ASSIGNMENT TWO: MICROSOFT DEFENDER FOR CLOUD WRITEUP

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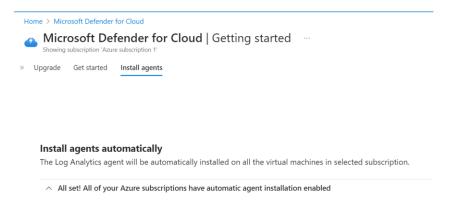
INTRODUCTION

This lab is a continuation of the previous lab exercise which takes us on a journey for azure security center which will be performing three different tasks. One in which we configure Microsoft Defender for Cloud, the second task focused on reviewing the Microsoft Defender for Cloud recommendations and lastly the third task was on implementing the Microsoft Defender for Cloud recommendation to enable Just-in-time VM Access. The following is a descriptive writeup on how the above task were achieved.

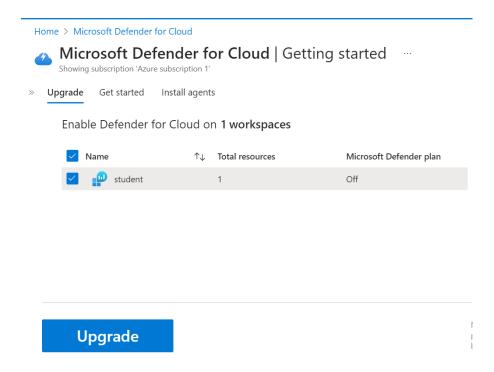
Task 1: Configure Microsoft Defender for Cloud

In this task, we configured Microsoft Defender for Cloud by clicking upgrade to the gettig started blade Microsoft Defender for Cloud section.

After that on the Microsoft Defender for Cloud, Getting started blade, in the Install agents tab, we installed agents.



We then selected the workspaces with enhanced security features section is visible » turn on the Microsoft Defender plan by selecting your Log Analytics Workspace, then click the large Blue Upgrade button.



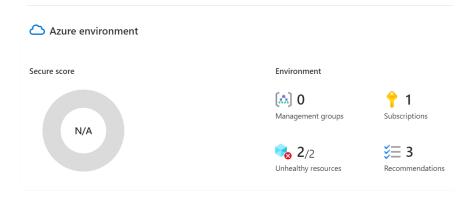
We then navigated to Microsoft Defender for Cloud and clicked Environment Settings under the Management settings, clicked on the relevant subscription to Enable all Microsoft Defender for Cloud Plans.



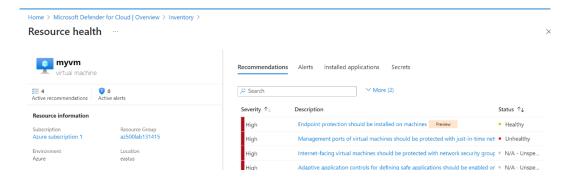
Task 2: Review the Microsoft Defender for Cloud recommendation

This task describes a step by step process on reviewig and comfirming the Microsoft Defender for Cloud recommendations.

On the Microsoft Defender for Cloud | Overview blade, review the Secure Score tile.



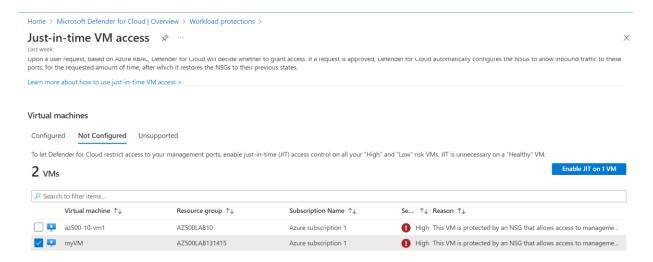
On the Inventory blade, select the myVM entry. On the Resource health blade, on the Recommendations tab, review the list of recommendations for myVM.



Task 3: Implement the Microsoft Defender for Cloud recommendation to enable Just-in-time VM Access

In this task, we implemented the Microsoft Defender for Cloud recommendation to enable Just-in-time VM Access on the virtual machine. Through the Microsoft Defender for Cloud in the overview blade and selected the Workload protections under Cloud Security tile.

On the Workload protections blade, in the Advanced protection section, click the Just-in-time VM access tile. On the Just-in-time VM access blade, under the Virtual machines section, select Not Configured and then click the myVM entry and enable JIT on VM option.



On the JIT VM access configuration blade, on the far right of the row referencing the port 22, click the ellipsis button and then click Delete and then Save.



CONCLUSION

In conclusion, learning how to work the Microsoft defender to add extra protection against potential problems. This helps us spot where our setup might be at risk. The last task is all about putting this advice into action by turning on something called Just-in-time VM Access, which makes sure our virtual machines are only accessible when needed. These tasks together give us a strong grasp of how to make our Azure environment more secure. By finishing this journey, we've not only learned more but also gained practical skills to keep our Azure setup safe from new security issues.