

SAMLite v5 Requirements

Minimum Hardware requirements

- 2GHz of Processor speed
- 2GB RAM
- 4GB of permanent storage space (excludes backup storage which depends on the backup policies and practices).
- Storage IO with 80MB/sec sequential transfer rate, 120 IO operations per second.

Recommended Hardware Specifications

(For larger sites >=2000 nodes)

- 2.4GHz of Processor speed or better (4 or more cores)
- 4GB RAM or higher
- >=10GB of permanent storage space (excludes backup storage which depends on the backup policies and practices).
- Storage IO with >100MB/sec sequential transfer rate, >150 IO operations per second.

Minimum spec is OK for small sites with up to 300 PCs and less than 3000 different software. But it really depends on the sort of reports desired (how many columns) and speed required.

For SAMLite higher CPU and IO speed is more important than more CPU cores/threads since there are normally not that many concurrent tasks (report generation, processing). If there are more than 2 concurrent tasks/users the IO performance tends to matter more than the CPU performance.

Virtual hardware is fine as long as the host is not overcommitted and the specs are met or exceeded.

Software requirements

OS and software requirements for SAMLite:

- Windows Server 2008 or higher. Windows Server 2008 R2 recommended.
- Microsoft SQL Server 2008 or higher. Note that SQL Server 2012 has per core licensing. SQL Server 2008 R2 Express should normally be OK for 2000 nodes and below.
- IIS with ASP.Net 2.0 enabled
- Net 3.5: <http://www.microsoft.com/en-us/download/details.aspx?id=25150>
- ASP.NET AJAX 1.0 from <http://www.microsoft.com/en-us/download/details.aspx?id=883>

Network access requirements

Protocols	Ports	Source	Destination	Direction
TCP	139,445	All "login script" scanned clients	SAMLiteServer	Source->Dest
WMI*	TCP/135 1024- 65535	SAMLiteServer	All "activeprobe" scanned clients	Source->Dest
TCP	80,443	All web admin clients	SAMLiteServer	Source->Dest
TCP,UDP	53	SAMLiteServer	DNS Servers/Active Directory Servers	Source->Dest
TCP,UDP	3389	All remote desktop admin clients	SAMLiteServer	Source->Dest
UDP	137,138	All scanned clients	SAMLiteServer	Source->Dest
Active Directory**		All scanned clients	Active Directory Servers	Source->Dest

*Only required if using "Activeprobe" scan. Active Probe scan uses Windows Management Instrumentation (DCE-RPC in CheckPoint Firewall, MS-RPC in Juniper Firewall)

<http://support.microsoft.com/kb/154596>

https://social.technet.microsoft.com/wiki/contents/articles/8657.map-prepare-the-environment-wmi.aspx#Common_WMI_Firewall_Considerations

<http://support.microsoft.com/kb/899148>

** For "login script" scan: allow all protocols between clients and AD servers that are required for scanned clients to logon to AD, run login scripts, apply group policies etc

For SCCM/SMS scan: allow SQL server queries from the SAMLite server to the SCCM/SMS database.