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## How to make your system mobile with Paragon Drive Copy 10 and VMware Player

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## Introduction

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This document is intended to show you how to transfer your system alongside with all data and programs to your pocket hard drive with help of Paragon Drive Copy 10. Your system will be converted to a virtual machine, which is an exact clone of your software environment.

With this virtual machine you will be no longer restricted of your physical computer boundaries. You'll become able to do your work, listen music and play video on any computer you reach. All your files and program will be with you anywhere.

Let's see how to transfer all stuff to the removable media.

## **Creating a Virtual Disk File**

First of all you have to create an exact clone of your software environment with the operating system, programs and files. But before attach the removable media (a hard disk drive or a flash disk) where you want to save virtual disk file to.

### Step 1

#### Run Paragon Drive Copy 10 Personal



And select Migrate from a Physical to a Virtual

[111111]	Welcome to P2V Copy Wizard
	virtual disk.

The Wizard's welcome screen opens. Click Next.

P2V Copy Wizard	
What partition or hard Please select an object on it.	disk should be transferred to a virtual drive? t of the operation, either a separate partition or an entire hard disk, by clickin
Selected object : Basic	lard Disk 0 (ST380815AS)
Basic Hard Disk 0	(ST380815AS)
Local	Disk (C:)
74.4 GB NT	FS
Basic Hard Disk 1	(ST316002 3A USB Device)
🚺 🥑 Data (E:)	
149 GB NTFS	
Capacity of Basic Hard	Desk 0 (ST380815AS) is 74.5 GB.
To continue click Next	

On the next window select your physical hard disk drive, which contains partitions with OS and data. It's usually the first on the list like on the screenshot. Click **Next**.

Cat amounties of	[ the sisteral	diak			
Please set the	desired virtual	ization softw	vare vendor and a nur	ber of additional parameters.	
Select your virt	ualization s	oftware:			
VMware Work	station / VMv	vare Fusion			
76,320 MB	0 IDE		Create a split disk	Pre-allocate all disk space	5
<ul> <li>Microsoft Virtu</li> </ul>	al PC				
Sun Vitual Bo	0C				

Here you need to specify the virtual disk type (DC10 supports several virtual disk formats).

Select VMware Workstation. Usually you don't need to change any additional settings here, so click Next.

the second se	
Where to save the virtual disk? Select a place to save the resulted virtual disk.	
File name for the virtual disk:	
E:\MySystem.vmdk	Browse
Enter a file name here Please provide a path to VM Tools/Additions ISO image (e.g. 1	Browse
Enter a file name here Please provide a path to VM Tools/Additions ISO image (e.g. 1 use when a vitual device driver is required. If you transfer Win it should be done answay	Browse windows.iso' for VMware Tools) t dows XP to a VMware SCSI disk

On the next window specify a friendly name of the virtual disk file. And click Next.

P2V Copy Wizard	8
Preview and set properties of the virtual disk Please set size for the virtual disk and a number of additional parameters.	
Please preview the resulting layout of the virtual disk before you proceed :	
Basic Hard Disk 2 (VMware virtual image) - Virtual Image	
🛛 🕑 Local Disk (*)	
74.4 GB NTFS	
Available options Current size is 76,320 MB	950 GB

Here you can preview the resulting virtual disk contents and resize partitions if you need.

Do not uncheck the Adjust OS to virtual hardware box, it's important because there are many differences between your actual physical hardware and virtual on. If this checkbox is deactivated, you may face problems with you virtualized system in the future (it may simply become unbootable).

So, if you agree with proposed parameters of the virtual disk click **Next**.

P2v Copy wizard	
Operation Progress The wizard is performing the required operations.	
Copying partition/disk	
Time elapsed: 00:00:51	
Time remaining: 00:00:00	
Operations details:  Copying partition	
VSS technology is started.     Getting clusters bitmap	
Quick data moving	
Copying paradra and	

The operation will be performed. It may be a time consuming task, depending on the amount of your actual data on the physical drive.

P2V Copy Wizard	100		
Report Page The wizard has completed the op	eration.		
Operations details:			
74.5 GB disk 0 has been successful is 74.5 GB in size and is placed to E	ly transferred to a VMware Wo :\MySystem.vmdk.	rkstation / VMware Fusion vi	itual disk
The following OSes have been succ	cessfully adjusted to the require	ed virtual hardware:	
<ul> <li>Microsoft Windows 7x64 or</li> </ul>	n primary partition 1		
Save report			

After operation completion you'll see its details. You can save a report if you need. Now you have a virtual disk with your system and the first part of the migration is over.

### **Configuring the Virtual Machine**

Now you have the virtual disk, but don't have a virtual machine to run it. You have to make one and we can suggest using free virtualization software, named VMware Player, for this purpose.

You can download VMware Player from the VMware website.

#### Step 9

Install VMware Player and launch.



Click Create a New Virtual Machine

	izard		
Welcome to the Ne A virtual machine system. How will	ew Virtual Machine Wit is like a physical compute you install the guest ope	rard r; it needs an op rating system?	erating
Install from:			
O Installer disc:			
DVD RW Drive	(D:) GRMCENKVOL_EN_D	VD +	
Installer disc image	file (iso):		Brow
I will install the ope	rating system later.		
C			

The wizard will emerge. On the first page you will be prompted to select of the OS installation method. Select the last option as it shown on the screenshot as you already have the prepared virtual disk. Click **Next**.

New Virtual Machine Wi	fizard
Select a Guest Ope Which operating	erating System system will be installed on this virtual machine?
Guest operating system	
Microsoft Windows	
C Linux	
Sun Solaris	
Other	
Version	
Windows 7 x64	

Choose the needed operating system type accordingly to your actual one. In this example we have Windows 7 64-bit edition. Click **Next**.

	ra	
Name the Virtual Mac What name would y	chine you like to use for this virtual machine?	
Virtual machine name:		_
MySystem		
Location:		
E: WySystem		Browse

On the next window you need to specify the friendly name of your virtual machine and the place where it will be stored. We suggest you to give the virtual machine the same name as the virtual disk has.

As you intend to use your virtual machine from the removable media, you'd better to save it on this drive.

in wai machi	le Location	
Þ 🥽 Libr	aries	
D B Johr	1	
4 🛤 Con	nputer	
> 🚑 Fi	oppy Disk Drive (A:)	
Þ 💒 Lo	cal Disk (C:)	
> 🛃 D	D RW Drive (D:) GRMC	ENXVOL_EN_DVI
Ca Da	sta (E:)	
> 🗣 Net	work	
D Inbi	.FullShot.Enterprise.v9.	5.1.3.Incl.KeyMa
4		

When you enter the correct name and path click Next.



Unfortunately VMware Player doesn't permit to change a virtual disk used in the virtual machine during its initial configuration. Skip this step and agree with the default settings. We will change the virtual disk file used in the virtual machine later. Click **Next**.

The virtual machine will be created with the following settings:         Name:       MySystem         Location:       E:\MySystem         Version:       Workstation 6.5-7.0         Operating Syst       Windows 7 x64         Hard Disk:       40 GB         Memory:       512 MB	The virtual machine will be created with the following settings:          Name:       MySystem         Location:       E:\MySystem         Version:       Workstation 6.5-7.0         Operating Syst       Windows 7 x64         Hard Disk:       40 GB         Memory:       512 MB         ✓       III	R	cady to Create Click Finish to o x64.	Virtual Machine reate the virtual machine. Then you can install Win	dows
Name:     MySystem       Location:     E:\MySystem       Version:     Workstation 6.5-7.0       Operating Syst     Windows 7 x64       Hard Disk:     40 GB       Memory:     512 MB	Name:     MySystem       Location:     E:\MySystem       Version:     Workstation 6.5-7.0       Operating Syst     Windows 7 x64       Hard Disk:     40 GB       Memory:     512 MB        III	Th	e virtual machine v	ill be created with the following settings:	
Location: E:\MySystem Version: Workstation 6.5-7.0 Operating Syst Windows 7 x64 Hard Disk: 40 GB Memory: 512 MB	Location: E:\MySystem Version: Workstation 6.5-7.0 Operating Syst Windows 7 x64 Hard Disk: 40 GB Memory: 512 MB ∢	1	lame:	MySystem	
Version: Workstation 6.5-7.0 Operating Syst Windows 7 x64 Hard Disk: 40 GB Memory: 512 MB	Version: Workstation 6.5-7.0 Operating Syst Windows 7 x64 Hard Disk: 40 GB Memory: 512 MB Customize Hardware	L	ocation:	E:\MySystem	
Operating Syst Windows 7 x64 Hard Disk: 40 GB Memory: 512 MB	Operating Syst Windows 7 x64 Hard Disk: 40 GB Memory: 512 MB ∢	1	/ersion:	Workstation 6.5-7.0	
Hard Disk: 40 GB Memory: 512 MB	Hard Disk: 40 GB Memory: 512 MB	(	Operating Syst	Windows 7 x64	
Memory: 512 MB	Memory: 512 MB		Hard Disk:	40 GB	
	Customize Hardware	1	Aemory:	512 MB	
	Customize Hardware	4		iii.	1

Watch all Virtual Machine settings and finish the wizard.

B VMware Player File + VM + Help +	_ ×
Home MySystem	
	MySystem
	State: Powered Off OS: Windows 7 x64 Version: Workstation 6.5-7.0 virtual machine RAM: 512 MB
	<ul> <li>Play virtual machine</li> <li>Edit virtual machine settings</li> </ul>
	(f) <b>vm</b> ware

Now you have the virtual machine. But you need to change the default empty virtual disk file used in the virtual machine to the previously created one with all your data. **Click Edit virtual machine settings**.

Virtual Machine Setting	s	
Hardware Options		
Device	Summary	Disk file
Memory Processors	512 MB	MySystem.vmdk
Hard Disk (SCS1) CD/DVD (IDE) Floppy Network Adapter USB Controller Sound Card Display	40 GB Auto detect Auto detect NAT Present Auto detect Auto detect Auto detect	Capacity Current size: 5.1 MB System free: 139.1 GB Maximum size: 40 GB Disk information Disk space is not preallocated for this hard disk. Hard disk contents are stored in a single file. Utilities  Advan

In the VM settings page select Hard Disk and click Remove. Then click Add...



In the opened window select the Hard Disk item and click Next.



Choose Use an existing virtual disk and click Next.

Add Hardware wizard		
Select an Existing Disk Which previously conf	igured disk would you li	ke to use?
Disk file		
This virtual disk file will store	the configuration detail	s of the physical disk
E: WySystem.vmdk		Br

Select the virtual disk file previously created by Paragon Drive Copy 10. And finish the wizard.



You may be prompted with virtual disk format conversion proposal. Agree with it.

Hardware Options		
Device Memory Processors New Hard Disk CD/DVD (IDE) Floppy Network Adapter USB Controller Sound Card Display	Summary 512 MB 1 74.5 GB Auto detect Auto detect NAT Present Auto detect Auto detect Auto detect	Disk file E: WySystem.vmdk Capacity Current size: 9.9 GB System free: 139.1 GB Maximum size: 74.5 GB Disk information Disk space is not preallocated for this hard disk. Hard disk contents are stored in a single file. Utilities  Advan
	Add Remove	Utlites 🔻

Now you have attached the needed virtual disk to the virtual machine. Close the properties window.



Now you can launch your virtualized system clone.

## Conclusion and an additional advice

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To run your virtual system you need the VMware Player present in the hosting system. We recommend you to copy VMware Player installation package to the removable media alongside with the virtual machine and disk. Thus, you'll be able to install VMware Player anywhere where you have such possibility.

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Organize 👻 🛛 Inclu	de in	library      Share with      Burn	New folder	8	= • 🔟	8
Downloads	*	Name	Date modified	Туре	Size	
📃 Recent Places		MySystem	4/8/2010 3:47 PM	File folder		
		A MySystem	4/8/2010 3:44 PM	VMware virtual dis	10,376,512	
Documents Music Pictures	11	i VMware-player-3.0.1-227600	4/7/2010 9:48 PM	Application	92,123 KB	
🖳 Computer	-					
I Network	-					
3 items						