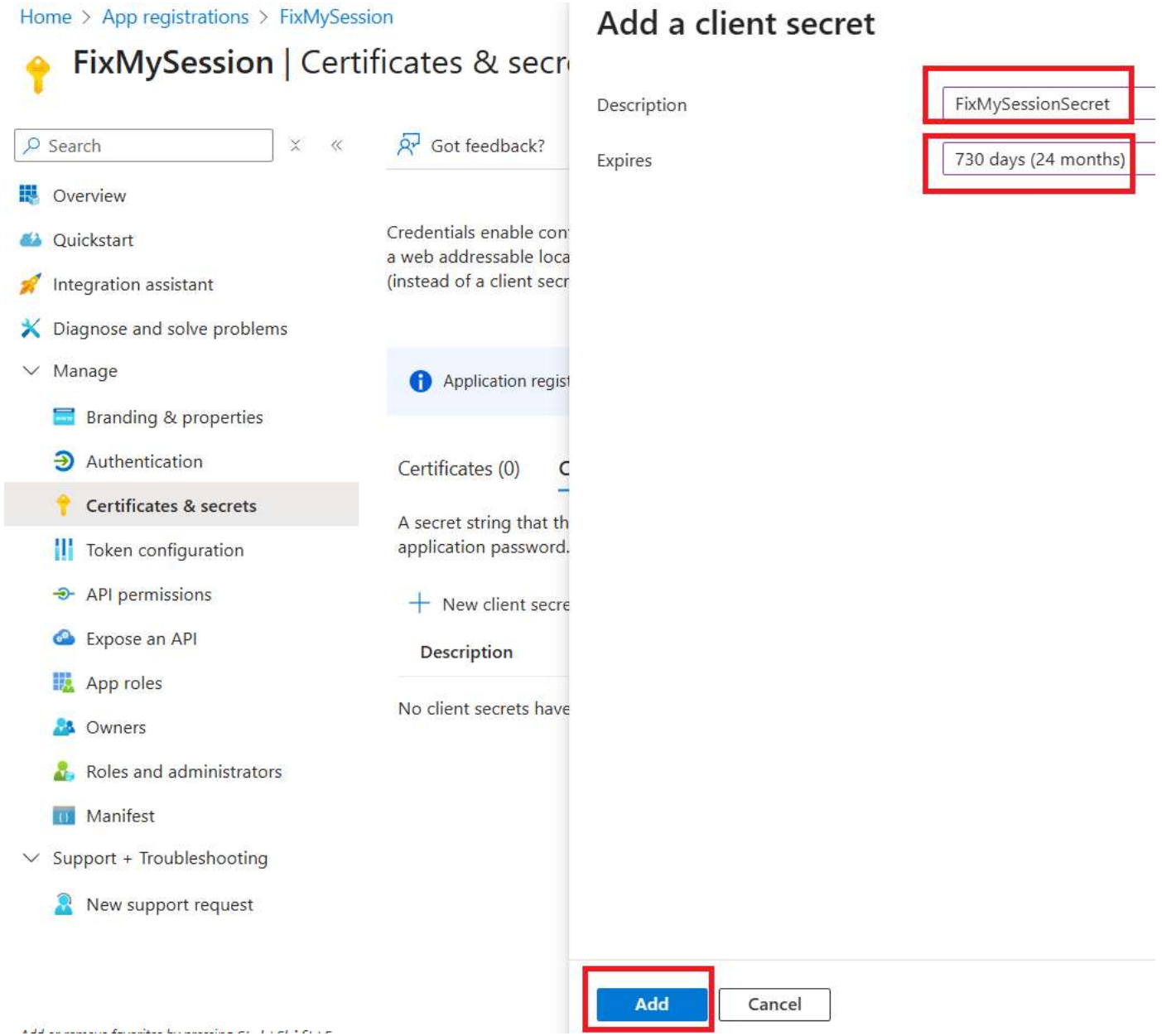

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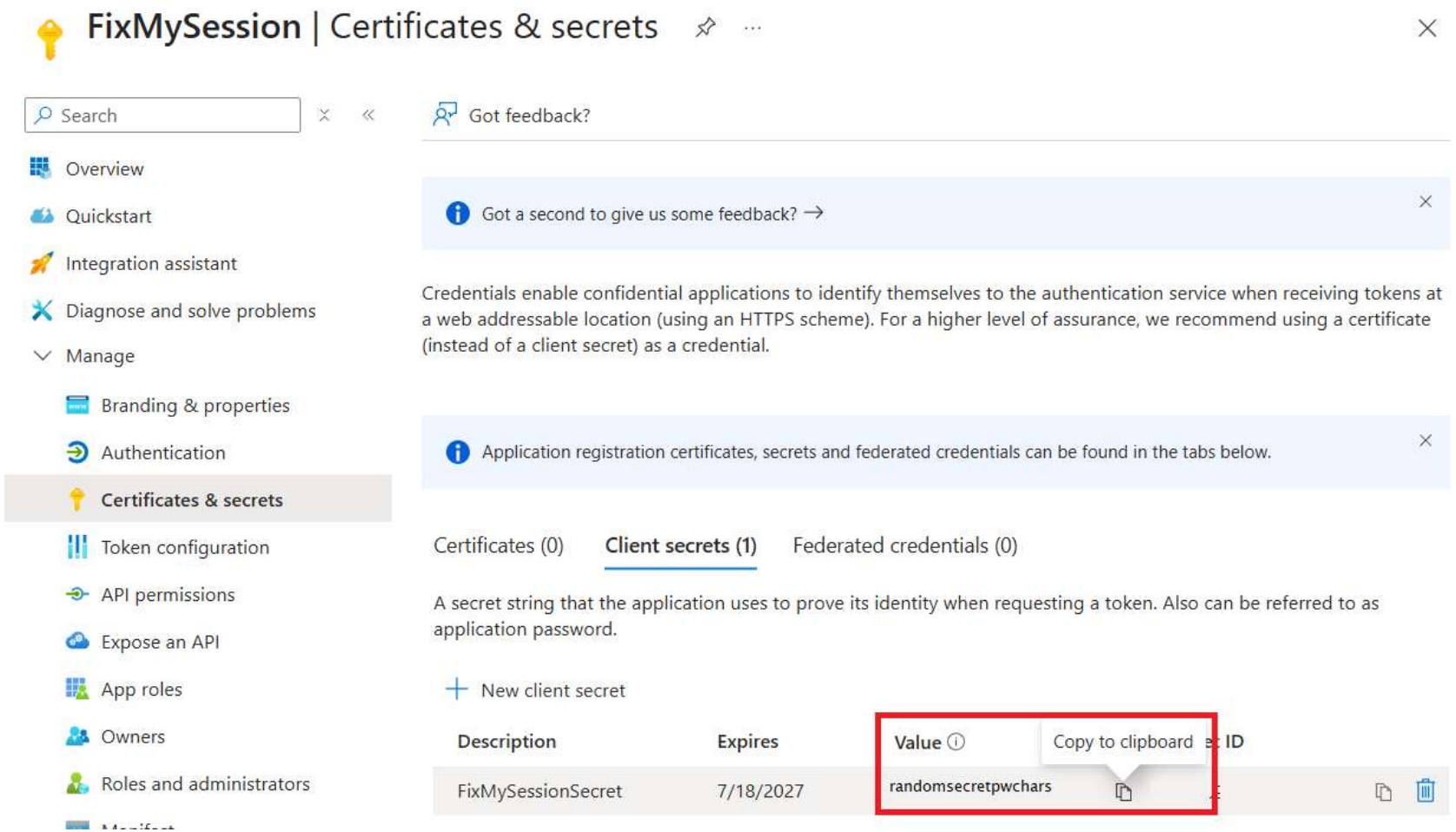
IMPORTANT: Now immediately copy the Client Secret Value to the clipboard and save it alongside the Application ID and Tenant ID above. You will need to supply this credential information to Fix My Session when configuring it.



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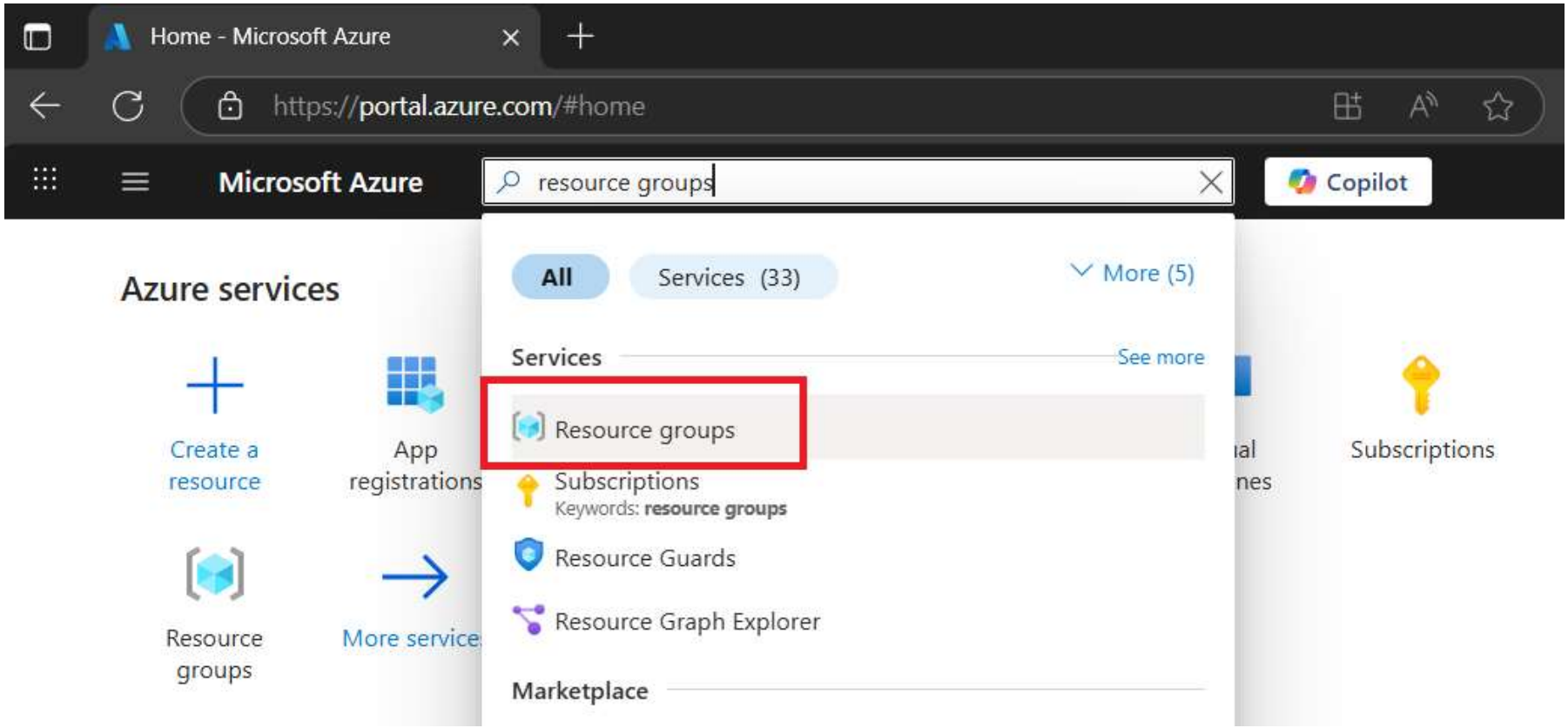
Step 2 - Assign IAM Roles To Your App Registration

In the Azure Portal, type "resource groups" and select it.



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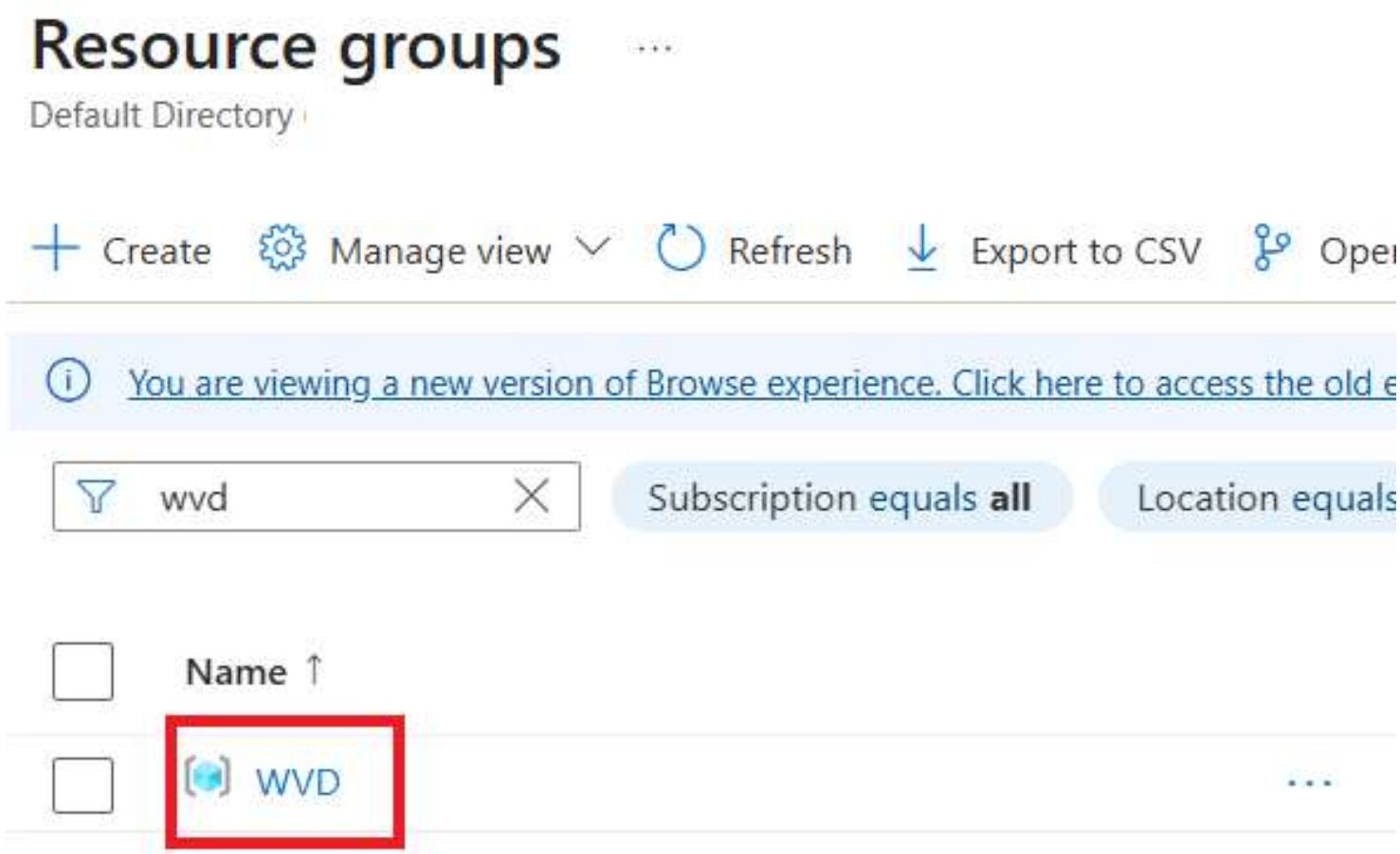
Click on the name of the Resource Group that houses your AVD host pools.



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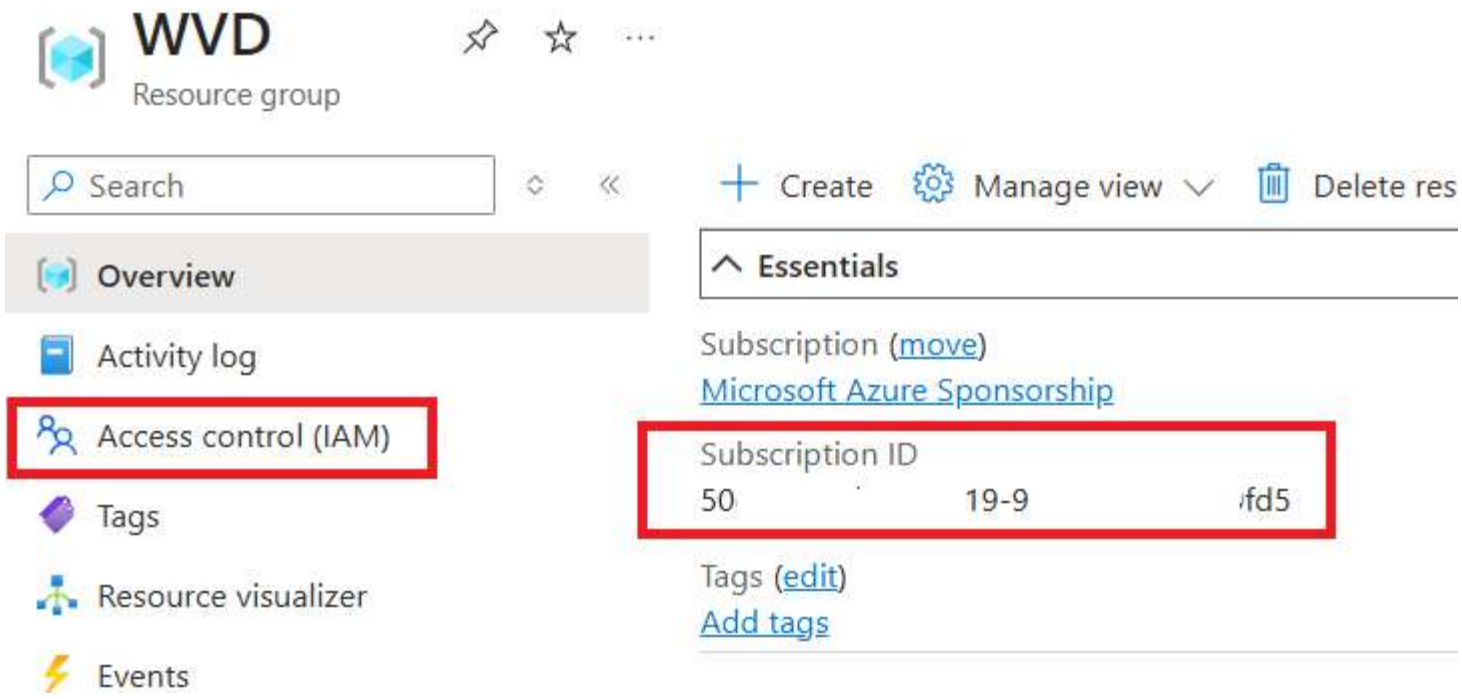
Make a note of the Subscription ID of this resource group. You will need this information later when supplying credentials to the Fix My Session application. Then, click "Access Control (IAM)."



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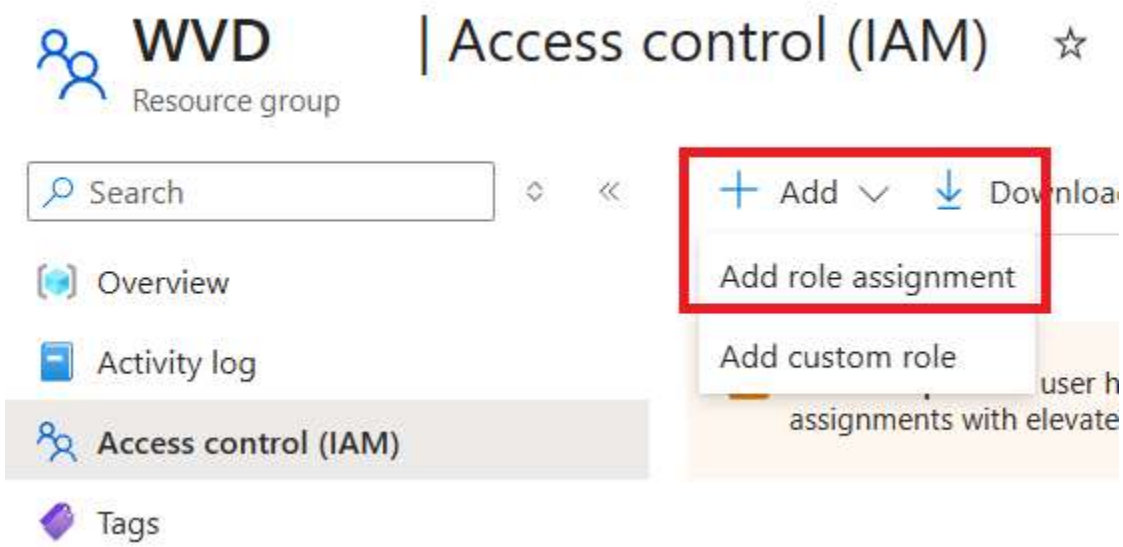
Click on the "+Add" menu to add a role assignment.



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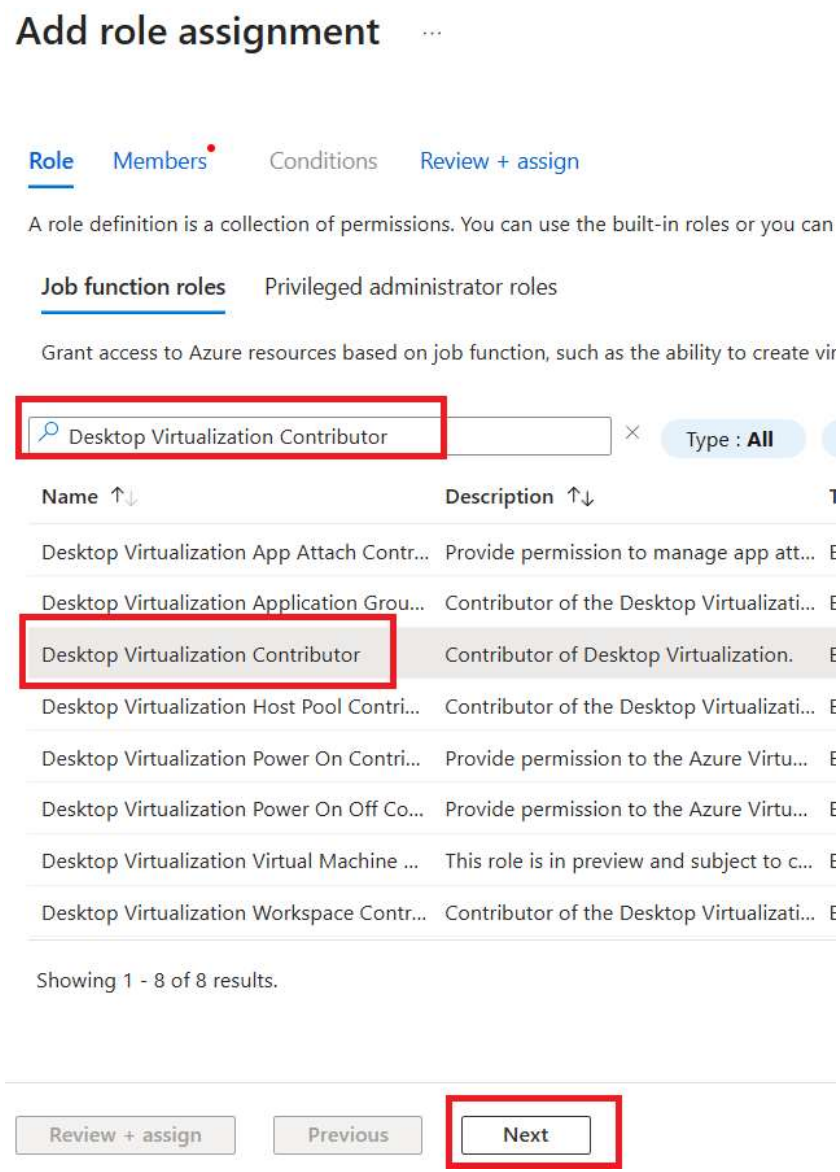
Search for the *Desktop Virtualization Contributor* Role, select it, and click "Next."



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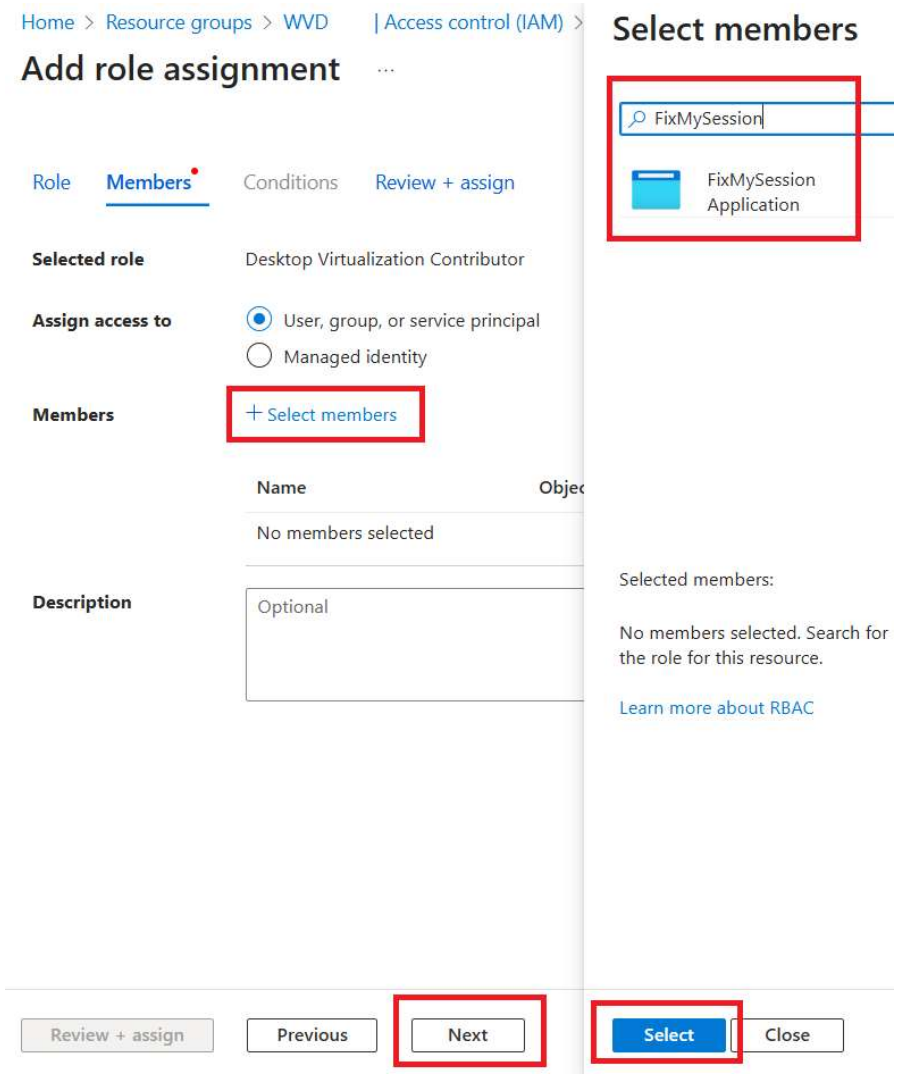
In the Add Role Assignment area, click "+Select Members." Then type the name of the App Registration you created in Step 1, select it, and click "Select." Finally, click "Next."



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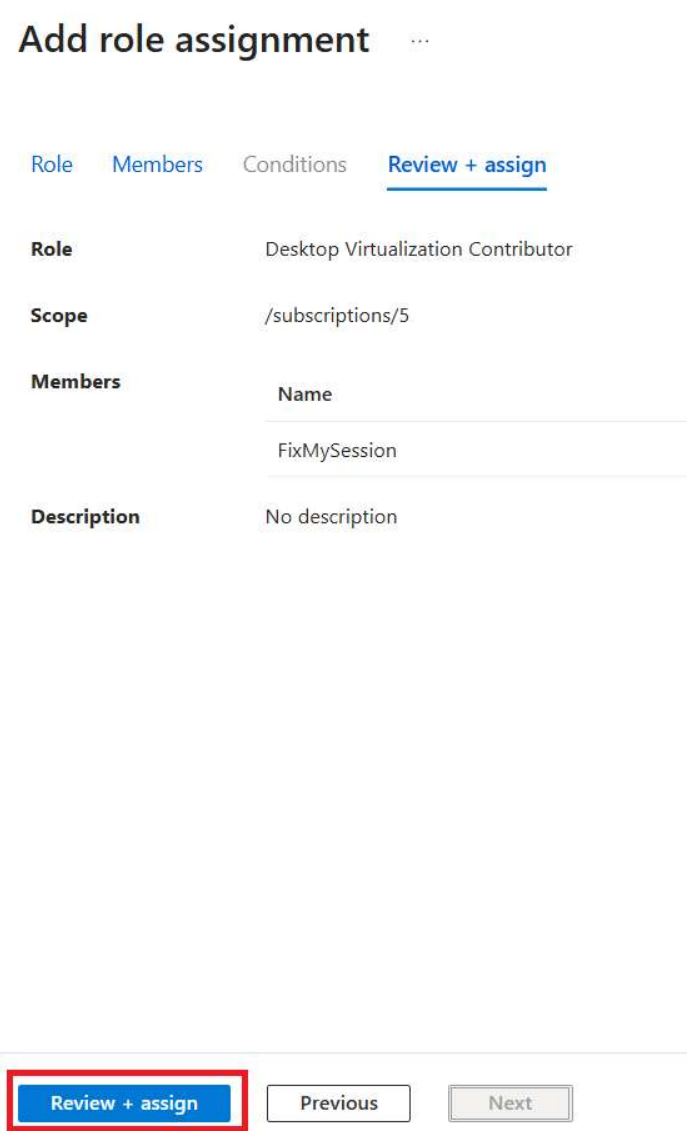
Finally, click Review and Assign.



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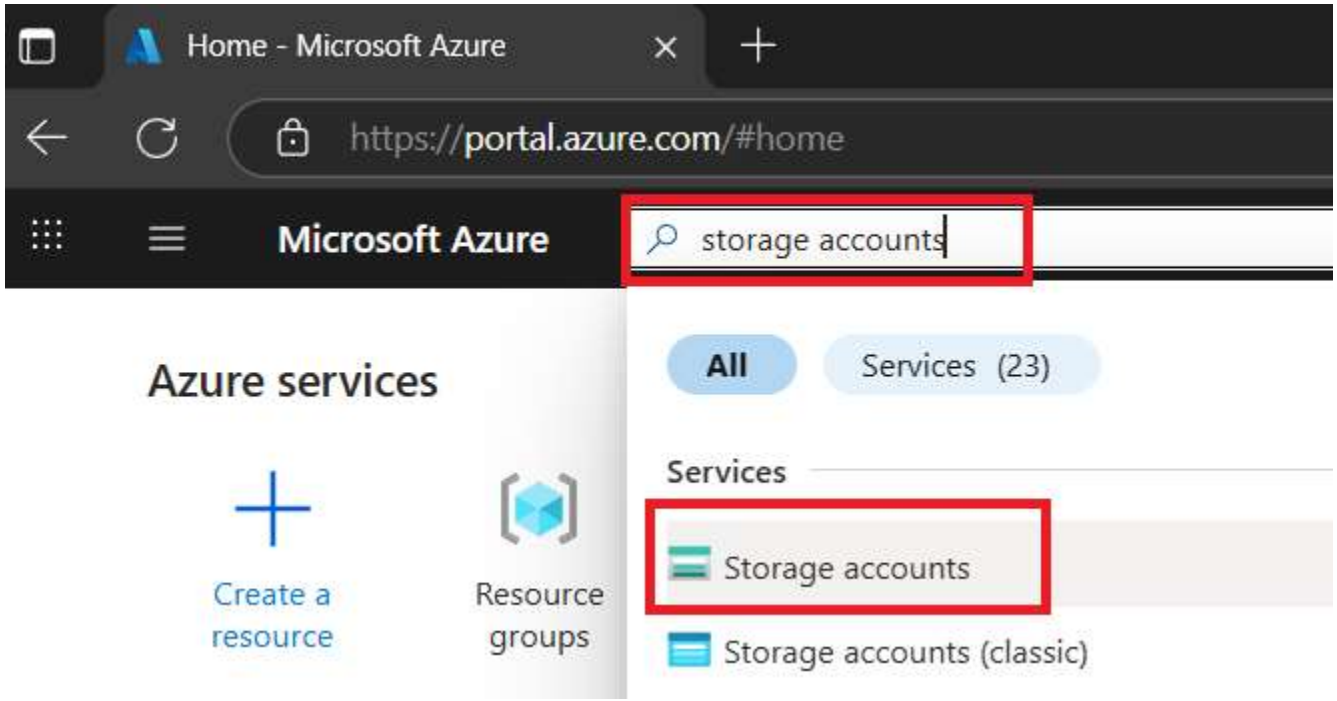
In the Azure Portal, type "storage accounts" and select it.



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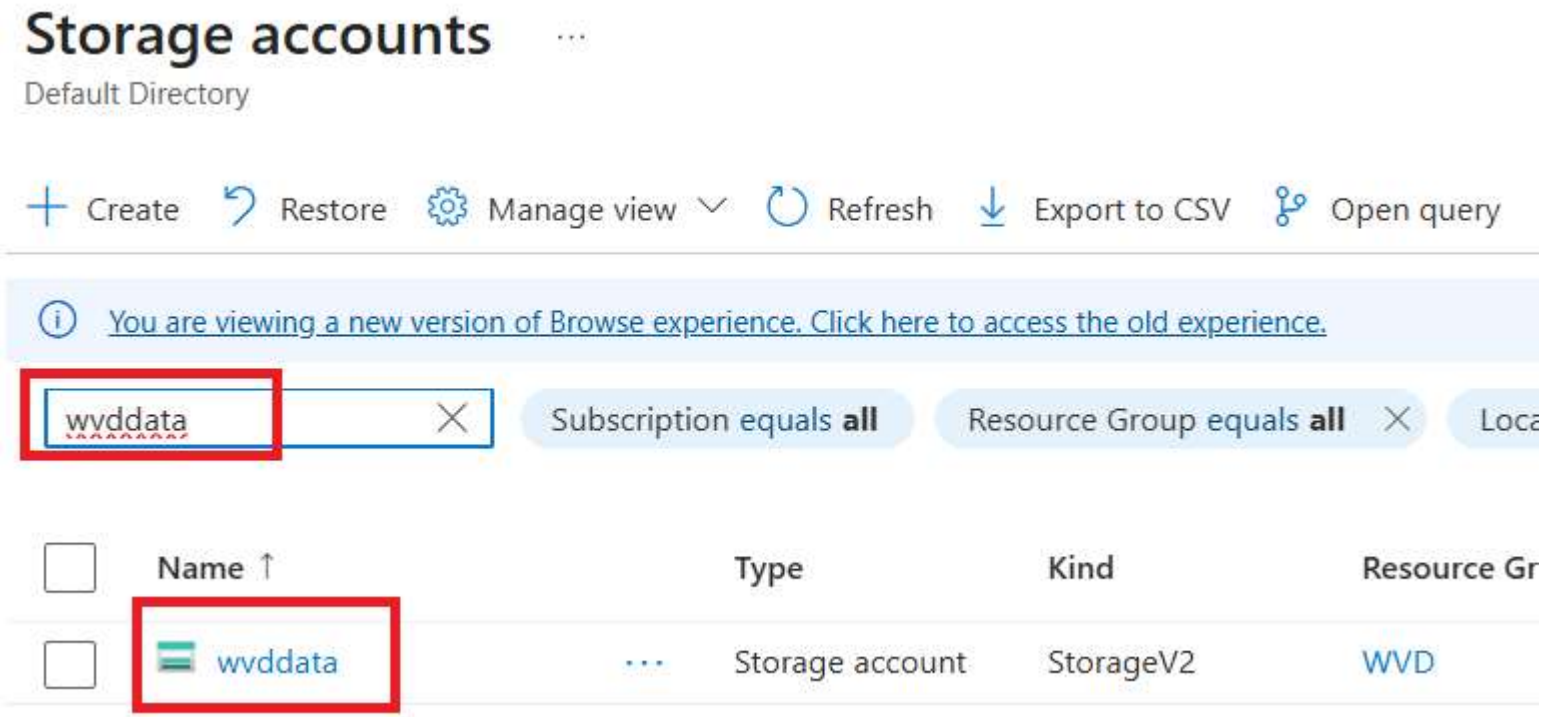
Type the name of the storage account that houses the Azure File Shares that host your FSLogix or UPD profile disks, and select it.



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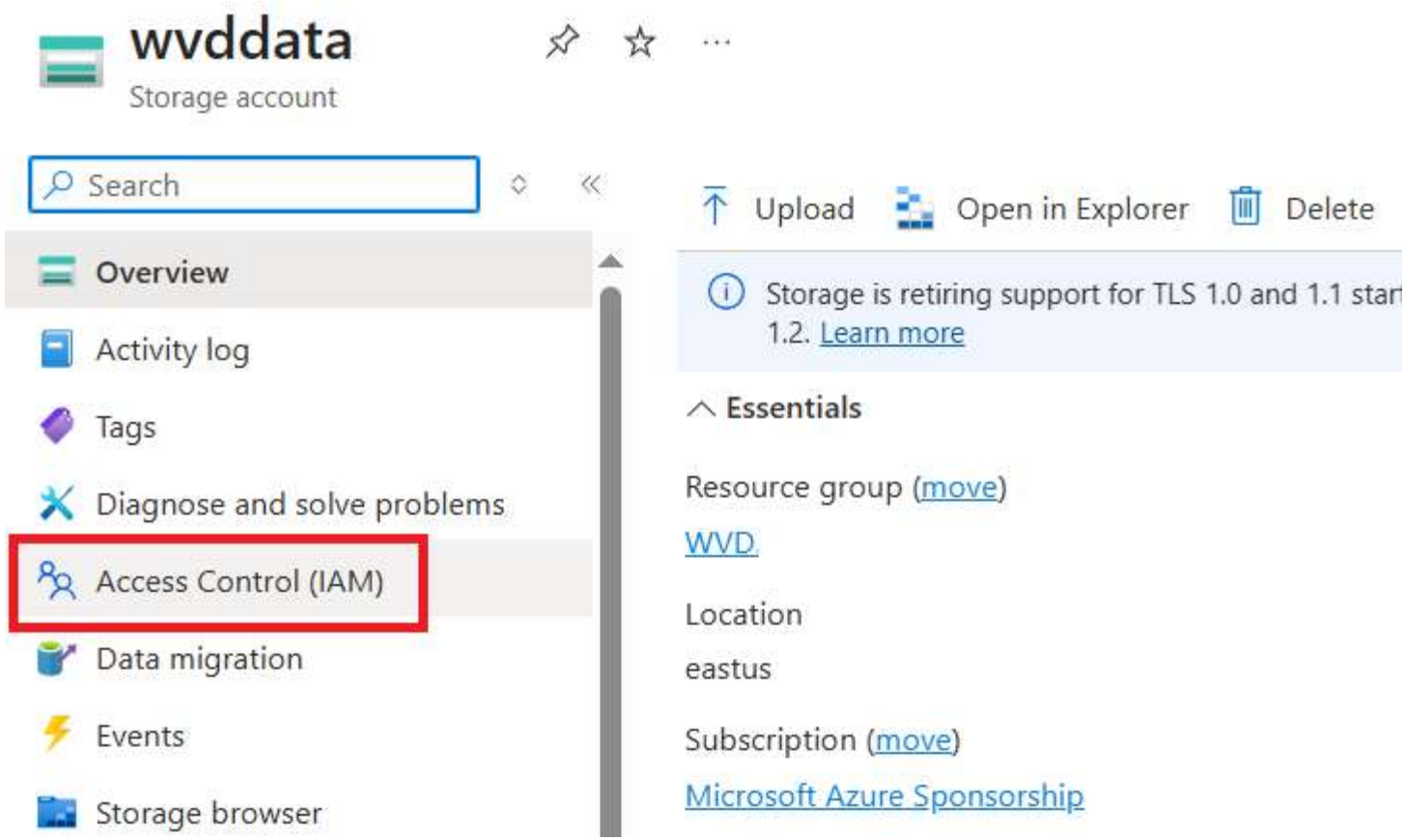
In the Storage Account blade, click "Access Control (IAM)."



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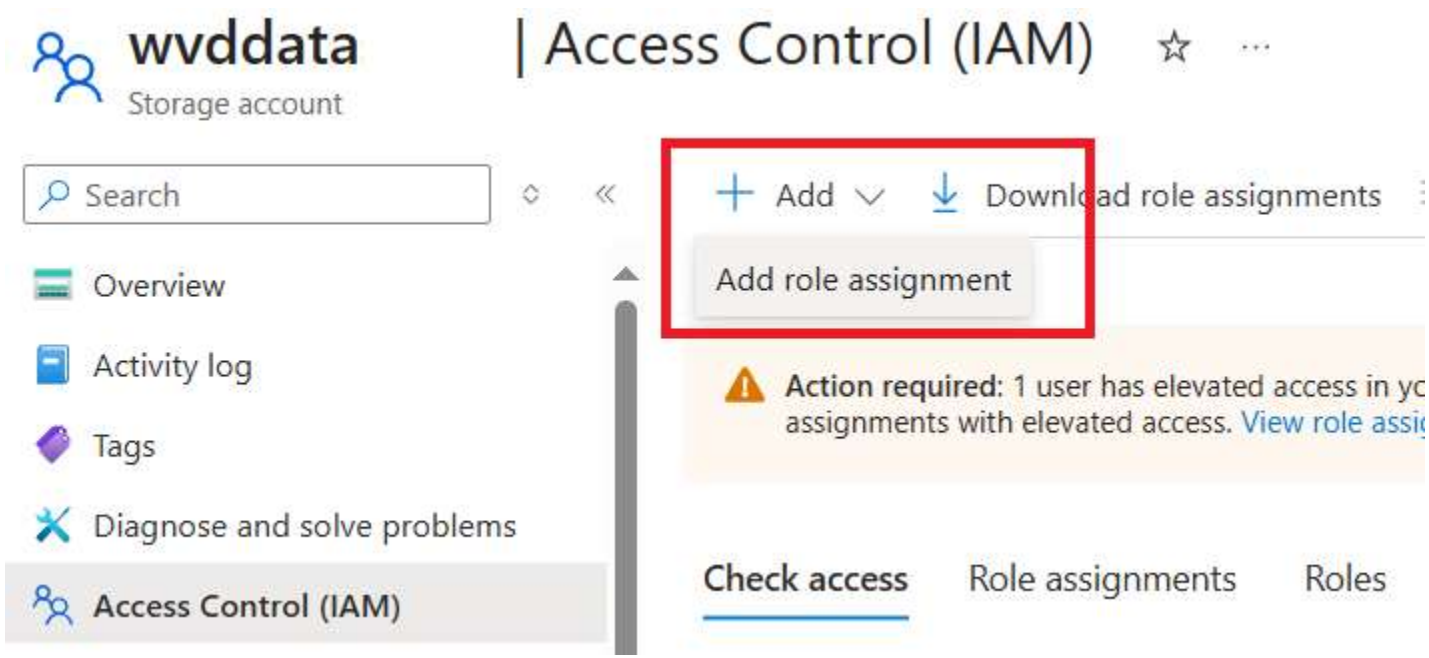
Click on the "+Add" menu to add a role assignment.



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Just as you did for the Desktop Virtualization Contributor Role above, now assign your App Registration role to both the *Storage Account Contributor* role AND the *Storage File Data SMB Share Contributor* roles. You will need to walk through this assignment process twice. Now, your App Registration for the Fix My Session application should have all the permissions it requires to work with Azure File Shares and access host pools and AVD hosts. For the next deployment steps, make sure you have the following information to hand:

1.) Your Azure Subscription ID
2.) The Tenant ID of your AVD Resource Group
3.) The App ID (GUID) of your App Registration / SPN
4.) The App Secret (password) of your App Registration / SPN
5.) The Azure resource group hosting your storage account and AVD host pools
6.) The name of your storage account hosting your FSLogix/UPD file shares, if applicable
7.) The name of your azure file share(s) hosting your FSLogix/UPD profile disks, if applicable

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