



Dell Technologies Advantage for **SAP Business One, version for SAP HANA IceLake**

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DELLTechnologies

Overview - SAP Business One, version for SAP HANA



SAP developed the business management solution for small and medium-sized enterprises (SMEs) - **SAP Business One, version for SAP HANA**

Benefits

With SAP Business One, version for SAP HANA, small/medium-sized enterprises:

- **Get real-time access** to all information needed to prepare reports, analysis and business decisions
- **Analyze** their data **and perform** analysis **more quickly** and
- **Act self-contained** without help from IT specialists
- **Run** SAP Business One entirely **in-memory**

Highly successful in these four areas:

- Core and analytics
- In-memory
- Mobile
- Cloud

Deliverable Highlights

- **Evaluation of bulk data:** the so-called "Big Data" are ad hoc captured, managed and analyzed
- **Analysis and Reports:** Interactive reports with cutting-edge information
- **Productivity Tools:** Predefined content and multidimensional data sources
- **Predefined Dashboards:** Pre-configured reports and graphically compiled dashboards.
- **Search:** Flexible, enterprise-wide free text search (similar to Google)

Big performance for small businesses

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Certification

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Where to find Dell SAP Business One for SAP HANA certifications?



Will be updated after official certification !!!

The certification confirms the existence of product procedures. SAP only certifies successful integration of the product with SAP solutions. Vendor is responsible for the product itself and its error-free operation.

The hardware is required to have a valid SAP HANA Hardware certification at the point of purchase by the customer. Once the validity date of the certification has passed, the hardware will continue to be supported by the Partner until the end of maintenance as indicated by the Partner.

[more](#)

We are pleased to introduce the new release of the SAP HANA Hardware Directory

ifications are
page

and SAP HANA

Hardware Directory“ landing page including all information about SAP HANA certifications, e.g. SAP HANA for SAP Business One

<https://www.sap.com/dmc/exp/2014-09-02-hana-hardware/enEN/#/solutions?filters=appliance;ve:2;v:af1af700-38d3-4db5-9706-ae3f51e610a9>

Filter by: **Deployment** Vendors CPU Architecture Memory Size More

Appliance Type

- File Systems
- Operating System
- Certification Scenario

☐ SAP Business One ☐ Scale-out: BWoH/BW4H/DM ☐ Scale-out: S4H

☐ Scale-up: BWoH/BW4H/DM/SoH/S4H ☐ Scale-up: SoH/S4H

Solution	Type	Vendor	CPU Architecture	Appliance Type	TDP	Energy
PowerEdge R750	Appliance	Dell	Intel Ice Lake SP	Scale-up: BWoH/BW4H/DM/SoH/S4H Scale-up: SoH/S4H	✓	👤

Scale Up B1 Appliance

Ice Lake

DELL Technologies

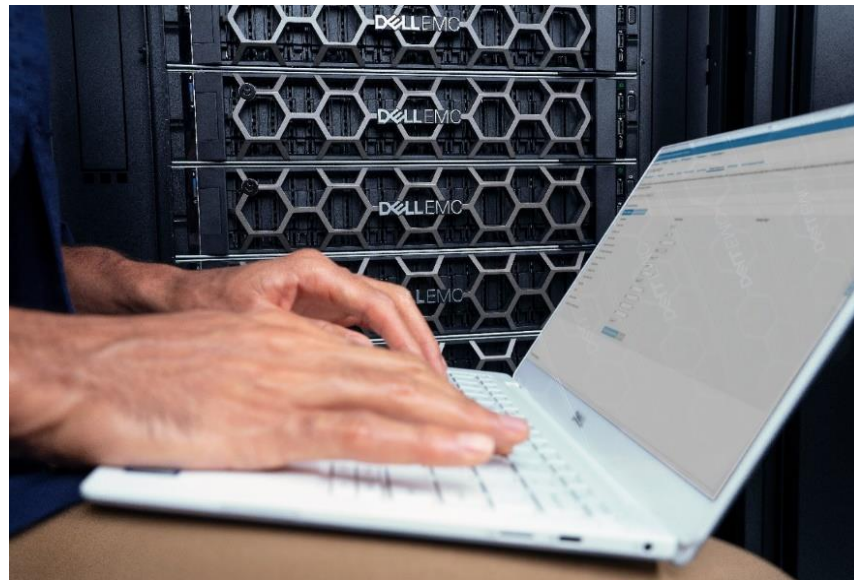
Dell – SAP HANA B1 certifications – Ice Lake

Configuration Overview

For Ice Lake solutions the B1 operating system will be installed on a BOSS device with one or two (Raid 1) M.2 sticks. The deployment instructions for B1 can be found in [SAP B1 note](#).

At the time of the creation of this document the OS is installed on an ext3 file system, the remaining file systems are XFS. The [deployment image](#) is provided by SUSE and subject to change to a newer version.

For the 2 socket HANA B1 options below there are several network card options besides the default onboard 2x1 Gigabit BCM5720 available for example Broadcom 5720 QP 1Gb NIC, QLogic 57800 2x10Gb DA/SFP+ + 2x1Gb BT Network Daughter card, QLogic 57800 2x10Gb BT + 2x1Gb BT Network Daughter card. These should be picked according to the customer environment and connectivity needs.



Dell – SAP HANA B1 certifications – Ice Lake

Component	Configuration	Component	Configuration
128 GB	- Server: PowerEdge R650/R750/MX750c - Memory: 16x8 GB RDIMM DDR4 - Sockets populated with 2x Intel Xeon 4310 or Intel Xeon 4314 or Intel Xeon Platinum 5318Y or Intel Xeon 8368 - PERC H745 or H755 Raid Controller 8 GB cache - OS: SLES 15 SP2 and newer - BOSS device with one or two (Raid 1) M.2 sticks - Disk configuration: minimum capacity of 576 GB (4*128+128/2) with SATA/SAS SSD drives in a RAID 5 configuration	512 GB	- Server: PowerEdge R650/R750/MX750c - Memory: 32x16 GB RDIMM DDR4 and 16x16 GB RDIMM DDR4 - Sockets populated with 2x Intel Xeon 4310 or Intel Xeon 4314 or Intel Xeon Platinum 5318Y or Intel Xeon 8368 - PERC H745 or H755 Raid Controller 8 GB cache - OS: SLES 15 SP2 and newer - BOSS device with one or two (Raid 1) M.2 sticks - Disk configuration: minimum capacity of 2560 GB (4*512+512) with SATA/SAS SSD drives in a RAID 5 configuration
256 GB	- Server: PowerEdge R650/R750/MX750c - Memory: 32x8 GB RDIMM DDR4 or 16x16 GB RDIMM DDR4 - Sockets populated with 2x Intel Xeon 4310 or Intel Xeon 4314 or Intel Xeon Platinum 5318Y or Intel Xeon 8368 - PERC H745 or H755 Raid Controller 8 GB cache - OS: SLES 15 SP2 and newer - BOSS device with one or two (Raid 1) M.2 sticks - Disk configuration: minimum capacity of 1088 GB (4*256+128/2) with SATA/SAS SSD drives in a RAID 5 configuration	768 GB	- Server: PowerEdge R650/R750/MX750c - Memory: 16x16 GB LRDIMM DDR4 + 16x32 GB RDIMM DDR4 - Sockets populated with 2x Intel Xeon 4314 or Intel Xeon Platinum 5318Y or Intel Xeon 8368 - PERC H745 or H755 Raid Controller 8 GB cache - OS: SLES 15 SP2 and newer - BOSS device with one or two (Raid 1) M.2 sticks - Disk configuration: minimum capacity of 3584 GB (4*768+512) with SATA/SAS SSD drives in a RAID 5 configuration

Dell – SAP HANA B1 certifications – Ice Lake

Component	Configuration	Component	Configuration
1.0 TB	- Server: PowerEdge R650/R750/MX750c - Memory: 32x32 GB LRDIMM DDR4 or 16x64 GB RDIMM DDR4 - Sockets populated with 2x Intel Xeon 4314 or Intel Xeon Platinum 5318Y or Intel Xeon 8368 - PERC H745 or H755 Raid Controller 8 GB cache - OS: SLES 15 SP2 and newer - BOSS device with one or two (Raid 1) M.2 sticks - Disk configuration: minimum capacity of 4608 GB (4*1024+512) with SATA/SAS SSD drives in a RAID 5 configuration	2 TB	- Server: PowerEdge R650/R750/MX750c - Memory: 32x64 GB LRDIMM DDR4 or 16x128 GB LRDIMM DDR4 - Sockets populated with 2x Intel Xeon Platinum 5318Y or Intel Xeon 8368 - PERC H745 or H755 Raid Controller 8 GB cache - OS: SLES 15 SP2 and newer - BOSS device with one or two (Raid 1) M.2 sticks - Disk configuration: minimum capacity of 8704 GB (4*2048+512) with SATA/SAS SSD drives in a RAID 5 configuration
1.5 TB	- Server: PowerEdge R650/R750/MX750c - Memory: 16x32 GB LRDIMM DDR4 + 16x64 GB LRDIMM DDR4 - Sockets populated with 2x Intel Xeon Platinum 5318Y or Intel Xeon 8368 - PERC H745 or H755 Raid Controller 8 GB cache - OS: SLES 15 SP2 and newer - BOSS device with one or two (Raid 1) M.2 sticks - Disk configuration: minimum capacity of 6656 GB (4*1536+512) with SATA/SAS SSD drives in a RAID 5 configuration	3 TB	- Server: PowerEdge R650/R750/MX750c - Memory: 16x64 GB LRDIMM DDR4 + 16x128 GB LRDIMM DDR4 - Sockets populated with 2x Intel Xeon 8368 - PERC H745 or H755 Raid Controller 8 GB cache - OS: SLES 15 SP2 and newer - BOSS device with one or two (Raid 1) M.2 sticks - Disk configuration: minimum capacity of 12800GB (4*3072+512) with SATA/SAS SSD drives in a RAID 5 configuration

Dell – SAP HANA B1 certifications – Ice Lake

Component	Configuration
4.0 TB	• Server: PowerEdge R650/R750/MX750c • Memory: 32x128 GB LRDIMM DDR4 or 16x256 GB LRDIMM DDR4 • Sockets populated with 2x Intel Xeon 8368 • PERC H745 or H755 Raid Controller 8 GB cache • OS: SLES 15 SP2 and newer • BOSS device with one or two (Raid 1) M.2 sticks • Disk configuration: minimum capacity of 16896 GB (4*4096+512) with SATA/SAS SSD drives in a RAID 5 configuration

SAP Business One BoM

Ice Lake

DELLTechnologies

Update TR - B1 BoM Cascade Lake

R650

Comments:

1. CPU Config: Please check slide 15
2. Memory Config: Please check slide 16
3. Hard Drives: Please check slide 17
4. Hard Drives: It's allowed to add one Hot Spare Disc
5. OS: Please check slide 19
6. **: Please check with your DellEMC Account Manager which SKU is needed for your country
7. *: these discs are alternate available

Configuration's support up to:

- | | |
|--------------|---------|
| 1. ?? Users | 128 GB |
| 2. 100 Users | 256 GB |
| 3. 200 Users | 512 GB |
| 4. 250 Users | 768 GB |
| 5. 300 Users | 1024 GB |
| 6. ?? Users | 1.5 TB |
| 7. 400 Users | 2 TB |
| 8. ?? Users | 3 TB |
| 9. ?? Users | 4 TB |

IMPORTANT:

R650 / R750 / MX750c are only available with SLES 15 SP2 and newer!

Quantity	SKU	Description
	210-AYJZ	PowerEdge R650 Server
1	329-BFGQ	PowerEdge R650 Motherboard
2	338-CBWO	Intel Xeon Gold 5318Y 2,1 GHz, 24C/48T, 11,2 GT/s, 36 MB Cache, Turbo, HT (165 W) DDR4-2933
1	379-BDSS	SAS-/SATA-Rückwandplatine
1	379-BDCO	Zusätzlicher Prozessor ausgewählt
1	379-BCSF	iDRAC, werkseitig generiertes Kennwort
1	379-BCQV	iDRAC Group Manager, aktiviert
1	379-BEID	10 x 2,5 Storage (Vorderseite)
1	379-BDTE	Kein Storage (Rückseite)
1	321-BGHN	2.5" Chassis with up to 10 Hard Drives (SAS/SATA), 3 PCIe Slots, 2 CPU
1	325-BECJ	LCD Bezel
1	330-BBRP	Riser Config 0, 2CPU, Half Length, Low Profile, 3 x16 Slots, SW GPU Capable
1	350-BCEI	MOD,TRAY,LGG,TAG,X8/10HDD,R650
1	350-BBXM	Ohne Quick Sync 1 370-AAIP Leistungsoptimierung
1	370-AEVR	3.200 MT/s RDIMMs 16 370-AEVO 8 GB RDIMM, 3200 MT/s, Single Rank
1	385-BBQV	iDRAC9, Enterprise 15G
4	400-AZUT	480GB SSD SATA kombinierte Verwendung 6 Gbit/s 512 2,5" Hot-Plug-AG-Laufwerk, 3 DWPD, 1 403-BCHI BOSS Controller-Karte + mit 2 M.2 Sticks 240G (RAID 1),LP
1	405-AAUZ	PERC-H745-Controller, Front
1	412-AAVP	Kühlkörper Konfiguration mit 2 CPUs (CPU maximal 165 W)
2	450-AADY	C13 zu C14, PDU Stil, 10 A, 2m (6,5 Fuß), Netzkabel
1	450-AIQX	Dual, Hot-Plug, PSU (1 + 1), 800, gemischter Modus 1 461-AAIG Trusted Platform Module 2.0 V3
1	293-10049	Versandetikett - Bestellkonfiguration (Versanddatum, Modell, Prozessorgeschwindigkeit, Festplattengröße, RAM)
1	293-10025	Bestandskennzeichnung - ProSupport (Webseite, Barcode, integrierte MAC-Adresse)
1	540-BCOE	Intel i350 4 Ports 1 GbE BASE-T, OCP NIC 3.0
1	750-ACFQ	Mechanische PERC-Teile (frontseitig), hintere Last
1	750-ADIH	4 Lüfter mit hoher Performance für 2 CPUs (mehr als 165 W)
1	770-BDMT	Kabelführungsarm
1	770-BECD	ReadyRails-Gleitschienen ohne Kabelführungsarm oder Zugentlastungsleiste
1	780-BCDS	Nicht konfiguriertes RAID
1	384-BBBH	Energiesparende BIOS Einstellungen Service
1	683-19200	Basic Deployment Dell Server R Series 1U/2U
1	709-BBIM	Basic Next Business Day 36 Months 1 865-BBND ProSupport Plus and Next Business Day Onsite Service Initial, 36 Month(s)

Update TR - B1 BoM Cascade Lake

R750

Comments:

1. CPU Config: Please check slide 15
2. Memory Config: Please check slide 16
3. Hard Drives: Please check slide 17
4. Hard Drives: It's allowed to add one Hot Spare Disc
5. OS: Please check slide 19
6. **: Please check with your DellEMC Account Manager which SKU is needed for your country
7. *: these discs are alternate available

Configuration's support up to:

- | | |
|--------------|---------|
| 1. ?? Users | 128 GB |
| 2. 100 Users | 256 GB |
| 3. 200 Users | 512 GB |
| 4. 250 Users | 768 GB |
| 5. 300 Users | 1024 GB |
| 6. ?? Users | 1.5 TB |
| 7. 400 Users | 2 TB |
| 8. ?? Users | 3 TB |
| 9. ?? Users | 4 TB |

IMPORTANT:

R650 / R750 / MX750c are only available with SLES 15 SP2 and newer!

Quantity	SKU	Description
	210-AYCG	PowerEdge R750 Server
1	329-BGJR	R750 Motherboard
2	338-CBWO	Intel Xeon Gold 5318Y 2,1 GHz, 24C/48T, 11,2 GT/s, 36 MB Cache, Turbo, HT (165 W) DDR4-2933
1	379-BDTF	2,5-Zoll-Gehäuse
1	379-BDSW	SAS-/SATA-/NVMe-fähige Rückwandplatine
1	379-BDTE	Kein Storage (Rückseite)
1	379-BDCO	Zusätzlicher Prozessor ausgewählt
1	379-BCSF	iDRAC, werkseitig generiertes Kennwort
1	379-BCQV	iDRAC Group Manager, aktiviert
1	379-BDSR	No GPU Enablement
1	321-BGEU	2.5" Chassis with up to 8 Universal Drives 1 325-BEBV PowerEdge 2U LCD Blende
1	330-BBRU	Riser Config 0, 4x8 slots 1 350-BCED Dell EMC Luggage Tag
1	350-BBYX	Ohne Quick Sync 1 370-AAIP Leistungsoptimierung
1	370-AEVR	3.200 MT/s RDIMMs 16 370-AEVQ 16 GB RDIMM, 3.200 MT/s, Dual Rank
1	385-BBQV	iDRAC9, Enterprise 15G
4	345-BCVV	960 GB SSD vSAS kombinierte Verwendung 12 Gbit/s 512e 2,5" Hot-Plug-AG-SED-Laufwerk, 3 DWPD
1	403-BCMG	BOSS-S2-Controller-Karte + mit 2 M.2 240 GB (RAID 1)
1	405-AAZB	PERC H755 SAS Front
1	412-AAVB	Heatsink for 2 CPU configuration (CPU greater than or equal to 165W)
1	450-AJHG	Dual, Hot-Plug, Redundantes Netzteil (1 + 1), 1400 W
2	450-AADY	C13 zu C14, PDU Stil, 10 A, 2m (6,5 F), Netzkabel
1	461-AAIG	Trusted Platform Module 2.0 V3
1	293-10049	Versandetikett - Bestellkonfiguration (Versanddatum, Modell, Prozessorgeschwindigkeit, Festplattengröße, RAM)
1	293-10025	Bestandskennzeichnung - ProSupport (Webseite, Barcode, integrierte MAC-Adresse)
1	470-AERR	BOSS Kabel und Klammer für R750 (Riser 1)
1	481-BBFG	PowerEdge R750 Shipping Material
1	540-BCOE	Intel i350 4 Ports 1 GbE BASE-T, OCP NIC 3.0
1	750-ACFQ	Mechanische PERC-Teile (frontseitig), hintere Last
1	750-AABF	Energiesparender Dell Active Power-Controller 1 750-ADGK Standard Fan x6
1	770-BBBQ	ReadyRails-Gleitschienen
1	770-BDRQ	Kabelführungsarm, 2U
1	780-BCDP	RAID 5
1	631-AAACK	Keine Systemdokumentation, kein OpenManage DVD Kit
1	683-19200	Basic Deployment Dell Server R Series 1U/2U
1	709-BBIM	Basic Next Business Day 36 Months 1 865-BBMY ProSupport and Next Business Day Onsite Service Initial, 36 Month(s)

Update TR - B1 BoM Cascade Lake

MX750c

Comments:

1. CPU Config: Please check slide 15
2. Memory Config: Please check slide 16
3. Hard Drives: Please check slide 17
4. Hard Drives: It's allowed to add one Hot Spare Disc
5. OS: Please check slide 19
6. **: Please check with your DellEMC Account Manager which SKU is needed for your country
7. *: these discs are alternate available

Configuration's support up to:

- | | |
|--------------|---------|
| 1. ?? Users | 128 GB |
| 2. 100 Users | 256 GB |
| 3. 200 Users | 512 GB |
| 4. 250 Users | 768 GB |
| 5. 300 Users | 1024 GB |
| 6. ?? Users | 1.5 TB |
| 7. 400 Users | 2 TB |
| 8. ?? Users | 3 TB |
| 9. ?? Users | 4 TB |

IMPORTANT:

R650 / R750 / MX750c are only available with
SLES 15 SP2 and newer!

Quantity	SKU	Description
	210-AYCP	PowerEdge MX750C Server
2	338-CBWK	Intel Xeon Silver 4314 2,4 GHz, 16C/32T, 10,4 GT/s, 24 MB Cache, Turbo, HT (135 W) DDR4- 2666
1	379-BDCO	Zusätzlicher Prozessor ausgewählt
1	379-BDYP	CFG keine PSU-Auswahl für den Versand eines einzelnen Nodes 1 379-BCQY iDRAC Group Manager, deaktiviert
1	321-BGTG	MX750c Schlitten Gehäuse + Hauptplatine
1	321-BGDK	2,5"-Gehäuse mit bis zu 6 SAS-/SATA-Festplatten (kein NVMe)
16	370-AEVP	64GB RDIMM, 3200 MT/s, Dual Rank
1	370-AEVR	3.200 MT/s RDIMMs 1 370-AAIP Leistungsoptimierung
1	385-BBQV	iDRAC9, Enterprise 15G
4	400-BBIC	960 GB SSD-SATA Leseoptimiert 6 Gbit/s 512 2,5"-Hot-Plug-AG-Laufwerk, 1 DWPD
1	405-AAZU	Dell HBA350i MX
1	412-AAUO	2 CPU-Kühlkörper 1 461-AAIG Trusted Platform Module 2.0 V3
1	293-10049	Versandetikett - Bestellkonfiguration (Versanddatum, Modell, Prozessorgeschwindigkeit, Festplattengröße, RAM)
1	470-AEPO	SAS-Kabel H755/HBA350i
1	543-BBDH	Intel XXV710 2 Anschlüsse 10/25 GbE Zusatzkarte
1	544-BBCL	Fabric C Blindplatte
1	750-AABF	Energiesparender Dell Active Power-Controller 1 780-BCDI Kein RAID
1	631-AACK	Keine Systemdokumentation, kein OpenManage DVD Kit
1	683-21829	ProDeploy Dell EMC PowerEdge MX Series Compute Sled
1	683-21830	ProDeploy Dell EMC PowerEdge MX Series Compute Sled Deployment Verification
1	709-BBIM	Basic Next Business Day 36 Months 1 865-BBNF Prosupport Plus and 4Hr Mission Critical Initial, 36 Month(s)

Summary CPU configuration

Memory Configuration	SKU	128GB	256GB	512GB	768GB	1024GB	1536GB	2TB	3TB	4TB
Intel® Xeon® Silver 4310 2.1G, 12C/24T, 10.4GT/s, 18M Cache, Turbo, HT (120W) DDR4-2666	338-CBWJ	2	2	2						
Intel® Xeon® Silver 4314 2.4G, 16C/32T, 10.4GT/s, 24M Cache, Turbo, HT (135W) DDR4-2666	338-CBWK	2	2	2	2	2				
Intel® Xeon® Gold 5318Y 2.1G, 24C/48T, 11.2GT/s, 36M Cache, Turbo, HT (165W) DDR4-2933	338-CBWO	2	2	2	2	2	2	2		
Intel® Xeon® Platinum 8368 2.4G, 38C/76T, 11.2GT/s, 57M Cache, Turbo, HT (270W) DDR4-3200	338-CBBZ	2	2	2	2	2	2	2	2	2

Comments:

1. CPU Configuration only allowed as shown above
2. **: Please check with your Dell EMC Account Manager which SKU is needed for your country

Summary memory configuration

Memory Configuration	SKU	128GB	256GB	512GB	768GB	1024GB	1536GB	2TB	3TB	4TB
8GB RDIMM, 3200MT/s, Single Rank	370-AEVO	16	32							
16GB RDIMM, 3200MT/s, Dual Rank	370-AEVQ		16	32	16+16					
32GB RDIMM, 3200MT/s, Dual Rank	370-AEVN / 370-AGDS			16		32	16+16			
64GB RDIMM, 3200MT/s, Dual Rank	370-AEVP					16		32	16+16	
128GB LRDIMM, 3200MT/s, Quad Rank	370-AGEW							16		32
256GB LRDIMM -> not yet available										16

Comments:

1. **: Please check with your Dell EMC Account Manager which SKU is needed for your country

Summary memory configuration

2 sockets	DIMM GB	128	256	512	768	1024	1536	2048	3072	4096
	8	16	32							
	16		16	32	16+16					
	32			16		32	16+16			
	64					16		32	16+16	
	128							16		32
	256									16

Comments:

1. **. Please check with your Dell/EMC Account Manager which SKU is needed for your country

Summary SAS SSD drives

Certified discs	SKU	R650/R750/MX7 50c 128GB	R650/R750/MX7 50c 256GB	R650/R750/MX7 50c 512GB	R650/R750/MX7 50c 768GB	R650/R750/MX7 50c 1.0TB	R650/R750/MX7 50c 1.5TB	R650/R750/MX7 50c 2.0TB	R650/R750/MX7 50c 3.0TB	R650/R750/MX7 50c 4.0TB
480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD	400-AXTV	3	4	7	10	12				
480GB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD,	400-AZUT	3	4	7	10	12				
480GB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD,	400-BDOD	3	4	7	10	12				
480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive	400-BDSG	3	4	7	10	12				
480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD,	400-BCQG	3	4	7	10	12				
1.92TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM5-R Hot-plug Drive, 1 DWPD,	400-BBQO	3	3	3	4	4	5	6	9	11
1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD,	400-BCOM	3	3	3	4	4	5	6	9	11
1.92TB SSD SATA Mix Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD,	400-AZTN	3	3	3	4	4	5	6	9	11
1.92TB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive	400-BDSU	3	3	3	4	4	5	6	9	11
1.92TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug S4510 Drive, 1 DWPD,	400-BDOE	3	3	3	4	4	5	6	9	11
1.92TB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD,	400-AXSD	3	3	3	4	4	5	6	9	11
1.92TB SSD SAS Read Intensive 12Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD,	400-AXOP	3	3	3	4	4	5	6	9	11
1.92TB SSD vSAS Mixed Use 12Gbps 512e 2.5in Hot-Plug AG drive,3 DWPD	400-BFSE	3	3	3	4	4	5	6	9	11
1.92TB Solid State Drive Value SAS SED Mixed Use 512e 2.5in Hot-Plug AG Drive 3 DWPD	345-BCLI	3	3	3	4	4	5	6	9	11
1.92TB SSD vSAS Mixed Use 12Gbps 512e 2.5in Hot-Plug AG SED Drive,3DWPD,	345-BCSK	3	3	3	4	4	5	6	9	11
1.92TB SSD vSAS Read Intensive 12Gbps 512e 2.5in Hot-Plug, AG SED Drive, 1DWPD,	345-BCSW	3	3	3	4	4	5	6	9	11
3.84TB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD,	400-AXSK	3	3	3	3	3	3	4	5	6
3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD,	400-BDNK	3	3	3	3	3	3	4	5	6
3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM5-R Hot-plug Drive, 1 DWPD,	400-BBQX	3	3	3	3	3	3	4	5	6
3.84TB SSD SAS Read Intensive 12Gbps FIPS-140 512e 2.5in PM5-R Drive, 1 DWPD	400-BGJZ	3	3	3	3	3	3	4	5	6
3.84TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD,	400-BCOV	3	3	3	3	3	3	4	5	6
3.84TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V,3 DWPD,	400-BEPF	3	3	3	3	3	3	4	5	6
3.84TB Solid State Drive vSAS Read Intensive SED 512e 2.5in Hot-Plug AG Drive 1 DWPD	345-BCEW	3	3	3	3	3	3	4	5	6
3.84TB SSD SAS Read Intensive 12Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD,	400-AXPE	3	3	3	3	3	3	4	5	6
3.84TB SSD vSAS Mixed Use 12Gbps 512e 2.5in Hot-Plug AG Drive,3 DWPD	400-BFOX	3	3	3	3	3	3	4	5	6
3.84TB SSD vSAS Read Intensive 12Gbps 512e 2.5in Hot-Plug, AG SED Drive, 1DWPD,	345-BCSY	3	3	3	3	3	3	4	5	6
3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM6 1 DWPD Hot-Plug	345-BCNU	3	3	3	3	3	3	4	5	6
3.84TB SSD vSAS Mixed Use 12Gbps 512e 2.5in Hot-Plug AG SED Drive,3DWPD,	345-BCVR	3	3	3	3	3	3	4	5	6

Comments:

1. **: Please check with your DellEMC Account Manager which SKU is needed for your country
2. The configurations are only examples because we certified a volumen size (slide 8-11)

SKUs for SuSe for SAP

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SLES skus for B1/HANA (NA)

SLES standard

SUSE Part #	WW SKU	MOD#	Item Name
874-006881	528-CIWT	G6MXK	SUSE Linux Enterprise Server, 1-2 SKT or 1-2 VMs, L3 Subscription, 1 Year, Digitally Fulfilled
874-006889	528-CIWU	MCGTW	SUSE Linux Enterprise Server, 1-2 SKT or 1-2 VMs, L3 Subscription, 3 Year, Digitally Fulfilled
874-006903	528-CI WV	82CGW	SUSE Linux Enterprise Server, 1-2 SKT or 1-2 VMs, L3 Subscription, 5 Year, Digitally Fulfilled
874-006882	528-CI WW	RTMX1	SUSE Linux Enterprise Server, 1-2 SKT w Unlimited VMs, L3 Subscription, 1 Year, Digitally Fulfilled
874-006893	528-CI WX	G59D5	SUSE Linux Enterprise Server, 1-2 SKT w Unlimited VMs, L3 Subscription, 3 Year, Digitally Fulfilled
874-006904	528-CI WY	VKPF8	SUSE Linux Enterprise Server, 1-2 SKT w Unlimited VMs, L3 Subscription, 5 Year, Digitally Fulfilled

SLES for SAP Applications

Check with local country reps for proper country skus

SUSE Part #	WW SKU	MOD#	Item Name
	528-BTZH		SUSE Enterprise Linux Server for SAP, 1-2 Sockets or 1-2 VMS, L3 Only, 1yr Subscription
	528-BTZD		SUSE Enterprise Linux Server for SAP, 1-2 Sockets or 1-2 VMS, L3 Only, 3yr Subscription
	528-BTZF		SUSE Enterprise Linux Server for SAP, 1-2 Sockets or 1-2 VMS, L3 Only, 5yr Subscription
	528-BTZG		SUSE Enterprise Linux Server for SAP, 1-2 Sockets w/ Unlimited VMs, L3 Only, 1yr Subscription
	528-BTZC		SUSE Enterprise Linux Server for SAP, 1-2 Sockets w/ Unlimited VMs, L3 Only, 3yr Subscription
	528-BTZE		SUSE Enterprise Linux Server for SAP, 1-2 Sockets w/ Unlimited VMs, L3 Only, 5yr Subscription

Available Suse OS Versions

- on Suse document
https://partner.suse.com/prm/English/c/SUSE_Linux_Enterprise_SAP_Business_One
- You find all released OS versions for SAP Business one
- Including the download link for this versions

SUSE Linux Enterprise for SAP Business One

The SAP HANA database for SAP Business One products (SAP Business One, version for SAP HANA and SAP Business One analytic's powered by SAP HANA) runs on SUSE Linux Enterprise Server (SLES).

Getting started with SAP Business One on HANA has never been easier. Easily and quickly install SAP and SUSE software in just a few minutes.

As SUSE Partners, you have access to the SUSE Installation Wizard.

You want to install SAP Business One 9.3 please choose the SLES12 SP4 installer below.
The Wizard assist during the installation of:

- Linux Enterprise Server 12 SP4 (A bootable operating system image)
- SAP HANA 1.0,
- SAP Business One 9.3

Download the SUSE Installation Wizard image here: DOWNLOAD (https://updates.suse.com/SUSE/Products/SLE-Product-SLES_SAP_BOne/12-SP4/x86_64/iso/SLES12-SP4-SAPBOne-Installer.x86_64-GM.iso?CYmDTZmpfVEdxxDuGqY_61nW9YU2cYTkoA-KuUwTidLgTiv_B-Vz7zpQHLbyIM98MybCwXVmu5iO6nz4jX_umymAF8wneM7HqVnSCmcLGL3zZb1wSZ7ngw9SRM7_1dzGZkGxPVYnNifG4c0lpKlIvks53bBLQFT)

Checksum (sha256): SLES12-SP4-SAPBOne-Installer.x86_64-GM.iso
b341d6fddaceb359026acbb4ff9a91f8770c2a0t28dc8f67079ad1ca140b6010

You want to install the latest SAP Business One 10 version please choose the installer below.
The Wizard assist during the installation of:

- SUSE Linux Enterprise Server 15 SP2 (A bootable operating system image)
- SAP HANA 2.0
- SAP Business One 10.0

Download the SUSE Installation Wizard image here: DOWNLOAD (https://updates.suse.com/SUSE/Products/SLE-Product-SLES_SAP_BOne/15-SP2/x86_64/iso/SLES15-SP2-Installer-for-SAP-Business-One.x86_64-15.2-GM.install.Liso?Y-Vig_otF7aM8dTxlOSjoqjPD0htUBBJz8VciInk1AOcOnQLWbLbmklUzY-qwxrNOQGxpcCyWriuQikR6wzMYVPWElcWaewCMPMxbabyBQ3JBUJb9FRKnCX-Intz_MuMDlSjIbChgnrjQ8aR_x_1o1O-MVgNpusYVw7trncNayBILHV-_b0JFMRl)

Checksum (sha256): SLES15-SP2-Installer-for-SAP-Business-One.x86_64-15.2-GM.install.Liso
422a734a67fa9da66c30ab537627de3c2014fb07190eeb71c4ebcd760e2aa9

The SLES15 SP2 installer image was validate by those IHV's:

- Dell
- Nutanix
- Supermicro
- FUJITSU

SAP Business One TDI

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SAP Business One TDI

SAP HANA tailored data center integration (TDI) was released in November 2013 to offer an additional approach of deploying SAP HANA. While the deployment of an appliance is easy and comfortable for customers, appliances impose limitations on the flexibility of selecting the hardware components for compute servers, storage, and network.

Furthermore, operating appliances may require changes to established IT operation processes. For those who prefer leveraging their established processes and gaining more flexibility in hardware selection for SAP HANA, SAP introduced SAP HANA TDI. TDI overview / TDI FAQ.

➤ [2187112 - SAP Business One, version for SAP HANA on TDI \(Tailored Datacenter Integration\)](#)

2020-08-26

2187112

2187112 - SAP Business One, version for SAP HANA on TDI (Tailored Datacenter Integration)

Version	7	Type	SAP Note
Language	English	Master Language	English
Priority	Recommendations / Additional Info	Category	Consulting
Release Status	For Checking	Released On	15.05.2018
Component	SBO-HANA-COM (SAP Business One on SAP HANA installation/upgrade)		

Please find the original document at <https://launchpad.support.sap.com/#/notes/2187112>

Symptom

You want to install SAP Business One, version for SAP HANA leveraging the tailored datacenter integration (TDI) deployment option.

Other Terms

B1, Business One

Reason and Prerequisites

SAP HANA tailored data center integration (TDI) was released in November 2013 to offer an additional approach of deploying SAP HANA. While the deployment of an appliance is easy and comfortable for customers, appliances impose limitations on the flexibility of selecting the hardware components for compute servers, storage, and network. Furthermore, operating appliances may require changes to established IT operation processes. For those who prefer leveraging their established processes and gaining more flexibility in hardware selection for SAP HANA, SAP introduced SAP HANA TDI. [TDI overview](#) / [TDI FAQ](#).

Now it is also available for SAP Business One, version for SAP HANA, under certain restrictions.

Solution

Compute Servers

SAP Business One, version for SAP HANA on TDI setups can use:

- [Compute servers from the existing SAP Business One, version for SAP HANA](#)

- [Compute servers from the supported Intel Systems](#) with the following restrictions:

- For production usage:
 - Intel Xeon SP (Cascade Lake)
 - Only 2-socket servers with minimum 10 cores and CPU type Intel SP-4216 or SP CPU with higher specification. For system sizes ≤ 384, GB is supported with Intel SP-4210.
 - Intel Xeon SP (Skylake)
 - Only 2-socket servers with minimum 10 cores and CPU type Intel SP-5118 or SP CPU with higher specification. For system sizes ≤ 384, GB is supported with Intel SP-4114.
 - Intel Broadwell architecture (Intel Xeon E5-26xx v4)

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1 of 3

Here is the
Solution Brief:



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SAP Business One HCI

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SAP Business One HCI

SAP now allows SAP Business One to run on certified SAP HCI hardware

Dell certified with SAP all Dell SAP HANA HCI landscapes, existing out of VxRail, VSAN RN and PowerFlex!

Please reach out to

[3017646 - Installing SAP Business One for SAP HANA in a hyperconverged infrastructure \(HCI\) environment on Dell EMC hardware](#)

3017646 - Installing SAP Business One for SAP HANA in a hyperconverged infrastructure (HCI) environment on Dell EMC hardware

Version	1	Type	SAP Note
Language	English	Master Language	English
Priority	Correction with medium priority	Category	Consulting
Release Status	Released for Customer	Released On	03.02.2021
Component	SBO-HANA-COM (SAP Business One on SAP HANA installation/upgrade)		

Please find the original document at <https://launchpad.support.sap.com/#/notes/3017646>

Symptom

You want to install SAP Business One for SAP HANA in a hyperconverged infrastructure (HCI) environment using Dell EMC SAP HANA-certified HCI solutions.

Other Terms

VMware, vSphere, Nutanix, virtualized, B1, Business One, HCI, Dell EMC, Dell Technologies, HCI, VxRail, vSAN Ready Nodes, PowerFlex

Reason and Prerequisites

The SAP HANA hardware directory in the [HCI solutions section](#) lists the Dell EMC HCI solutions that are certified to run SAP HANA Business One.

Configuration and overall setup must comply with the latest version of the Dell EMC best practice document. The hardware directory for the specific solution and the hypervisor configuration from VMware or Nutanix. The [Dell Technologies Solutions Info Hub](#) for SAP lists the solution configuration guides. The following section lists the corresponding hypervisor guides.

Solution

By issuing this SAP Note, SAP extends support for SAP Business One for SAP HANA on all Dell EMC HCI solutions running SAP HANA on either VMware or on Nutanix, which are listed in the [Dell EMC HCI solutions listed in the HANA Hardware Directory](#) to the same degree as general applicable.

For more details please see the following SAP notes:

SAP Note [2652670](#) - SAP HANA VM on VMware vSphere for information about supported ESXi versions

SAP Note [2020657](#) - SAP Business One, version for SAP HANA virtualized for information about support for SAP Business One on VMware

SAP Note [1788665](#) - SAP HANA Support for virtualized/partitioned (multi-tenant) environments for information about SAP HANA support for Nutanix

SAP Note [2686722](#) - SAP HANA virtualized on Nutanix AOS for information about running SAP HANA on Nutanix HCI



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SAP Business One HCI – Nutanix / Dell XC

Beside the VMware virtualization customers also can use OEM Nutanix on AHV hardware

Please reach out to

2836729 - Installing SAP Business One for SAP HANA in a virtualized environment using Nutanix HCI

2020-02-27

2836729

2836729 - Installing SAP Business One for SAP HANA in a virtualized environment using Nutanix HCI

Version	1	Type	SAP Note
Language	English	Master Language	English
Priority	Correction with medium priority	Category	Consulting
Release Status	Released for Customer	Released On	16.09.2019
Component	SBO-HANA-COM (SAP Business One on SAP HANA installation/upgrade)		

Please find the original document at <https://launchpad.support.sap.com/#/notes/2836729>

Symptom

You want to install SAP Business One for SAP HANA in a virtualized environment using Nutanix HCI infrastructure based on SAP HANA Certified HCI solutions.

Other Terms

Nutanix, AHV, AOS, virtualized, B1, Business One, HCI

Reason and Prerequisites

Running Business One on HANA on Nutanix HCI infrastructure requires using a OEM hardware platform that has been certified to be used and listed in the SAP HANA hardware directory under certified HCI solutions here: <https://www.sap.com/dmc/exp/2014-09-02-hana-hardware/en/en/hci.html#categories=certified%23Nutanix%20AOS>

Configuration and overall setup must comply with the latest version of the best practice guide (<http://download.nutanix.com/solutionsDocs/BP-2097-SAP-HANA.pdf>). This includes compliance to the SAP HANA core-to-memory ratio as reflected in the HANA Hardware Directory and virtualization calculus as described in the best practice guide as well as priority for SAP HANA production workloads over co-deployed non-production workloads.

Solution

By issuing this SAP Note, SAP extends support for SAP Business One, version for SAP HANA on Nutanix HCI infrastructure to the same degree as generally applicable for SAP HANA on Nutanix.

- Please see SAP note [1788665](#) for SAP HANA support on Nutanix (ignore all other virtualization options and HW partitioning technologies).
- Please see SAP note [2686722](#) for the details about running SAP HANA on Nutanix HCI infrastructure.

This document refers to

SAP Note/KBA	Title
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SAP Business One Additional Info

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Central information: SAP Business One, version for SAP HANA

- Overview information:
 - <http://go.sap.com/product/enterprise-management/business-one-hana.html>
 - <http://go.sap.com/product/enterprise-management/business-one-hana-analytics.html>
 - [SAP Business One on SAP HANA solutions \(http://scn.sap.com/docs/DOC-43450\)](http://scn.sap.com/docs/DOC-43450)
- Central notes:
 - [2001393 - Central Note for SAP Business One 9.1, version for SAP HANA](http://scn.sap.com/docs/DOC-2001393)
 - [2187112 - SAP Business One, version for SAP HANA on TDI](http://scn.sap.com/docs/DOC-2187112)
 - [2216144 - Central Note for SAP Business One 9.2, version for SAP HANA](http://scn.sap.com/docs/DOC-2216144)
 - [2382775 - SAP Business One certified servers for SAP HANA](http://scn.sap.com/docs/DOC-2382775)
 - [SAP Business One for SAP HANA certified server configurations \(http://scn.sap.com/docs/DOC-59383\)](http://scn.sap.com/docs/DOC-59383)
- SAP HANA B1 on VMware:
 - [SAP Business One, version for SAP HANA on VMWare vSphere guide \(http://scn.sap.com/docs/DOC-57924\)](http://scn.sap.com/docs/DOC-57924)
 - [2020657 - SAP Business One, version for SAP HANA on VMware vSphere](http://scn.sap.com/docs/DOC-2020657)
 - [2652670 - SAP HANA VM on VMware vSphere](http://scn.sap.com/docs/DOC-2652670)
- SAP HANA B1 on HCI
 - [1788665 - SAP HANA Support for virtualized/partitioned \(multi-tenant\) environments for information about SAP HANA support for Nutanix](http://scn.sap.com/docs/DOC-1788665)
 - [2020657 - SAP Business One, version for SAP HANA virtualized for information about support for SAP Business One on VMware](http://scn.sap.com/docs/DOC-2020657)
 - [2652670 - SAP HANA VM on VMware vSphere for information about supported ESXi versions](http://scn.sap.com/docs/DOC-2652670)
 - [2686722 - SAP HANA virtualized on Nutanix AOS for information about running SAP HANA on Nutanix HCI](http://scn.sap.com/docs/DOC-2686722)
 - [2791150 - SAP HANA on Dell EMC hyper-converged infrastructures](http://scn.sap.com/docs/DOC-2791150)
 - [2836729 - Installing SAP Business One for SAP HANA in a virtualized environment using Nutanix HCI](http://scn.sap.com/docs/DOC-2836729)

Business One Solution Brief

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NEW: Solution Brief, Dell Technologies Advantage for SAP Business

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Solution Brief

Dell Technologies advantage

Fast track your SME business management implementation for SAP



SAP Business

The SAP Business Suite for growing SMEs. It helps you manage your business processes, accounting and customer relationships, and human resources. SAP Business Suite in-memory platform allows you to gain insights into your business.

Dell EMC PowerEdge servers' advantage

Running SAP applications on performance-optimized Dell EMC PowerEdge servers with built-in manageability can help businesses make faster, better and more informed decisions. Dell Technologies' SAP HANA-certified infrastructure solutions simplify the design, acquisition and deployment of SAP solutions. Flexible, adaptable configurations – available in a range of sizes, from mini towers to rack-capable platforms – means you can start small and scale as the business grows.

- **More processing power** – the latest PowerEdge servers featuring Intel® Xeon® Scalable processors, with optional Intel® Optane™ DC persistent memory, boost virtualized environments and performance-hungry applications to provide a consistent experience and a solid base for future expansion.
- **Scalable, efficient local storage** – a wide range of in-server storage options enables all-flash configurations, in-box hybrid tiered solutions, low-cost dense capacity platforms, and matching server-based storage/application requirements for best performance and value.
- **Simplified, intelligent management** – integrated Dell EMC OpenManage provides increased automation, simpler tools and mobile device access to monitor performance of critical server components and overall system, accelerate time-to-production, saving time/costs spent on daily tasks.
- **Exceptional operational efficiency** – advanced reliability, availability and serviceability (RAS) features with highly redundant hardware configurations, including SAN/NAS and a highly available multimode design, maximize uptime and ensure low-risk maintenance.

PowerEdge servers and Dell EMC data storage products are certified for SAP HANA TDI (Tailored Datacenter Integration) to maximize flexibility of selecting the hardware components, including existing hardware in your data center, and minimize implementation costs and risk. Dell offers a range of preconfigured PowerEdge platform options for SAP Business One, version for SAP HANA, for quicker deployment and faster time to value.

Dell EMC Certified Appliance Configurations (with 96 GB RAM up to 6 GB RAM, supports 35 to 800 users)

Will be updated after official certification !!!

	Disks: 12x400 or 10x480 or 7x800 or 6x960 or 4x1,920 GB SATA/SAS SSD drives RAID 5 (4,048/3,969/4,404/4,465/5,361 GB for HANA)
1.5 TB	Server: PowerEdge R640/T640/R740/R740XD/R640/R640 (Intel® Cascade Lake SP) Memory: 24x4 GB LRDIMM DDR4 or 12x128 GB LRDIMM DDR4 Sockets: 2x Intel® Xeon® SP 4216 or Intel® Xeon® SP with higher specification Disks: 20x400 or 17x480 or 11x800 or 9x960 or 5x1,920 GB SATA/SAS SSD drives RAID 5 (6,992/7,056/7,440/7,144/7,148 GB for HANA)
3 TB	Server: PowerEdge R740/R740XD/R840/R940 (Intel® Cascade Lake SP) Memory: 24x128 GB LRDIMM DDR4 Sockets: 2 x Intel® Xeon® SP 8276(M) or Intel® Xeon® SP with higher specification Disks: 19x800 or 16x960 or 9x1,920 GB SATA/SAS SSD drives RAID 5 (13,392/13,395/14,296 GB for HANA)
6 TB	Server: PowerEdge R840/R940 (Intel® Cascade Lake SP) Memory: 48x128 GB LRDIMM DDR4 Sockets: 4 x Intel® Xeon® SP 8276(M) or Intel® Xeon® SP with higher specification Disks: 18x1.6TB SATA/SAS or 12x1.920 GB SATA/SAS or 9x3.84TB SSD drives RAID 5 (25/25/27 TB for HANA)

SAP Certified and Supported SAP HANA Hardware Directory, SAP Business One, Dell, certified, for Intel® Cascade Lake



[Learn more](#) about Dell Technologies SAP solutions



[Contact](#) a Dell Technologies expert

Here is the Solution Brief:



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Business One Certification Document

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Business One Certification Documents

- R740xd / R840 / R940 - CPU: Cascade Lake

Will be updated after official certification !!!

Here is the PDF:



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Document

Appliance specification used for test:

Server System:	PowerEdge R740XD/R840/R940
Model:	PowerEdge
Version / Year:	2019
Used CPU:	4* Intel(R) Xeon(R) Platinum 8280M CPU @ 2.70GHz
Memory:	6 TB
Appliance Type:	B1 Single Node
Storage Setup:	Log volume & Data volume: pool from 10x 800GB SATA SSD drives RAID5
File System:	XFS
Operating System:	SLES 12 SP4 for SAP Applications
Restrictions & Comments:	Configurations supported up to: 35 users (96 GB) - 800 users (6 TB) Configurations supported with Intel Xeon SP as outlined on the SAP HANA Hardware Directory

This certification includes the following Appliance model(s):
PowerEdge R740XD/R840/R940: 96GB - 6TB
Detailed listings are available on the SAP HANA Hardware Directory.

SAP SE
Walldorf, September 9, 2019

SAP® Certified
Hardware for SAP HANA®

THE BEST RUN 

SAP only certifies successful integration of the product with SAP solutions. Vendor is responsible for the product itself, its error-free operation, and adherence to applicable laws.

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The logo for Dell Technologies, featuring the word "DELL" in a bold, sans-serif font, followed by the word "Technologies" in a lighter, sans-serif font. The "E" in "DELL" is stylized with three diagonal lines extending from its right side.

Q & A

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