

## Re: SBS on Virtual PC?

**Source:**

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2004-10/6157.html>

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**From:** Attila ([\\$acsokai\\$\\_at\\_nosmap.andrew.cmu.edu](mailto:$acsokai$_at_nosmap.andrew.cmu.edu))

**Date:** 10/23/04

Date: Sat, 23 Oct 2004 09:09:30 -0400

Thanks for all your help David. It did answer all my questions and see your point.

Did not even think of the Exchange recovery testing. Something I have avoided testing on my real environment yet.

Attila

"David Copeland [MSFT]" <davidcop@online.microsoft.com> wrote in message news:e1s4CGMuEHA.2680@TK2MSFTNGP15.phx.gbl...

> *Just realized I forgot.. in case you've not seen it..*

>

> *Microsoft Virtual PC 2004 Service Pack 1*

> <http://www.microsoft.com/windows/virtualpc/downloads/sp1.msp>

>

> *Other related links*

>

> *Microsoft Virtual PC 2004*

> <http://www.microsoft.com/windows/virtualpc/default.msp>

>

> *Microsoft Virtual PC 2004 Free 45-Day Trial Edition*

>

> <http://www.microsoft.com/downloads/details.aspx?FamilyID=360cafd6-5098-4c64-9ca7-a30f225859f6&DisplayL>

>

> *Microsoft Virtual Server 2005*

> <http://www.microsoft.com/windowsserversystem/virtualserver/default.msp>

>

> *Virtual Server 2005 Evaluation Kit*

> <http://www.microsoft.com/windowsserversystem/virtualserver/evaluation/trial/default.msp>

>

>

> --

>

> *Hope that helps,*

> *David Copeland*

> *Microsoft Small Business Server Support*

>

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microsoft.public.windows.server.sbs: Re: SBS on Virtual PC?

>  
>  
> *SBS Newsgroups:*  
>  
> *SBS v4.x: microsoft.public.backoffice.smallbiz*  
> *SBS 2000: microsoft.public.backoffice.smallbiz2000*  
> *SBS 2003: microsoft.public.windows.server.sbs*  
>  
> *"David Copeland [MSFT]" <davidcop@online.microsoft.com> wrote in message*  
> *news:uWa#v6LuEHA.2948@TK2MSFTNGP15.phx.gbl...*  
>> *True, and depending on how fast of a machine/drives and ram and/or*  
>> *number*  
>> *of machines you have licensed for Virtual PC/Virtual Server and the guest*  
>> *OS'es you have the ability to create all kinds of environments.*  
>>  
>> *Something to keep in mind Virtual Server is the one that SBS would really*  
> *be*  
>> *supported in.. even though it may run fine in VPC. (see below)*  
>>  
>> *Atilla, you mentioned that seems like it might be easier with just*  
> *having*  
>> *another machine.. sometimes that may be true.. but depending on what*  
> *you're*  
>> *testing/doing.. it sure comes in handy sometimes to be able to simply*  
>> *turn*  
>> *off the virtual machine and selecting the option to discard the changes..*  
>> *and then simply boot the virtual machine back up for the occassional*  
>> *oops!*  
>> *:) as opposed to manually undoing/re-installing/restoring..*  
>>  
>> *You will have to keep in mind that if you do configure a client virtual*  
>> *machine and an SBS server with ISA behind another ISA server that you may*  
>> *need to do additional configurations on the virtualized SBS to do*  
>> *upstream*  
>> *routing through the other ISA server or at least be aware that if*  
> *something*  
>> *isn't working from the virtual pc client that it could be the other ISA*  
>> *server blocking it. (or depending on your networking config you could*  
>> *have*  
>> *it connected directly to the external world).. Be sure that you keep any*  
>> *virtual machines up to date with service packs, security updates, and*  
>> *anti-virus updates, etc. as if it were another real machine too.*  
>>  
>>  
>> *Also, with a real machine can you write a script to configure it.. ;)*  
>>  
>> *Script Repository: Virtual Server*  
>> *Sample scripts for managing Microsoft Virtual Server.*  
>>  
>>  
>> <http://www.microsoft.com/technet/scriptcenter/scripts/vs/default.aspx>

>>  
>> *TechNet Webcast: Virtual Server 2005 COM API: Automating Your Virtual*  
>> *World-Level 300*  
>>  
> <http://msevents.microsoft.com/cui/WebCastEventDetails.aspx?EventID=1032259266&Culture=en-US>  
>>  
>>  
>> *Couple of other tips with virtual machines..*  
>> *1) Lot cheaper way to learn about things like software mirroring, stripe*  
> *sets*  
>> *etc.. than having to buy enough actual hardware to do it.*  
>> *2) Good way to learn/test things like Exchange disaster recoveries*  
>> *3) Can use virtual floppies for things like a PXE boot floppy for RIS*  
>> *4) If you are installing SBS into a virtual machine on Virtual Server..*  
>> *be*  
>> *sure to turn off VS's DHCP server so that it doesn't conflict with SBS*  
>> *trying to install/configure DHCP.*  
>> *5) Keep in mind that VPC only support up to a 2g ISO image*  
>>  
>>  
> <http://www.microsoft.com/windowsserversystem/virtualserver/evaluation/virtualizationfaq.msp>  
>>  
>> *Q. Does Virtual Server 2005 support non-Microsoft operating systems*  
> *as*  
>> *guests?*  
>>  
>> *A. Although Virtual Server 2005 can run virtually all major*  
> *x86-based*  
>> *server operating environments, Microsoft Product Support Services*  
>> *supports*  
>> *only the following guest operating systems using Virtual Server 2005:*  
>>  
>> *. Windows Server 2003, Standard Edition*  
>>  
>> *. Windows Server 2003, Enterprise Edition*  
>>  
>> *. Windows Server 2003, Web Edition*  
>>  
>> *. Windows Small Business Server 2003, Standard Edition*  
>>  
>> *. Windows Small Business Server 2003, Premium Edition*  
>>  
>> *. Windows 2000 Server*  
>>  
>> *. Windows 2000 Advanced Server*  
>>  
>> *. Windows NT Server 4.0 with Service Pack 6a*  
>>  
>>  
>>  
>> *Q. Are virtual machine created with Virtual PC compatible with*

> *Virtual*  
>> *Server and vice versa?*  
>>  
>> *A. Yes, virtual machines with either product are compatible, but*  
> *when*  
>> *using Virtual Server and Virtual PC together, there are several points to*  
>> *consider:*  
>>  
>> *. Sound cards: Virtual Server does not include an emulated*  
> *sound*  
>> *card in its virtual machines, while Virtual PC does. If you will be using*  
> *a*  
>> *virtual machine on both Virtual Server and Virtual PC, you should disable*  
>> *the emulated sound card in Virtual PC. This will prevent the sound card's*  
>> *Plug and Play capability from causing errors on the virtual machine that*  
> *you*  
>> *created with Virtual Server.*  
>>  
>> *. SCSI support: Virtual Server provides SCSI support while*  
>> *Virtual PC does not. If you create a virtual machine with virtual SCSI*  
> *disks*  
>> *on Virtual Server, the SCSI disks will be ignored if you move the virtual*  
>> *machine to Virtual PC. This can lead to negative consequences in many*  
>> *situations, for example if the virtual machine page file is on the SCSI*  
> *disk*  
>> *or if you are trying to use a SCSI disk as the startup disk. If you plan*  
> *to*  
>> *regularly move virtual hard disks between machines created with Virtual*  
>> *PC*  
>> *and Virtual Server, we recommend that you attach the virtual hard disks*  
> *only*  
>> *to a virtual IDE bus in Virtual Server.*  
>>  
>> *. Saved States: Saved-state (.vsv) files between Virtual PC*  
> *and*  
>> *Virtual Server are incompatible. When moving a virtual machine between*  
>> *products, be sure to completely shutdown the guest operating system.*  
>>  
>> *. CD-ROM drives: Although Virtual Server allows for virtual*  
>> *machines with multiple CD-ROM drives, Virtual PC supports virtual*  
>> *machines*  
>> *with only one CD-ROM drive. If you are moving virtual machines between*  
>> *the*  
>> *two products, you should configure only a single CD-ROM drive on the*  
> *virtual*  
>> *machine and attach it to secondary channel 0, which is the default*  
> *setting.*  
>>  
>>  
>>  
>> --

>>  
>> *Hope that helps,*  
>> *David Copeland*  
>> *Microsoft Small Business Server Support*  
>>  
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> *rights.*  
>>  
>>  
>> *SBS Newsgroups:*  
>>  
>> *SBS v4.x: microsoft.public.backoffice.smallbiz*  
>> *SBS 2000: microsoft.public.backoffice.smallbiz2000*  
>> *SBS 2003: microsoft.public.windows.server.sbs*  
>>  
>> *"SuperGumby [SBS MVP]" <not@your.nellie> wrote in message*  
>> *news:e5PJYrIuEHA.2804@TK2MSFTNGP14.phx.gbl...*  
>> > *the possibilities are numerous if not infinite.*  
>> >  
>> > *In my scenario you would also create a VPC client machine for your*  
> *tests.*  
>> > *The VPC client would have a single NIC 'local only' to talk to the SBS*  
>> *VPC.*  
>> >  
>> > *"Attila" <\$acsokai\$@nosmap.andrew.cmu.edu> wrote in message*  
>> > *news:OzBvZlIuEHA.3088@tk2msftngp13.phx.gbl...*  
>> > > *Thanks that is kind of tip I am looking for. What confuses me though*  
> *is*  
>> > > *that if I install it on a worksation that is really connected to my*  
>> > > *production SBS, then how do replicate the configuration of the ISA on*  
>> *the*  
>> > > *virtual PC running SBS? I am just trying to visualize it. The way I*  
> *see*  
>> *it*  
>> > > *is that the real NIC would be the "outside NIC" on the Virtual PC SBS*  
>> *and*  
>> > > *the the second NIC could be its Inside one. So then I could hookup a*  
>> > > *switch to the second VPN NIC? and another worksation to that to*  
>> *replicate*  
>> > > *a real enviornment.*  
>> > >  
>> > > *Isn't just easier to buy a cheap Dell PowerEdge SC if the money can*  
>> > > *be*  
>> > > *made available?*  
>> > > *Thanks,*  
>> > >  
>> > > *Attila*  
>> > >  
>> > >  
>> > > *"SuperGumby [SBS MVP]" <not@your.nellie> wrote in message*  
>> > > *news:O%23f15WlIuEHA.3448@TK2MSFTNGP09.phx.gbl...*

>> >> Yes, give the VPC 2 nics. One is 'local only' the other goes to the  
>> real  
>> >> NIC.  
>> >>  
>> >> I actually suggest installing SBS with just the 'local only'  
> interface  
>> >> live. Complete the SBS Standard install including major to-do list  
>> items  
>> >> then shut her down and add the 2nd interface to VPC.  
>> >>  
>> >> "Attila" <\$acsokai\$@nosmap.andrew.cmu.edu> wrote in message  
>> >> news:%23LOc3RIuEHA.2196@TK2MSFTNGP14.phx.gbl...  
>> >>> In a reply to an eariler question on testing SBS settings, Andrew  
>> >>> recommended to perhaps try MS Virtual PC. So I just installed the  
>> trial  
>> >>> version on one of my worksations. My question is, does anybody have  
>> any  
>> >>> experience in using this with SBS 2003 or 2000? Especially in  
> regards  
>> to  
>> >>> using the ISA component, since it needs two NICS, and the  
> workstation  
>> >>> does not. So can realistically test ISA using Virtual PC?  
>> >>> Since I have the eval version, I will give this a try, but I am  
>> >>> just  
>> >>> looking for some feedback /experience.  
>> >>>  
>> >>> Thanks,  
>> >>>  
>> >>> Attila  
>> >>>  
>> >>  
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>> >  
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>> >  
>>  
>>  
>  
>