vtServer 2.11.0 Host Platform Compatibility List

This document provides a list of all hardware system A copy of the HPCL with the new banner is attached for review.s and components that are supported by the indicated version of vtServer.

Components that are not listed have not yet been tested; it does not necessarily mean that they will not work. When in doubt about the support status of a hardware component, send email to support@avtware.com

AVTware cannot be held responsible for the fact that unverified products may prove not to work in practice, or that support has been dropped by the manufacturer of such product.

If you intend to run vtServer on a virtualized host system, please see the Virtual Machine section at the end of this document for a list of supported hypervisors.

Systems

In general each X86 64-bit host should work, however there may be occasions where a specific chipset or on-board controller may not yet be included. When in doubt contact support@avtware.com

HP Server Platforms (G6 and newer recommended)

HP Proliant ML (tower), DL (rackmount) and BL (blade) models

Note: HP ProLiant offers 3 RAID options:

- Hardware RAID (standard)
- Hardware RAID with caching (high performance)
- Software RAID (low-cost)

The hardware RAID configurations are supported by vtServer.

The software RAID functionality is not supported because it utilizes proprietary software that HP has not made available to be included in vtServer. The software RAID controllers may be used with vtServer only if the RAID feature is disabled, which eliminates hardware redundancy.

Hardware redundancy requires hardware RAID controllers or the use of storage on a SAN. Installation of vtServer software on SAN-based storage is supported in versions 2.10.2 and later.

Other tested brands:

Asus
RS120-E3/PA4

Dell
PowerEdge Blade, Rackmount and Tower models

SuperMicro
SuperServer 6024H-TR

Tyan
Transport GT20/PX22 B2865

Processors

Intel i5, i7; Xeon models 5500, 5600; E3, E5, E7
AMD A6, A8, A10; Phenom II; Opteron 4000, 6000

For all processors the following rule applies: ***the higher the frequency, the better the virtualized performance***.

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Ethernet Adapters (wired)

3COM
3c905, 3c940, 3c996, 3c980

Allied Telesis
AT-2711FX-SC-901 Fiber Optic Ethernet adapter

Broadcom
BCM5701, BCM5708, BCM5721, BCM5787

D-Link
DFE-528TX, DFE-530TX, DFE-538TX

Intel
E1000, Pro/100, Pro/1000
82541GI/PI, 82546EB, 82566D, 82573L

Realtek
RTL8139, RTL-8168, RTL8169,

Graphic Adapters

Most standard graphics adapters are supported out of the box. When more advanced graphics features are needed, such as for the virtualization of a graphical workstation, adapters that use non-standard drivers may be required. A list of supported ATI and NVIDIA graphic adapters and the required drivers may be found on our web site at avtware.com/support.

Note: Management of vtServer is performed using the system console or using a browser-based interface that can be accessed from any system on the network; graphics support on the vtServer host system is not required.

ASUS
EAX550, EAH4350, EAH5450, EAH5670

AMD/ATI
Radeon
Rage XL

Intel
HD2000, HD3000
4500MHD
850GM, 965GM

Matrox
G550
P650

Nvidia
GEFORCE
NFORCE
QUADRO
NVS
TESLA
GRID

VIA
KM400

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Storage Adapters

Adaptec
AIC-7899P
2020SA
2410SA
29160
29320

Emulex (FibreChannel)
All

HP
HP 412911
HP SC11Xe SCSI HBA
Smart Array P212
Smart Array P410
Smart Array P410i
Smart Array P411
Smart Array P812
Smart Array P711m
Smart Array 5300
Smart Array 5i
Smart Array 532
Smart Array 5312
Smart Array 641
Smart Array 642
Smart Array 6400
Smart Array 6400 EM
Smart Array 6i
Smart Array P600
Smart Array P800
Smart Array P400
Smart Array P400i
Smart Array E200i
Smart Array E200
Smart Array E500
Smart Array P700M
StorageWorks P1210m

Intel
82801ER (ICH5R) SATA

Qlogic (FibreChannel)
All

Promise
PDC20318
R20378

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Serial Line Adapters

Moxa

2 ports multiport board:

CP-102U, CP-102UL, CP-102UF, CP-102E, CP-102EL
CP-132U-I, CP-132UL, CP-132EL, CP-132EL-I
CP-132, CP-132I, CP132S, CP-132IS
CI-132, CI-132I, CI-132IS, C102H, C102HI, C102HIS, C102P, CP-102, CP-102S

4 ports multiport board:

CP-104EL
CP-104UL, CP-104JU
CP-134U, CP-134U-I
C104H/PCI, C104HS/PCI
CP-114, CP-114I, CP-114S, CP-114IS, CP-114UL, CP-114EL, CP-114EL-I
C104H, C104HS
CI-104J, CI-104JS
CI-134, CI-134I, CI-134IS, C114HI, CT-114I, C104P
POS-104UL
CB-114
CB-134I

8 ports multiport board:

CP-118EL, CP-168EL
CP-118U, CP-168U
C168H/PCI
C168H, C168HS, C168P
CB-108

Digi

Most types

USB Serial Line Adapters

Most brands and types

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Virtual Machines

Hyper-V
Yes *)

KVM
Yes

VMware
Yes, ESXi 4.1, 5.0, 5.1 and 5.5

Xen
Yes

Users have experienced problems with some hypervisors, including VMware ESXi versions prior to 5.5, dropping USB devices dedicated to the vtServer host for the hardware license key. When this occurs, running virtual Alpha or VAX instances will be halted after the license time-out period (16 hours) is exceeded unless the license is served via a network license server in the interim.

We recommend the use of vtLicense or another network license server when running vtServer on a virtual host system to eliminate the risk of the hypervisor dropping the license device from the VM and to increase the flexibility of your virtual VAX and Alpha installation. Use of a network license server allows you to use the hypervisor's live host migration features (e.g., VMware vMotion) to move your virtual VAX and Alpha instances across physical hosts in the VM environment.

*) These virtual machine products do not support USB devices; use a vtLicense server.

vtMonitor Management Console

vtServer includes a browser-based graphical user interface (vtMonitor) that provides the capability to manage vtServer and the virtual Alpha and VAX configurations from any computer in the network with IP (http/https) access to the vtServer host.

Supported browsers (use recent versions):
Mozilla Firefox
Microsoft Internet Explorer
Microsoft Edge
Apple Safari
Google Chrome

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