

Troubleshoot Windows Server VM Deployment Failures



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Overview



Troubleshoot Windows Server Azure VMs:

Deployment failures

Booting failures

Performance 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 Deployment Failures



Resolving Azure VM Deployment Failures

Create, restart, resize Azure VMs

- "Allocation failed" errors
- Size may not be available in that region (provisioning failure)
- File support request

Invalid ARM JSON and Bicep template errors

- Syntax error
- Invalid parameter (allowedValues)
- Circular dependency



Troubleshoot Azure VM Boot Failures



Azure VM Boot Failures

Your PC ran into a problem and needs to restart. We're just collecting some error info, and then we'll restart for you.

100% complete



For more information about this issue and possible fixes, visit <https://www.windows.com/stopcode>

If you call a support person, give them this info:

Stop code: HAL_INITIALIZATION_FAILED

Blue screen

BitLocker recovery

Enter the recovery key for this drive

Use the number keys or function keys F1-F10 (use F10 for 0).

Recovery key ID (to identify your key): 0ED3997C-1BFB-4290-970F-4D03B360B3F6

Here's how to find your key:

- Sign in on another device and go to: <http://custom.url.contoso.com>
- Try your Microsoft account at: aka.ms/myrecoverykey
- For more information go to: aka.ms/recoverykeyfaq

BitLocker recovery



Boot Diagnostics



Requires a storage account

Stores periodic console screenshots

Must be enabled to support Azure Serial Console

Serial Console provides VM access independent of network and OS state



Troubleshoot Azure VM Performance Issues



Troubleshoot Windows Server VM Performance

Resource Health

**Azure Monitor VM
Insights**

**Azure Monitor
Metrics Explorer**

**Azure Monitor Log
Search**

Resize VMs

**Use higher network
and storage SKU**



Demo



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Boot diagnostics

Storage account / screenshots

Serial Console

Resource Health

Azure Monitor metrics explorer



Summary



Consider leveraging Azure alerts to proactively handle performance or availability issues

Sometimes creativity is necessary given the nature of a public cloud

- Shared responsibility model



Up Next:

Troubleshoot Windows Server VM
Connection Issues

