

Troubleshoot Windows Server VM Connection Issues



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Overview



Troubleshoot various Azure VM issues

VM extension issues

Disk encryption issues

Troubleshoot VM connection issues



Windows Server 2022: Monitor and Troubleshoot Server Environments

Monitor Windows Server Using Local Tools

Monitor Windows Server Using Azure Services

Troubleshoot Windows Server Hybrid Networking

Troubleshoot Windows Server VM Deployment Failures

Troubleshoot Windows Server VM Connection Issues

Troubleshoot Active Directory



Troubleshoot Azure VM Extension Issues



Troubleshoot Azure VM Extension Issues

```
# Verify Azure VM Agent status
```

```
Get-AzVM -ResourceGroupName 'corp-rg' -Name 'azvm1' -Status
```

```
az vm extension show -g 'corp-rg' --vm-name 'azvm1'
--name <Extension Name>
```

```
# Check extension log folders
```

```
dir C:\WindowsAzure\Logs\Plugins
```

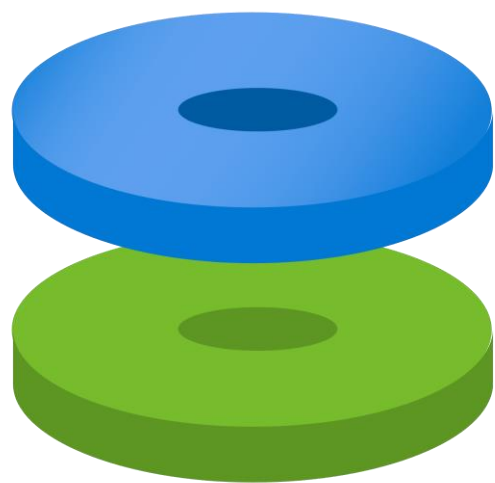
```
dir C:\Packages\Plugins
```



Troubleshoot Azure VM Disk Encryption Issues



Troubleshoot Azure VM Storage



Ensure you're using managed disks

Determine lease/lock failure

- Export
- Azure Disk Encryption
- Server-side encryption



Troubleshoot Azure Disk Encryption (ADE)

ADE isn't available for all Azure VM sizes

ADE supports only Gen1 disks

Don't push local GPOs that enforce TPM protectors

Azure VM must be able to reach Azure wire server (168.63.129.16) and the Instance Metadata Service Endpoint (169.254.168.254)



Troubleshoot Azure VM Connection Issues



Troubleshoot Azure VM Connectivity



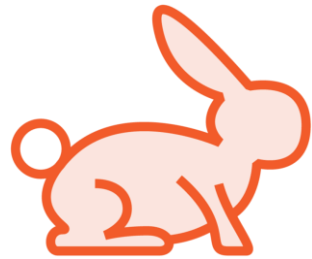
Network Watcher Connection Troubleshoot



Network Watcher NSG Diagnostic



Run Command (RDPSettings, SetRDPPort)



Network Watcher Next Hop



Host firewall



Demo



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Setup ADE

Fetch key from Key Vault

Azure VM Connection T'shoot

Run Command

Network Watcher NSG & next hop



Summary



Stay close to the Microsoft Docs to be aware of "gotchas" in mind with Azure services

Network Watcher remains a very useful "Swiss Army knife" for troubleshooting Azure networking and connection issues



Up Next:
Troubleshoot Active Directory

