

SAP Business One 9.1 – Hardware / Software Server Recommendation

The following SQL Server setup is recommended as a starting point for SAP Business One 9.1.

- For a 50 to 300 user configurations, ask for environment specific server recommendations
- If a SQL Server is also the Domain Controller (not a Best Practice – Microsoft Restrictions apply) use the next higher user count recommendation
- If a SQL Server is also a Terminal Server (not a Best Practice – Microsoft Restrictions apply) use the 2nd higher user count recommendation

If SAP 'Intercompany Integration Solution' is used then count each integrated company as 1 ½ additional users when determining system demand below

Component	SQL Server Recommendation
Processor	<ul style="list-style-type: none"> - 1-10 Users: Intel 2.4 GHz Dual (2) Core Processor or better - 11-20 Users: Intel 2.5 GHz Quad (4) Core Processor or better - 21-30 Users: Intel 2.8 GHz Quad (4) Core Processor or better - 31-50 Users: Intel 3.0 GHz Quad (4) Core Processor or better <p>Recommendation: Motherboards with additional unused processor slots offer good future growth insurance Comment: Processor GHz represents speed. Additional Cores support more demand before processing slows down.</p>
Hard disk	<ul style="list-style-type: none"> - 1-10 Users: 2 250 GB Hard Drive in Hardware RAID1 or 10 (mirrored) - 11-20 Users: 2 300 GB Hard Drive in Hardware RAID1 or 10 (mirrored) Note: Consider faster hard drives (cost vs benefit) - 21-30 Users: 2 500 GB Hard Drive in Hardware RAID1 or 10 (mirrored) Note: 10K RPM SAS or 15K SATA recommended - 31-50 Users: 2 600 GB Hard Drive in Hardware RAID 1or 10 (mirrored) Note: 15K RPM SAS 6 Gbps recommended <p>Recommendation: C: Drive Partition should be a minimum of 100 GB to support future O/S upgrades (120+ GB preferred) If Solid State Drives (SSD) are used, use only Enterprise level versions with 3 yr warranty SSDs increase performance of SQL Log files (Adds/Updates) but not SQL DB data files (Reads) SSDs on Terminal Servers offer some performance increase but is a cost/benefit decision</p>
Memory	<ul style="list-style-type: none"> - 1 -10 Users: 6 GB or better - 11-20 Users: 2 GB + ½ GB or better per user Note: 1333 MHz Memory or better recommended - 21-50 Users: 4 GB + ½ GB or better per user Note: 1600 MHz Memory or better recommended
Network	<ul style="list-style-type: none"> - 1 -10 Users: 100 MB Network Interface Card or better - 11-30 Users: 1 GB Network Interface Card - 30 + Users: 2 GB Network Interface <p>Note: Team Two 1 GB Cards or use a 10 GB NIC</p>
Display	Minimum 1024 x 768 with 24Bit color
Backup	Server data backup. Customers must add the SAP servers and databases into their company backup process
O/S	Windows Server 2008 / 2008 R2 (Std or Enterprise, 32/64-bit) Windows SBS 2008 / 2011 (Std, 2008 Premium, 2011 Essentials 64-bit) Note: Premium AddOn avail w/SQL + Virtual Server Windows Server 2012 (Essentials, Std, DataCenter 64-bit) Version 9.0 PL 9+ for Crystal Rpt Designer 2013 Windows Server 2012 R2 (Essentials, Std, DataCenter 64-bit) Version 9.0 PL12+
SQL	Microsoft SQL 2008 / 2008 R2 (Express*, WorkGroup***, Std, Enterprise 32/64-bit) Microsoft SQL 2012 (Std, Business Intelligence, Enterprise 32/64-bit) Microsoft SQL 2014 (Std, Business Intelligence, Enterprise 32/ 64-bit) Version 9.1 PL04+ Recommended: Add SQL User CALs (Licenses) instead of Device CALs for user portability (1 CAL per SAP user + 1 SAP Mailer in Std. Env) . * 2008 Express Limits: Users = 3, Db = 3.5 GB, Memory = 1 GB, CPU = Dual/Quad core , Srv=2008 . *** 2012 Express Limits: Users = 5, Db = 10 GB Memory = 1 GB, CPU = 1 socket/4 cores, Srv=2008 SP2 to 2012 R2 .*** 2008 Workgroup Limits Memory= 4 GB, CPU = 2 . * & ** - SQL Express has a limited SSMS (no Maint Plans, Performance tuning...) and no SQL Server Agent (no task schedule)
Virtualization	VMWare / Microsoft Hyper-V Note : Virtualization Vendor is now responsible to support Microsoft O/S versions (11/2012) Recommended: SQL Server non-virtualized to control demands of local database disks and memory with +50 users Terminal Server virtualization of 15 user per VM, 60 user per machine due to VM video and graphics control overhead
HANA Option	Dell T620 / R620 CPU : 2 * Sandybridge - EP Intel X2670 (2.60 GHz) Disk:: 8 * 300 GB 10k rpm, RAID1 Memory: 20 Users: 64 GB 40 Users: 96 GB 50 Users: 128 GB Dell R910, Fujitsu, IBM, HP Specific Configuration O/S: SUSE Linux Enterprise Server 11 SP3 Database: HANA SPS 07 (or newer) Virtualization (optional) VMware 5.5 (1 instance dedicated on a supported hardware configuration)
MS Office	32-bit Microsoft Excel (or Office) 2007 / 2010 / 2013 Note: SQL or Terminal Svr used to Load Legacy System Data Install 'Office Shared Features --> Visual Basic for Applications' component
Remote Access	Remote access to the server for support and implementation assistance to reduce travel time and costs.

SAP Business One 9.1 - Client PC Recommendation

Component	Minimum PC Client Recommendation	
Processor	2.8 GHz Dual Core or better	(Intel Core i3 or better (ie. i3, i5, i7,)
Hard disk	20 GB of free hard disk space	(2 GB used by application installation)
Memory	2 GB or better	(preferably 4 GB or more if used with MS Office or other Applications)
Network	100 MB or 1 GB Ethernet Network port	
Display	1024 x 768 with 24Bit color or better	
O/S	Windows 7 Citrix XenApp 4.5 / 5 / 6 Windows 8/ 8.1 Windows 8.1 Microsoft® Windows 10 32 Bit (x86) / 64 Bit (x64)	(Pro, Enterprise, Ultimate 32/64-bit) (Adv, Ent, Platinum 32/64-bit) (Windows 8/8.1, Windows 8/8.1 Pro 32/64-bit) Version 9.0 PL05+ (PL09+ w/Crystal Rpts 2013 Designer) (Windows 8.1, Windows 8.1 Pro 32/64-bit) Version 9.0 PL13+ Windows 10 Pro Edition Q4/2015
MS Office	Microsoft Office 2007 / 2010 Microsoft Office 2013 Microsoft Office 365	(Standard or Professional 32-bit) (Standard or Professional 32-bit) Version 9.0 PL08+ Not supported but some subscription options can include the desktop edition of an above supported version
Misc	Microsoft Internet Explorer 8.0 or higher Microsoft Data Access Components (MDAC) 2.6 or higher Microsoft .Net 3.5 or higher	