No space left on device_Encryption

Last updated by | Kevin Gregoire | Dec 20, 2022 at 12:34 PM PST

Tags	
cw.Azure-Encryption	cw.TSG

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Summary

Guest Agent reporting as not ready with:

```
**Guest Agent Status        Not Ready**

**Guest Agent Message    Size of VM status blob is larger than allowed limit of 1 MB.**
```

If the VM has the Azure Disk Encryption extension, check the VM Status blob. You can obtain it by enabling the verbose mode for waagent.log. It will be something like:

```
https://md-hltbdl042.blob.core.windows.net/$system/MAZUMJEDFLJKM01.4346eb59-08a9-444e-b40e-3ddaa031d8e8.status
```

and if you open it, you might see something like

```
"runtimeSettingsStatus": {
        "settingsStatus": {
                "status": {
                        "status": "error",
                        "code": 19,
                        "name": "Microsoft.Azure.Security.AzureDiskEncryptionForLinux"
                        "formattedMessage": {
                                "lang": "en-US",
                                "message": "Failed to encrypt OS volume with error: Co
```

Mitigation

TSG from Linux POD =
https://supportability.visualstudio.com/AzureLinuxNinjas/_wiki/wikis/AzureLinuxNinjas/268406/Cannot-Encrypt-

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a-Linux-VM-OS-Disk

and the public doc https://docs.microsoft.com/en-us/azure/virtual-machines/linux/disk-encryption-overview ⧉
says:

```
Linux VMs when encrypting both data and OS volumes, and where the root (/) file system usage is greater than 4
The root file system usage * 2. For instance, a 16 GB of root file system usage requires at least 32GB of RAM
```

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So the solution is to resize the VM to have RAM that is atleast 2X the size of the root partition.

Need additional help or have feedback?

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