

SMB SERVER HEALTH ASSESSMENT CHECKLIST

Based on Microsoft Best Practices, NIST CSF 2.0 & CIS Controls v8

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SMB Server Health Assessment Checklist

Version: 1.0

Prepared by: ProGif IT Solutions

Purpose

This Server Health Assessment Checklist is designed to help organizations perform a preliminary review of their server infrastructure based on industry best practices.

This assessment references:

- Microsoft Windows Server Best Practices
- NIST Cybersecurity Framework (CSF 2.0)
- CIS Controls v8

Scoring Guide

Response	Score
 Yes	2
 Partially	1
 No	0
N/A	Excluded

Company Information

Item	Details
Company Name	
Contact Person	
Email	
Phone	
Assessment Date	
Server Name	
Operating System	
Physical / Virtual	
Assessor	

Section 1 – Physical Environment (15%)

Assessment Item	Yes	Partial	No	N/A
Dedicated server room available				
Temperature adequately controlled				
Humidity controlled				
UPS installed				
UPS battery tested annually				
Rack properly secured				
Cabling properly managed				
Dust cleaned regularly				

Section 2 – Server Hardware (15%)

Assessment Item	Yes	Partial	No	N/A
No hardware warning LEDs				
RAID status healthy				
Disk SMART healthy				
Storage usage below 80%				
CPU health normal				
Memory healthy				
Power supplies redundant				
Firmware updated				

Section 3 – Operating System (15%)

Assessment Item	Yes	Partial	No	N/A
Supported operating system				
Latest security patches installed				
Automatic updates configured				
Critical services operational				
Event logs reviewed regularly				
Time synchronized				
Unnecessary software removed				

Section 4 – Identity & Security (20%)

Assessment Item	Yes	Partial	No	N/A
Windows Defender / Endpoint Protection enabled				
Antivirus signatures up to date				
Windows Firewall enabled				
Strong password policy enforced				
Multi-Factor Authentication (MFA) enabled				
Unused accounts disabled				
Administrator account protected				
RDP access restricted				
Security audit logs enabled				
Remote access secured by VPN				

Section 5 – Backup & Disaster Recovery (20%)

Assessment Item	Yes	Partial	No	N/A
Daily backup performed				
Backup monitored				
Backup encrypted				
Restore test completed				
Offsite or Cloud backup available				
Backup retention policy defined				
Recovery documentation available				
Disaster Recovery Plan documented				

Section 6 – Network & Connectivity (10%)

Assessment Item	Yes	Partial	No	N/A
Firewall deployed				
VPN configured securely				
DNS functioning properly				
Internet redundancy available				
Network devices updated				

Section 7 – Monitoring & Documentation (5%)

Assessment Item	Yes	Partial	No	N/A
Server monitoring implemented				
Email alerts configured				
Asset inventory maintained				
Configuration backup available				
Maintenance records updated				

Assessment Results

Category	Weight	Score
Physical Environment	15%	
Server Hardware	15%	
Operating System	15%	
Identity & Security	20%	
Backup & Disaster Recovery	20%	
Network & Connectivity	10%	
Monitoring & Documentation	5%	
Overall Health Score	100%	

Calculation Formula
Overall Health Score (%) = Σ (Category Score $\times$ Category Weight)

Risk Rating

Score	Rating	Description
90–100%	Excellent	Server environment follows best practices with minimal risk.
75–89%	Good	Generally healthy with several recommended improvements.
60–74%	Attention Required	Multiple weaknesses should be addressed to reduce operational and security risks.
Below 60%	Critical	Significant risks identified. Immediate professional assessment is recommended.

NIST CSF 2.0 Reference

Assessment Area	NIST CSF Function
Server Inventory	Identify (ID.AM)
Hardware Protection	Protect (PR.PS)
Operating System Security	Protect (PR.PS)
Identity Management	Protect (PR.AA)
Backup & Recovery	Recover (RC.RP)
Event Log Review	Detect (DE.CM)
Monitoring	Detect (DE.CM)
Incident Readiness	Respond (RS)
Disaster Recovery	Recover (RC)

Professional Recommendation

If your overall score is below **75%**, consider scheduling a professional server assessment to identify hidden risks and improve your organization's security, availability, and resilience.

About ProGif IT Solutions

We help businesses build secure, reliable, and efficient IT infrastructure through:

- Server Deployment & Maintenance
 - Microsoft Windows Server Administration
 - NAS & Backup Solutions
 - Firewall & Network Security
 - Managed IT Services
 - Cybersecurity Assessment
 - Cloud & Hybrid Infrastructure
 - Disaster Recovery Planning
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Contact

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