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Deva: DSM installation guide

The Deva System Manager runs under Linux 18.04 LTS operating system. It can be installed on a dedicated computer or on a virtual machine. Before we describe the DSM installation, we show you how to install the Virtual Box and how to create a Linux machine.

We use a Windows Virtual Box version, but the procedure is the same for Apple iOS.

VIRTUAL BOX INSTALLATION

First, download the last Virtual Box version by clicking on the "Windows hosts" link on the web page <u>https://www.virtualbox.org/wiki/Downloads</u>.

Download also the "VirtualBox x.y.zz Oracle VM VirtualBox Extension Pack" by clicking on the link "All supported platforms" on the same page:



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Run the "VitualBox-x.y.zz-nnnnnn.Exe" file, normally it is in the Download folder, and install the Virtual Box with the default settings.

Install also the "Oracle_VM_VirtualBox_Extension_Pack-x.y.zz.vbox-extpack".

After the installation, launch the Virtual Box and click on the "New" icon.

Type a Name and select the following options and then press the "Next" button:

Tools	New Settings Discard Start	
	?	× Preview
Create Virtual	Machine	
Name and o	perating system	PDD1804_2020
Please choose a type of operatir VirtualBox to ide	descriptive name and destination folder for the new virtual machine and selec g system you intend to install on it. The name you choose will be used through ntify this machine.	t the hout
Name:	PDD 1804_2020	
Machine Folder:	C:\Users\giampiero\VirtualBox VMs	~
Type:	Linux	97
Version:	Ubuntu (64-bit)	(58, 16 MB)
	Expert Mode Next Car	ncel zk PCIe G&E Family Controller) (R) Wireless AC 9462)
	🖉 USB	
	USB Controller: OHCI, EHCI Device Filters: 0 (0 active)	
	Shared folders	
	Shared Folders: 1	
	Description	
	Description	

Set the RAM dimension, possibly greater than 2GB:



Click on the "Next" button. On the next window click on the the "Create" button.

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		?	×
Create Virtual Machine			
Hard disk			
If you wish you can add a virtual hard disk to the new ma new hard disk file or select one from the list or from anoth icon.	achine. You c her location u	an either o using the fo	eate a Ider
If you need a more complex storage set-up you can skip changes to the machine settings once the machine is created as the settings once the machine is created as the settings once the settings of the setting of the	this step and ated.	d make the	
The recommended size of the hard disk is 10,00 GB .			
O Do not add a virtual hard disk			
<u>C</u> reate a virtual hard disk now			
O Use an existing virtual hard disk file			
PDD1804_2020.vdi (Normal, 20,54 GB)			
	Create	T Car	rcel
	Greate	-	i cer

Confirm the default settings by pressing the "Next" button on the two next windows:

?	×	? ×						
Create Virtual Hard Disk	~	Create Virtual Hard Disk						
Hard disk file type		Storage on physical hard disk						
Please choose the type of file that you would like to use for the new virtua hard disk. If you do not need to use it with other virtualization software yo can leave this setting unchanged.	l u	Please choose whether the new virtual hard disk file should grow as it is used (dynamically allocated) or if it should be created at its maximum size (fixed size).						
VDI (VirtualBox Disk Image)		A dynamically allocated hard disk file will only use space on your physical						
VHD (Virtual Hard Disk)		hard disk as it fills up (up to a maximum fixed size), although it will not shrink						
O VMDK (Virtual Machine Disk)		A fixed size hard disk file may take longer to create on some systems but is often faster to use.						
		Dynamically allocated						
		O Eixed size						
		-						
Expert Mode Next Cance	el l	Next Cancel						

Select the dimension possibly greater than 20 GB. It depends on how many audio files you are going to upload for the playlist.

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Create Virtual Hard Disk			
File location and size			
Please type the name of the new virti on the folder icon to select a different	ual hard <mark>d</mark> isk file int t folder to create th	o the box bel ne file in.	ow or c
C:\Users\giampiero\VirtualBox VMs\PE	DD 1804_2020_\PDE	1804_2020_	,vdi
Select the size of the virtual hard disk amount of file data that a virtual mad	in megabytes. This hine will be able to :	s size is the lin store on the h	nit on ti hard dis 2þ,00
4,00 MB	2,00	ТВ	

Click on the "Create" button and it's done. You will see the new Linux virtual machine in the list on the left.





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Before to continue with the Linux installation, it is necessary to set the network interface. To do this, click on the "Settings" icon and select the "Network" item in the menu on the left. Select the Tab "Adapter 1".



Check the "Enable network adapter" check box, select the option "Bridged Adapter" in the "Connect to" combo box and select the PC network -interface in the "Name" combo box. If you want you can also add another network Adapter clicking on the Tab "Adapter 2", for example if you are using a laptop and you want to use the WLAN in Linux.

We assume you already have an iso image of Linux 18.04 LTS. In any case, you can download it from this link:

https://releases.ubuntu.com/18.04/ubuntu-18.04.5-desktop-amd64.iso

Now we must set the iso file path in the "Storage" window. To do this, select the "Storage" item in the menu on the left of the "Settings" window.

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Tools	3 8					
	PDD1804_2020 - Se	ttings		?	×	
DD1804_20	General	Storage				
	System	Storage Devices	Attributes			
	Display	Controller: IDF	Optical Drive:	IDE Secondary Master	• 0	
	Storage	Castallas Cata	Information	Live CD/DVD		Choose/Create a Virtual Optical Disk
	Audio	PDD1804_2020.vdi	Type: Size:	-		Win98_bootdisk.iso
	Network		Location:	-	C	Remove Disk from Virtual Drive
	Serial Ports		Attached to:			
	VSB USB					
	Shared Folders					
	User Interface					
	-					
						and the second se
		🕹 🖄 🔯				
				OK Car	ncel	

Click on the Empty disk and then on the disk on the right. Select "Chose a disk file" item in the popup menu, browse your disk and select the ISO file. Click on the "OK" button.

Now you can finally click on the "Start" icon to boot strap the virtual machine and start the Linux installation.

Oracle VM VirtualBox Manager File Machine Help		- 0	×
Tools	New Settings Discard Start		
PDD1804_2020 E	General Name: PDD 1804_2020 Operating System: Xandros (64-bit)	Preview	
	System Base Memory: 2048 MB Roof Coder: Eleven Coderal Hard Data	PDD1804 2020	

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LINUX INSTALLATION

The Linux installation is very simple. After the Virtual Box boot, the instal procedure will start automatically. You have just to confirm the installation and keyboard language, the time-zone, the PC name, the user name and the password. The other settings are not important so you can make your choice as you prefer. At the end there will be a reboot.

Once you are logged in, you must configure an internet access. In this way you can access the Deva web site and install the Deva System Manager. The virtual machine will have the same connectivity of the hosting PC.

DSM INSTALLATION

When the internet will be available, open the browser and insert the URL: https://deva.powersoft.it/software-installation/



There you will find the installation procedure. Basically, you have to open a Linux terminal, copy the following string and press Enter:

wget http://packages.powersoft.it/Devabiz_Install.run; chmod +x
Devabiz_Install.run; sudo ./Devabiz_Install.run

DRIVING HUMAN AUDIO EXPERIENCE —



You must insert the password and you have to answer "yes" on all the questions. After the reboot you will have a DSM installed.

At this point it is possible to install the Virtual Box Extension Pack. Click on "Devices" menu and on the "Insert Guest Addictions CD image" menu item, as shown in the picture below:



Execute the autorun and insert the password when requested. At the end of the process reboot Linux. After the installation you will be able to resize the Linux desktop.

It's strongly recommended to install the TeamViewer, for desktop remote control in case of need of support, and the VLC to watch the Deva video stream.

Below the kinks:

https://www.teamviewer.com/en/teamviewer-automatic-download/ https://www.videolan.org/vlc/

RUNNING THE DSM WEB INTERFACE

Double click on the Deva icon in the left menu and the browser will start connecting on the DSM server. Don't forget to configure the PDD and Deva IP address on the same subnet. Insert the default credentials:

User: admin Password: admin

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Finally, you will see the connected Deva:

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