

# System requirements and compatibility matrix

	OS	Desktop & Laptop Edition (DL)	Server Edition (SE)	Enterprise Server Edition (ESE)	Storage Platform (SP)	Storage Platform Console	WebAccess Server (WA)
Operating System version or distribution	Windows	Windows 10 - 64-bit Windows 8/8.1 - 32 & 64-bit Windows 7 - 32 & 64-bit Windows Vista - 32 & 64-bit	Windows 10 - 64-bit Windows Server 2012 (incl. R2) - 64-bit Windows Server 2008 (incl. R2) - 32 & 64-bit	Windows 10 - 64-bit Windows Server 2012 (incl. R2) - 64-bit only Windows Server 2008 R2 - 64-bit only	Windows Server 2012 (incl. R2 with update 2919394 - <a href="http://support.microsoft.com/kb/2919394">http://support.microsoft.com/kb/2919394</a> ) - 64-bit only (Exclusive use for Attix5 software only) Windows Server 2008 R2 - 64-bit only	Windows 10 - 64-bit Windows 8/8.1 - 32 & 64-bit Windows 7 - 32 & 64-bit Windows Server 2012 - GUI and Core (by default, reports not supported on Core) - 32 & 64-bit  Windows Server 2008 (incl. R2) - 32 & 64-bit	Any OS supporting your preferred JSP server (e.g. Tomcat)
	Mac	Mac OS X 10.11 (El Capitan) - 64-bit only Mac OS X 10.10 (Yosemite) - 64-bit only Mac OS X 10.9 (Mavericks) - 64-bit only Mac OS X 10.8 (Mountain Lion) - 64-bit only	Mac OS X 10.11 (El Capitan) - 64-bit only Mac OS X 10.10 (Yosemite) - 64-bit only Mac OS X 10.9 (Mavericks) - 64-bit only Mac OS X 10.8 (Mountain Lion) - 64-bit only	Not applicable	Not applicable	Not applicable	
	Linux & Unix	Not applicable	Fedora ver. 18 to 21 (Most Linux OS's supporting RPM installers) - 32 & 64-bit Ubuntu (ver. 14.04.2 LTS) - 32 & 64-bit - Supported via a Debian installer Solaris SPARC 10 (5.10) - 32 & 64-bit (Only supported up to Backup Client v6.2)	Not applicable	Not applicable	Not applicable	
Database		Not applicable	Not applicable	Not applicable	MS SQL 2014 (Express or Standard) MS SQL 2012 (Express or Standard) MS SQL 2008 R2 Enterprise	Not applicable	Not applicable
Processor	Windows	<b>Minimum:</b> 1 GHz (x86) or 1.4 GHz (x64) <b>Recommended:</b> 2 GHz or faster	<b>Minimum:</b> 1 GHz (x86) or 1.4 GHz (x64) <b>Recommended:</b> 2 GHz or faster	<b>Minimum:</b> 1.4 GHz (x64) <b>Recommended:</b> 2 GHz or faster (with AES-NI support for optimal performance)	<b>Recommended:</b> Multi Core x86-64, 2 Ghz or faster	Minimum OS requirements	2 Ghz or faster CPU.
	Mac	Intel Core processor (PowerPC not supported)	<b>Required:</b> Intel Core processor <b>Recommended:</b> Intel Core Duo or later (PowerPC not supported)	Not applicable	Not applicable	Not applicable	Not applicable
	Linux	Not applicable	<b>Minimum:</b> 1 GHz (x86) or 1.4 GHz (x64) <b>Recommended:</b> 2 GHz or faster	Not applicable	Not applicable	Not applicable	Not applicable
Memory		<b>Required:</b> 1 GB <b>Recommended:</b> 2 GB (Above OS requirements)	<b>Required:</b> 1 GB <b>Recommended:</b> 2 GB (Above OS and application requirements) <b>Optimal:</b> 3GB per 1 million files in the backup selection.	<b>Required:</b> Backup Client service: 512 MB Backup Client GUI: 1 GB (In addition to OS requirements)	<b>AS:</b> Minimum 4 GB over OS and SQL requirements <b>SS:</b> Minimum of 4GB above OS requirements (When converting accounts from ESE, the recommended memory is required) <b>Recommended:</b> Over and above the minimum, 1GB per 1 million files or 1GB per CPU core or 1GB per 1TB of Data. (whichever one of these values is the highest)  SS Example: (based on a Quad Core CPU) - If SS1 has a total file count 32m files (22TB of protected data), the requirement will be 4GB for the CPU or 32GB for the files or 22GB for the data protected - a total of 32GB required over and above OS. - If SS2 has a biggest account of 1.5m files (1.2 TB data of protected data), the requirement will be 4GB for the CPU or 2GB for the files or 2GB for the data protected - a total of 4GB	1 GB	1 GB
Hard disk(s) space and configuration		<b>Required:</b> 150 MB plus space for local cache. <b>Recommended:</b> Amount of free space equal to the Backup Account limit. The local cache can be as large as the total size of all files selected for backup; a file selection of 100 MB needs up to 100 MB extra disk space for the cache. (Not required when Streaming Backup is enabled)	<b>Required:</b> 150 MB plus space for local cache. <b>Recommended:</b> Amount of free space equal to the Backup Account limit. Please refer to the Patching section in the Server Edition User Manual for more information. <b>Cache:</b> The local cache can be as large as the total size of all files selected for backup. A file selection of 10 GB needs up to 10 GB free space for the cache. (Not required when Streaming Backup is enabled) <b>Database backup:</b> Space is needed for the data dump and cache. The dump can be as large as the database. The cache is the compressed version of the database. For example: 1:2 compression ratio on a 10 GB database requires 15 GB (10 GB for the dump and 5 GB for the cache) free space. Temporary working space is also required for subsequent backups; the requirement will be less than 5 GB in the above-mentioned example.	<b>Required:</b> 150 MB per 1 million files per backup (Streaming backup) <b>Recommended:</b> 300 MB per 1 million files per backup (The amount of backup information kept on the Backup Client depend on the roll-up schedule configured on the Storage Platform. Please see the SP Console User Manual for more information.)  Note: We recommend disabling Windows' volume-level deduplication and compression	<b>Required (SS):</b> RAID 5 or RAID 6 and HDD specifications dependant on the speed of backup and restore operation required. Faster disk will contribute to better performance. 7200RPM SATA as a minimum.  Minimum of 10 GB of available disk space for the Attix5 Pro installation volumes (more required if non default log and reporting retention is used)  StorageServer recommendations would be as per the customer's needs, but Attix5 recommends volumes to a maximum of 40TB dependant on the data type and user distribution on the server. It is also recommended not to have more than 2000 Backup Accounts per StorageServer volume.  Note: • ReFS is not supported • We recommend disabling Windows' volume-level deduplication and compression	100 MB	100 MB in addition to Tomcat

	OS	Desktop & Laptop Edition (DL)	Server Edition (SE)	Enterprise Server Edition (ESE)	Storage Platform (SP)	Storage Platform Console	WebAccess Server (WA)
<b>Other</b>	Application integration	Not applicable	<b>Windows Plug-ins:</b> VSS: - Exchange: 2010 / 2007 / 2003 / 2013 - SQL: 2014 / 2012 / 2008(incl. R2)/2005 - Hyper-V: Windows Server 2008 R2 / 2012 R2 (non-Clustered) - MS SQL Server: 2014, 2012, 2008 (incl. R2), 2005, 2000 - System State (Windows): - Server 2012 (requires .NET 4) - 2008 Server (incl. R2) (requires .NET 3.5) - 2003 Server <b>Mac, Linux &amp; Windows Plug-ins:</b> Email Notification Script	Windows Image Backup (through Microsoft WSB): - Same as OS version MS SQL (through VSS): - 2008 R2 - 2012 (incl. R2) - 2014 (Express) - 2016 (Express) Exchange (through VSS): - 2010 - 2013 - 2016	Not applicable	Not applicable	Not applicable
	Backup Account Version	Only Backup Accounts created by DL and SE.	Only Backup Accounts created by DL and SE.	Only Backup Accounts created by ESE.	DL, SE Backup Accounts from v5 ESE Backup Accounts from v8	Not applicable	Only Backup Accounts created by DL.
	Runtime			Java JRE 1.8.0 (Distributed with the Backup Client)	<b>Minimum:</b> .Net 4.5 (Full Profile) - 64-bit	.NET 4 (Full profile)	Java 1.5 JSP Servlet engine like Tomcat
	Network				Network interface card or a virtual network adapter with a fixed IP address, host name or DNS name (preferred for flexibility) The AccountServer and Slave AccountServer require outgoing Internet access to licence.attix5.com:443.  It is advised that you consult with Attix5 directly when planning new hardware for a Storage Platform installation.  Valid NTP time source access. SMTP email requirements for system alerts and reporting.		