

Parameters for the Windows Environment Monitoring Service

PARAMETER	DESCRIPTION	OK	WARNING	CRITICAL
CPU Load	Monitors the percentage of CPU capacity being utilized by system processes.	CPU utilization < 85%	CPU utilization >= 85%	CPU utilization >= 95%
Memory Usage	Monitors the total system RAM usage (used vs. free memory).	Free/available memory is >= 10%	Free/available memory is < 10%	Free/available memory is < 5%
NSClient++ Version	Checks the available free disk space on the logical drive partitions.	NSClient++ installed/running and version is approved	NSClient++ running but version is outdated/mismatch	NSClient++ not responding / not running
Uptime	Monitors the duration the system has been running to detect unexpected reboots or service interruptions.	Uptime is normal (no unexpected recent reboot)	Recent reboot detected (within warning window)	Very recent reboot or unable to read uptime
Portscan	Checks whether specific (expected) ports are open or closed on the server.	All required ports are in the expected state	Non-critical port mismatch detected	Critical port mismatch (required closed/open) detected
Network Traffic Embedded	Monitors data throughput and error rates on the integrated (on-board) network interface.	Network traffic within expected range	Traffic unusually high/low or error rate increasing	Traffic at critical level or interface down/errors severe
Network Traffic SLOT * Port * - *G	Monitors data throughput and performance for network cards installed in specific hardware slots.	Network traffic within expected range	Traffic unusually high/low or error rate increasing	Traffic at critical level or interface down/errors severe
PING	Checks if the server is reachable on the network, measures packet loss, and Round Trip Time (RTA).	Host reachable with acceptable latency and no/low loss	Packet loss and/or latency above warning threshold	Host unreachable or loss/latency at critical level
Drive Space	Checks the available free disk space on all mounted logical drives (e.g., C:, D:).	Free space is >= 20%	Free space is < 20%	Free space is < 10%
RAID NVMe	Checks the health and redundancy status of the NVMe storage array.	RAID/volume healthy	RAID/volume degraded but operational	RAID/volume failed or data at risk
RAID PERC HDD - RAID-HDD	Monitors the health and status of the hardware RAID array consisting of mechanical hard drives.	RAID healthy/optimal	RAID degraded but operational	RAID failed or data at risk
RAID PERC SSD - RAID-SSD-OS	Monitors the health and status of the hardware RAID array consisting of SSDs hosting the OS.	RAID healthy/optimal	RAID degraded but operational	RAID failed or data at risk
SMART HDD disk slot	Checks the Self-Monitoring, Analysis, and Reporting Technology (SMART) status for HDDs in specific slots.	SMART status OK	SMART indicates degrading attributes	SMART reports failure or imminent failure
SMART NVMe disk	Checks the SMART health attributes and remaining life percentage for NVMe storage devices.	SMART status OK	SMART indicates degrading attributes	SMART reports failure or imminent failure
SMART SSD disk slot	Checks the SMART status and wear-leveling indicators for SSDs in specific slots.	SMART status OK	SMART indicates degrading attributes	SMART reports failure or imminent failure