

Hitachi-Supported Servers for SAP on Linux

Supported Servers Guide

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These are all released and supported Hitachi servers to run SAP on Linux. [Additional Information \(on page 6\)](#) has information on finding supported servers to run SAP on Microsoft® Windows Server®.

If you want to run SAP applications on a non-listed model, or in combination with a non-listed Linux distribution or version, contact your Hitachi Vantara or Hitachi account manager.

Virtualization

In 2011, SAP announced the global and general support of virtualization technologies and solutions:

- [1492000](#) - General Support Statement for Virtual Environments
- [1122387](#) - Linux: SAP Support in virtualized environments

Hitachi supports KVM, XEN, and VMware-based virtualization. KVM and XEN, as part of the Linux distribution's operating system, are released automatically. For more details on KVM and XEN, refer to the following SAP Notes:

- [1522993](#) (SUSE KVM) - Linux: SAP on SUSE KVM - Kernel-based Virtual Machine
- [1400911](#) (Red Hat KVM) - Linux: SAP NetWeaver on Red Hat KVM - Kernel-based Virtual Machine
- [962334](#) (SUSE XEN) - Linux: SAP on SUSE Xen Virtual Machine
- [1739625](#) (Red Hat XEN) - Linux: SAP NetWeaver on Red Hat Xen

For a complete list of servers that support VMware, refer to the [VMware Compatibility Guide](#) and use filtering to narrow down your search for specific servers.

Since June 2014, SAP has been supporting Hitachi's logical partitioning (LPAR) feature for SUSE Linux Enterprise Server and Red Hat Enterprise Linux. This provides virtualization that enables physical server resources to be allocated among multiple securely isolated partitions to maximize the efficiency and utilization of server blade hardware. Find out more in SAP Note [2025249](#)(Linux: SAP on Hitachi HVM LPAR virtualization).

Hitachi-supported servers

Hitachi supports these servers for running SAP on SUSE Linux Enterprise Server and Red Hat Enterprise Linux:

- Table 1 Hitachi Compute Blade Server Details lists the details of supported Hitachi Compute Blade servers
- Table 2 Hitachi Compute Rack Server Details lists the details of supported Hitachi Compute Rack servers

Table 1 Hitachi Compute Blade Server Details

Server Blade Chassis	CPU Type		Server Blade Model	
Hitachi Compute Blade 2500 ² BladeSymphony ⁴ BS2500 ³	Broadwell	E7 v4	CB 520X B3 ² BS2500 HE0x3 ³	
		E5 v4	CB 520H B4 ² BS2500 HC0A2 ³	
	Haswell	E7 v3	CB 520X B2 ^{1, 2} BS2500 HE0x2 ^{1, 3}	
		E5 v3	CB 520H B3 ^{1, 2} BS2500 HC0A1 ^{1, 3}	
	Ivy Bridge	E7 v2	CB 520X B1 ^{1, 2} BS2500 HE0x1 ^{1, 3}	
	Hitachi Compute Blade 500 ² BladeSymphony ⁴ BS500 ³	Broadwell	E7 v4	CB 520X B3 ² BS520X B3 ³
			E5 v4	CB 520H B4 ² BS520H B4 ³
		Haswell	E7 v3	CB 520X B2 ^{1, 2} BS520X B2 ^{1, 3}
E5 v3			CB 520H B3 ^{1, 2} BS520H B3 ^{1, 3}	
Ivy Bridge		E7 v2	CB 520X B1 ^{1, 2} BS520X B1 ^{1, 3}	
		E5 v2	CB 520H A2 ^{1, 2} BS520H A2 ^{1, 3}	

Server Blade Chassis	CPU Type		Server Blade Model
			CB 520H B2 ^{1, 2} BS520H B2 ^{1,3}
	Sandy Bridge	E5	CB 520H A1 ¹ BS520H A1 ¹
			CB 520H B1 ¹ BS520H B1 ¹
Hitachi Compute Blade 2000 ² BladeSymphony ⁴ BS2000 ³	Ivy Bridge	E5 v2	AX55x4 ¹
	Sandy Bridge	E5	AX55x3 ¹
	Westmere	E7	AX57A2 ¹
Hitachi Compute Blade 320 ^{1, 2} BladeSymphony ⁴ BS320 ¹	Westmere	5000	GGAx51x5 ¹

Table 2 Hitachi Compute Rack Server Details

Hitachi Compute Rack	CPU Type		Server Model
Hitachi Advanced Server DS7080 ²	Cascade Lake	SP	DS7080
	Skylake	SP	
Hitachi Advanced Server DS7040 ²	Cascade Lake	SP	DS7040
	Skylake	SP	
Hitachi Advanced Server DS7020 ²	Cascade Lake	SP	DS7020
	Skylake	SP	
Hitachi Advanced Server DS240 ²	Skylake	SP	DS240
Hitachi Advanced Server DS220 ²	Cascade Lake	SP	DS220
	Skylake	SP	
Hitachi Advanced Server DS220 G2 ²	Ice Lake	SP	DS220 G2
Hitachi Advanced Server DS120 ²	Cascade Lake	SP	DS120
	Skylake	SP	

Hitachi Compute Rack	CPU Type		Server Model
Hitachi Advanced Server DS120 G2 ²	Ice Lake	SP	DS120 G2
Rack optimized server for solutions, 2U single node ²	Broadwell	E5 v4	Rack optimized server for solutions, 2U single node
	Haswell	E5 v3	
HA8000/RS440 ³	Broadwell	E7 v4	RS440 xN1
	Haswell	E7 v3	RS440 xN
HA8000/RS220 ³	Broadwell	E5 v4	RS220 xN2
	Haswell	E5 v3	RS220 xN/xN1
HA8000/RS210 ³	Broadwell	E5 v4	RS210 xN2
	Haswell	E5 v3	RS210 xN/xN1
¹ This server family is end of life. ² This name applies to the worldwide market (except Japan). ³ This name applies to the Japanese market only. ⁴ Hitachi Compute Blade models are marketed under the BladeSymphony name in Japan.			

Additional Information

Hitachi Vantara certifies the servers used for SAP on Linux with both SUSE and Red Hat to ensure a fully functional, operational, and supported environment for our customers.

To visit the list of certified Hitachi Vantara servers along with the certification details on SUSE and Red Hat websites, use the following links:

- [SUSE – Certified Servers and Certification Details](#)
- [Red Hat – Certified Servers and Certification Details](#)

Additionally, Hitachi Vantara certifies selected servers to support SAP on Microsoft® Windows Server®. Those servers as well as the certification details can be found [here](#).

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