Microsoft ADC Cybersecurity Skilling Program

Week 8 Assignment

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Introduction

This week I worked through the Microsoft Certified: Azure Security Engineer Associate, which is part of the Microsoft Certified: Azure Security Engineer Associate certification. The focus was on the module:

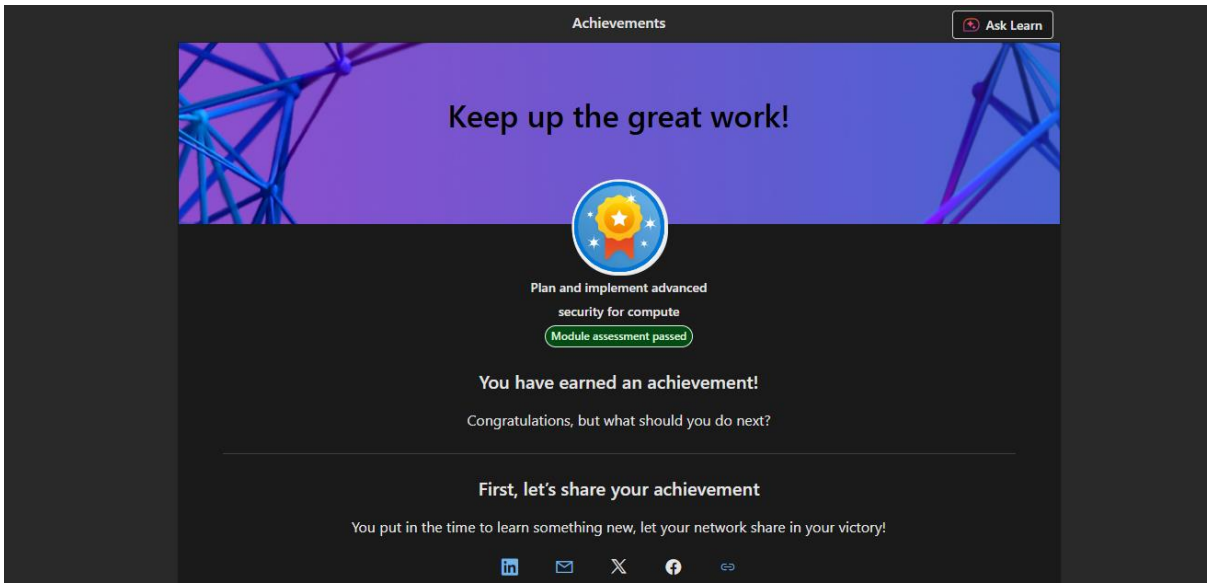
1. **Plan and implement advanced security for compute**

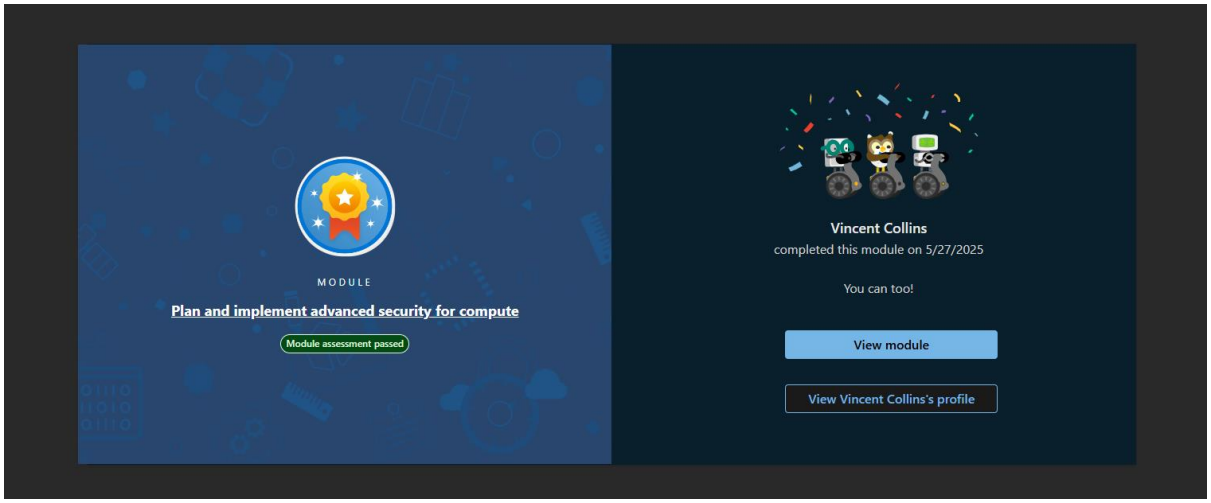
Tasks Completed

1. Plan and implement advanced security for compute

In this module, I learned how to plan and implement advanced security measures for Azure compute resources, including enabling secure remote access using Azure Bastion and just-in-time (JIT) VM access, configuring network isolation for Azure Kubernetes Service (AKS), securing and monitoring AKS clusters, configuring authentication and security monitoring for container instances and apps, managing access to Azure Container Registry (ACR), implementing disk encryption strategies such as Azure Disk Encryption (ADE) and confidential disk encryption, and providing recommendations for securing Azure API Management.

Verification link: https://learn.microsoft.com/api/achievements/share/en-us/VincentCollins-8814/A4JJSLR7?sharingId=49EE7BF9191BBE82


Achievements
Ask Learn
Keep up the great work!
Plan and implement advanced security for compute
Module assessment passed
You have earned an achievement!
Congratulations, but what should you do next?
First, let's share your achievement
You put in the time to learn something new, let your network share in your victory!


MODULE
Plan and implement advanced security for compute
Module assessment passed
Vincent Collins
completed this module on 5/27/2025
You can too!
View module
View Vincent Collins's profile

Conclusion

The module aims to equip participants with the knowledge and expertise necessary to design, implement, and manage advanced security measures for Azure compute resources. Participants will be able to secure access, monitor for threats, and implement encryption solutions across various Azure compute services, ultimately enhancing the security posture of their organization's applications and data.