TEMPLATE

Hyper-V Generation 2 Security Features Readiness Template

A practical template for assessing whether a Hyper-V Generation 2 virtual machine is ready for Secure Boot, virtual TPM, and production deployment.

Hyper-V Generation 2 Security Features Readiness Template

Use this template to decide whether a VM should use Hyper-V Generation 2 security features and to document the settings before production use.

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1) VM Summary

- Application / workload: _____
- Owner / team: _____
- Environment: ? Dev ? Test ? UAT ? Prod
- Guest OS: _____
- OS version / build: _____
- Target hypervisor / cluster: _____
- Date reviewed: _____
- Reviewer: _____

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2) Compatibility Check

Confirm whether the guest supports Generation 2 features.

Check	Yes	No	Notes
Guest OS supports Hyper-V Generation 2	?	?	
Guest OS supports UEFI boot	?	?	
Guest OS supports Secure Boot	?	?	
Guest OS supports TPM-related features if required	?	?	
Install media / deployment method supports UEFI boot	?	?	
Required storage/network drivers are compatible	?	?	

Compatibility concerns / exceptions:

_____

_____

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3) Security Feature Decision

Secure Boot

- Enable Secure Boot? ? Yes ? No
- Reason: _____
- Template to use: _____
- Validation required: _____

Virtual TPM

- Enable virtual TPM? ? Yes ? No
- Reason: _____
- Needed for: ? Disk encryption ? Measured boot ? Other: _____
- Validation required: _____

Other firmware / boot controls

- Boot order reviewed? ? Yes ? No
- Legacy boot dependencies identified? ? Yes ? No
- Unsupported virtual devices removed? ? Yes ? No

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4) Build Standard

Document the approved baseline so clones and redeployments stay consistent.

- VM generation: ? Generation 2
- Firmware mode: ? UEFI
- Secure Boot state: ? Enabled ? Disabled
- Secure Boot template: _____
- Virtual TPM: ? Enabled ? Disabled
- Encryption / measured boot requirement: _____
- Boot media source: _____
- Deployment owner: _____

Baseline notes:

_____

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5) Pre-Production Verification

Complete these checks before the VM is approved for production.

Check	Complete	Notes
VM boots successfully after configuration changes	?	
Secure Boot state verified in guest or management tools	?	
TPM-related feature state verified if enabled	?	
Guest OS reports expected boot / security status	?	
Backup / restore path preserves firmware settings	?	
Migration path preserves security settings	?	
Monitoring / logging plan covers boot failures	?	
Build documentation updated	?	

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6) Production Readiness Decision

Approve for production if all required items are true:

- ? Guest OS is supported
- ? Secure Boot is enabled when required

- ? Virtual TPM is enabled when required
- ? Boot path validated successfully
- ? Template and cloning process preserve the baseline
- ? Backup, restore, and migration behavior reviewed
- ? Any exceptions are documented and approved

Final decision

- Status: ? Approved ? Approved with exceptions ? Not approved
- Approver: _____
- Approval date: _____

Exceptions / remediation items:

_____

_____

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7) Operational Notes

Use this section to capture anything that could affect future builds or troubleshooting.

- Recovery media dependencies:

_____

- Driver or firmware caveats:

_____

- Template management notes:

_____

- Backup / DR considerations:

_____

- Change ticket / reference:

_____

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8) Quick Deployment Checklist

Before you build or clone a new VM, confirm:

- [ ] The guest OS supports Generation 2
- [ ] Secure Boot policy is defined
- [ ] Virtual TPM is required and supported, or intentionally omitted
- [ ] The template uses the approved firmware settings
- [ ] Boot media is compatible with UEFI
- [ ] The VM boots cleanly after creation
- [ ] The final settings are documented for repeatable builds

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9) Minimal Sign-Off Record

- Requester: _____
- Builder: _____
- Reviewer: _____
- Approved by: _____
- Date: _____

Notes

Generation 2 should be treated as a deliberate design choice, not a default assumption. Use it when the guest OS, boot method, and operational controls all support the security model you want.