

HP BL495c G5 blade with ESX 3.5 U2 - ...



alkfung 9 posts since

Jan 17, 2008

Sooo, a virtualization blade that is not officially supported on the HCL for VMWare....

It's a great blade, but two things:

- 1) The drivers do not recognize the 10G NIC, which is a Broadcom Netextreme II, Model NC532i. I had to use an NC373 mezzanine.
- 2) Memory (this was the killer). After installing, it would throw up a code that it could not initialize the VMKernel on bootup. Memory related issue. Here are the tested methods I had to actually get it to initialize properly.
 - a. 8 x 4GB Memory modules populating the right banks. AND 2 x 2GB memory modules on the first two slots on the left bank.
 - b. 8 x 8GB Memory modules populating the right banks. AND 2 x 2GB memory modules on the first two slots on the left bank.

If anyone can figure out the NIC issue, please let me know! 😊



Texiwill 10,212 posts since

Jan 13, 2004 1. **Re: HP BL495c G5 blade with ESX 3.5 U2 - Memory and NIC Issues - Memory Resolved** Nov 6, 2008 7:19 AM

Hello,

- 1) The drivers do not recognize the 10G NIC, which is a Broadcom Netextreme II, Model NC532i. I had to use an NC373 mezzanine.

If the NIC is not on the HCL, it will not have a driver.

- 2) Memory (this was the killer). After installing, it would throw up a code that it could not initialize the VMKernel on bootup. Memory related issue. Here are the tested methods I had to actually get it to initialize properly.

- a. 8 x 4GB Memory modules populating the right banks. AND 2 x 2GB memory modules on the first two slots on the left bank.
- b. 8 x 8GB Memory modules populating the right banks. AND 2 x 2GB memory modules on the first two slots on the left bank.

Interesting.

Best regards,

Edward L. Haletky

VMware Communities User Moderator

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Author of the book 'VMWare ESX Server in the Enterprise: Planning and Securing Virtualization Servers', Copyright 2008 Pearson Education.

SearchVMware Blog: <http://itknowledgeexchange.techtarget.com/virtualization-pro/>

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Blue Gears Blogs - <http://www.itworld.com/> and <http://www.networkworld.com/community/haletky>

As well as the Virtualization Wiki at <http://www.astroarch.com/wiki/index.php/Virtualization>



[rfk1O21](#) 1 posts since

Nov 14, 2008 2. **Re: HP BL495c G5 blade with ESX 3.5 U2 - Memory and NIC Issues - Memory Resolved** Nov 14, 2008 8:16 AM

VMware ESX Server 3.5 Update 3 supports the HP BL495.

HP BL495c support - This release adds support for the HP Blade Server BL495c with all Virtual Connect and IO Options allowing 1 or 10Gb connection to the network (upstream) and 1Gb connections only to the servers (downstream).

http://www.vmware.com/support/vi3/doc/vi3_esx35u3_rel_notes.html



[ncarde](#) 87 posts since

Mar 10, 2007 3. **Re: HP BL495c G5 blade with ESX 3.5 U2 - Memory and NIC Issues - Memory Resolved** Dec 9, 2008 1:23 PM

I heard that the 490/495 removed Hardware RAID capability for local disk (in order to make room in a 1/2 height blade for more memory (dimms) capability).

Non-issue if you run 3i with custom monitoring and no guest Backup presence I guess but seems pretty silly to put RAID overhead on Software, no?



[alfung](#) 9 posts since

Jan 17, 2008 4. **Re: HP BL495c G5 blade with ESX 3.5 U2 - Memory and NIC Issues - Memory Resolved** Jan 15, 2009 8:07 PM

✚ in response to: [ncarde](#) Not sure why they removed the RAID, but if you use it for ESX it shouldn't be a problem if you have your cluster built correctly. If one of the blades SSD fails, the others in the cluster should be able to pick up the slack.



[ocean27](#) 2 posts since

Jul 10, 2007 5. **Re: HP BL495c G5 blade with ESX 3.5 U2 - Memory and NIC Issues - Memory Resolved** Jan 29, 2009 9:20 AM

hi i installed vmware esx 3.5 up2 on hp bl495c g5 , how can i configure Mezzanine nics .

I am unable to connect to service console .Any help will be appreciated



[ocean27](#) 2 posts since

Jul 10, 2007 6. **Re: HP BL495c G5 blade with ESX 3.5 U2** - Jan 29, 2009 9:36 AM

anybody installed esx 3.5 update 2 on BL495c g5 without any network issues please let me know .


i have issues with nics on the server , even my network guys tell me that port is open i cannot ping to any server or even the gateway .

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alkfung 9 posts since

Jan 17, 2008 7. **Re: HP BL495c G5 blade with ESX 3.5 U2** - Jan 30, 2009 1:03 PM

 in response to: [ocean27](#)

You're going to have to be more specific with the Mezzanine cards. You may have to install using the U3 or at least upgrade it to U3, see here: <http://vmware.com/download/vi/>