

Episode Title: Troubleshoot booting failures

Objectives:

At the end of this episode, I will be able to:

1. Use Azure boot diagnostics
2. Troubleshoot key rotation and RBAC
3. Troubleshoot guest operating systems

Key Points:

Key Point 1

Boot diagnostics provide access to a serial console for a virtual machine allowing you to see any issues or failures during the startup process.

Key Point 2

Azure Disk Encryption relies on access to an Azure Key Vault to store the encryption key. If the key was disabled, permissions or policy changed then the VM might not be able to decrypt the disk. This could also cause the VM to not start.

Key Point 3

An Azure VM is still just a VM - there could be updates that fail to install properly, a data corruption issue, malware, and other software-related problems that could cause the VM to not start.

- If additional resources are used during the episode, they can be obtained using the download link on the overview episode (e.g. diagrams, no powerpoints)

External Resources:

If external resources were used during this episode, you can reference the following external resources for supplementary tools and information, if none were used, then this section will be blank:

- How to use boot diagnostics to troubleshoot virtual machines in Azure
: <https://learn.microsoft.com/en-us/troubleshoot/azure/virtual-machines/boot-diagnostics>