CamTrace

videosurveillance

CamTrace installation on virtual machine

Document version : v1.3

Creation date of the document : 22/04/2021 Last modification date of the document : 30/01/2023

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1 Preface

This document describes the process for installing a CamTrace Server on a virtual machine. The purpose of this document is to describe the process of installing a CamTrace Server on a virtual machine. The purpose of a virtual machine is to install a CamTrace Server on a machine running another operating system (e.g. Windows). A virtual machine also offers the possibility of taking snapshots, which allow you to easily return to a previous state of the machine.

We will use VirtualBox software as an example, but you can use other virtual machine software.

2 Setting up VirtualBox

2.1 VM creation

Launch VirtualBox and create a new virtual machine :



A "Create a virtual machine" pop-up appears:

	Crée un	e machine virtuelle	8			
5~~	Nom et système of Veuillez choisir un nom sélectionner le type de nom que vous choisirez machine.	d'exploitation et un dossier pour la nouvelle machine virtuelle et système d'exploitation que vous envisagez d'y installer. sera repris au travers de VirtualBox pour identifier cett	Le e			
2	Nom :	CamTrace_VM1				
~	Dossier de la machine :	: 📄 /home/camtrace-vm/VirtualBox VMs				
	<u>T</u> ype :	Other 🔹				
	Version :	Other/Unknown (64-bit)				
		Mode <u>expert</u> < <u>Précédent</u> <u>Suivant</u> > Annu	ler			

Give a name to your virtual machine. For the OS type/version, chose 'Other/Unknown (64-bit)' (because Camtrace is a custom OS based on Xubuntu 2022). Then click Next.

Allocate an amount of memory (RAM). Y	ou will need atleast 4Gb or more. In the
example below, we allocated 40000 Mb ((= 40 Gb).

	Crée une mac	hine virtuelle	8
~~~~	Taille de la mémoire Choisissez la quantité de mén virtuelle. La quantité recommandée est	noire vive en méga-octets alloués à la t de <b>64</b> Mo.	machine
	4 MB	64512 MB	
		< <u>P</u> récédent <u>S</u> uivan	t > Annuler

Then click Next.

A "Hard Disk" screen is displayed. Create a virtual hard disk. A "Hard disk file type" window appears, choose "VDI":

Créer un disque dur virtuel 🛛 🛞
Creer un disque dur virtuel
O VMDK (Virtual Machine Disk)
Mode expert< Précédent

It is recommended to use a **fixed** disk space (and not dynamic disk space) :

Créer un disque du	ır virtuel		8
Emplacement du fichier et tai	lle		
Veuillez saisir un nom pour le nouveau fio cliquez sur l'icône dossier pour choisir un	chier de disque dur virtuel da autre dossier dans lequel le	ns la boîte si de créer.	essous ou
/home/camtrace-vm/VirtualBox VMs/Car	mTrace 2/CamTrace_VM1/Car	nTrace_VM1.vo	li 🗖 🗖
Choisissez la taille du disque dur virtuel e de données de fichiers qu'une machine v	en mégaoctets. Cette taille es irtuelle sera capable de stock	st la limite de la ser sur le disque	quantité e dur.
	$(t_1,\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,\ldots,t_{n-1},\ldots,\ldots,t_{n-$	1 I I I	1,00 Tio
4,00 MB		2,00 Tio	1
	< <u>P</u> récédent	Créer	Annuler

# 2.2 VM configuration

#### 2.2.1 ISO image selection

A pop-up appears for the selection of the boot disk:



Click on the folder icon (see [2] in the above screenshot): an "Optical Disk Selector" popup appears.

Then click on "Add" to bring up the virtual optical disk file selection window:

Choisiss	ez un fichier de disque optique virtuel	٩	Ouvrir
	Bureau     test_a_supprimer	•	
onnel	Nom	Taille	Modifié
	💿 camtrace-15.2.0-20210330.iso	2,5 Go	lun.

Select your ISO image and click on "Open".

Check that your ISO image is selected; then click on "Choose":

Optical	Disk Selector		<b>(</b>
Medium			
Ajouter Créer Actualiser			
Nom	▼ Taille virtuel	le Taille réelle	
<ul> <li>Attached</li> </ul>			
camtrace-15.2.0-20210330.iso	2,34 Gio	2,34 Gio	
VBoxGuestAdditions.iso <ul> <li>Not Attached</li> </ul>	58,32 MB	58,32 MB	
Search By Name 👻			<b>A A</b>
	Leave En	npty Annuler	Choisir

#### 2.2.2 Network settings

If you want your VM to benefit from the network connection of your host machine: before starting your VM, select your virtual machine and click on "Configuration". In the "Network" tab, choose a "Bridge Access":

	15.3-20210319_130 - Paramètres 🛛 😽 🏼 😣
📃 Général	Réseau
<ul> <li>Système</li> <li>Affichage</li> </ul>	Adapter 1     Adapter 2     Adapter 3     Adapter 4
Stockage	Mode d'accès réseau : Accès par pont
🖓 Son	<u>N</u> om : eno1
Ports séries	
Dossiers partagés	
Interface utilisateur	
	¥ <u>A</u> nnuler

## 2.3 Launch the VM

You can now start your VM :

	Oracle V	M VirtualBo	x - Gestion	naire de mac	hines			008
<u>F</u> ichier <u>Machine</u> Instantanés <u>A</u> ide								
Outils	Prendre	Europimer.	Pestaurer	Propriétés	Cloper		Oublier	
√ Ubuntu	Nom Ú Éta	at actuel	Restaurer	Proprietes	ctoner	configuration	Oublief	Pris
<b>ubuntu20</b> <b>()</b> Éteinte								
<b>Ubuntu_14.04.6</b> (Instantané 3) Éteinte								
ubuntu20_2 (Instantané 9) Ú Éteinte								
<b>Ubuntu_Redmine</b> () Éteinte								
CamTrace_VM1								

#### 2.3.1 CT-Server installation

You may proceed with the installation of your CamTrace Server:



Please refer to the "CamTrace Server Installation" manual and the "Getting Started Guide" manual for further installation.

**Important**: To "exit" your cursor from the VM, you can use the "CTRL" key on the right of your keyboard (the "CTRL" key on the left of your keyboard will not work).

#### 2.3.2 Snapshot

After the commissioning of your CamTrace Server (so after the system configuration, the cameras declaration...), it is advised to take a snapshot of your VM in order to save a healthy base of your installation. To take a snapshot, click on "Machine" then "Take a snapshot":



Enter a precise description of your snapshot, so you know what you are restoring (if you need to restore a snapshot later).

#### 2.3.3 VirtualBox window size

To enlarge the window size of the VM, click on "Screen" then choose "Fit to Window" from the VM menu:



Ajuster la taille et la position de la fenêtre pour contenir l'écran virtuel au mieu: 🗵 💿 連 🗗 🧭 🔲 🖶 🖏 🔇 💽 Ctrl droite

Then, from the CamTrace Operating System Menu, type "View" to open the View utility:



### Choose the right resolution for your equipment:

		15.2.0-202103	10_129 [En fonct	ion] - Oracle VM Vir	tualBox		
Fichier Mac	hine Écran	Entrée Périphér	iques Aide				
CamTrace Admin			Afficha	7.0		+ X	
	Affic Confi	<b>chage</b> gurer les paramètres e	et la disposition des é	crans			
CamTrac Client		1. VBX	1 Ré Ta Ro Ré	. VBX solution : ux de rafraîchissement : itation : flexion :	1600x1200 60,0 Hz Aucun Aucun	+	
	Configurer	les nouveaux écrans le	orsqu'ils sont connect	és Identifier les éc	crans 🖌 🖋 A	ppliquer 🛛	
Menu	💻 Affichage			0		<b>1↓</b> 2.	2 avril, 15:24 l droite

then click on "Apply" and "Close".

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