Guidance to detect Anomalous activity

Step 1: Retrieve automation accounts that were exposed

Run the Following query to retrieve a set of automation accounts in your subscription

connect-azaccount

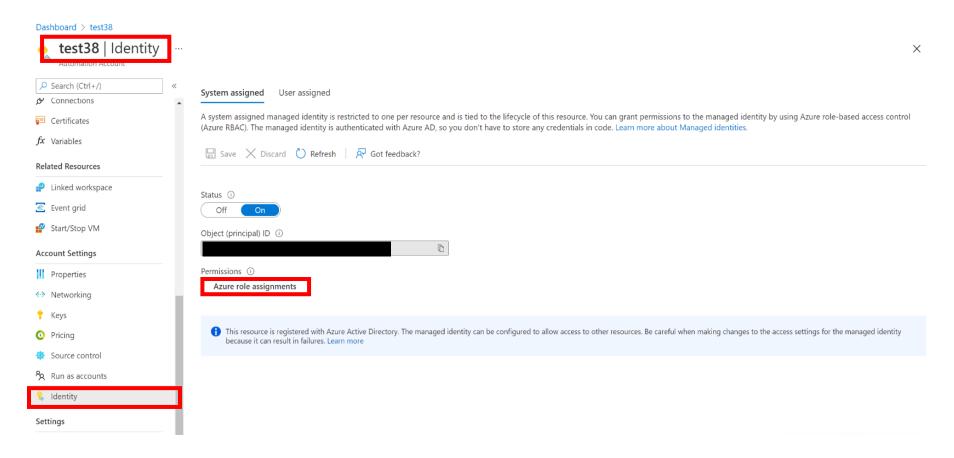
Select-AzSubscription -Subscription (SubscriptionID)

get-azautomationaccount | where-object {(\$_.Identity -ne \$null -and \$_.Location -eq "WestEurope" -and \$_.CreationTime -le "2021-10-10T23:59:00")} | fl *

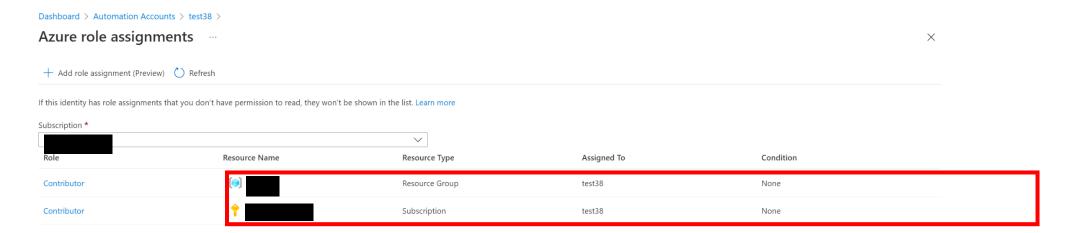
Step 2: For every automation account in step 1, Check resources that had exposure

a) Go to your Automation account in <u>Azure Portal</u>. Navigate to the Identity tab under "Account Settings". Take note of the Id of your automation account on top left corner (The Id in the example below is 'test 38'). Then click on the "Azure role assignments".

[Note the snapshot below is for 'System Assigned'. The vulnerability extends to 'User assigned' as well]

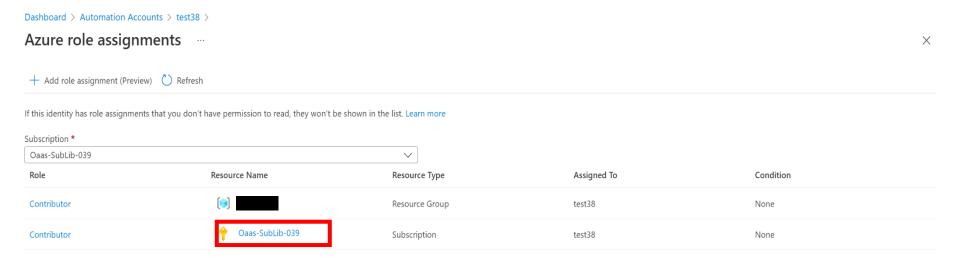


b) The page will list all Azure resources that are linked to Managed identities.

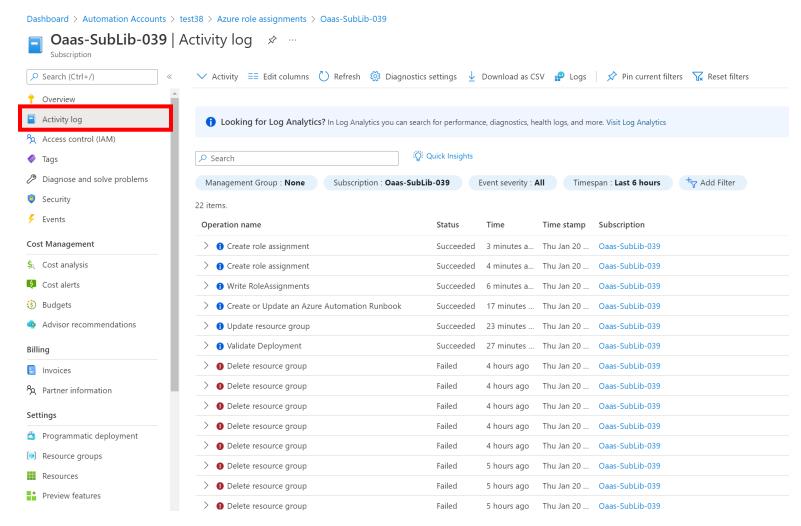


Step 3: Scan Logs for anomalous activity

a) For the previous step (Step 2b), click on the resource to be redirected to the portal page of that resource



b) On the resource portal page, navigate to the "Activity logs"



- c) Set "Timespan" from December 1, 2021, to December 10, 2021, and scan for any anomalous activity. Possible actions include (not an exhaustive list): Resetting of a password on a VM, change access level from "Contributor" to higher privileges, Starting and Stopping of a VM. Such an event will be logged by the Automation Id (Collected in Step 2a) in the column "Event initiated by"
- d) Repeat steps 3a to 3c for every resource discovered in step 2b.