

CHARISMA Dashboard startup using VirtualBox



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1. Background

The CHARISMA dashboard has an intricate backend, involving many separate applications. To run the dashboard, a virtual environment must be created in which all necessary components are put together. This is done through the open-source/free software VirtualBox.

2. VirtualBox

The latest version of VirtualBox can be downloaded from <u>https://www.virtualbox.org/</u>. The latest version as per November 2023 is available on the provided external storage

3. Installation

Once the executable has been downloaded, double click to start the installation wizard, select "Run" (see below) and subsequently indicate that the app is allowed to make changes to the system.



The following interface will appear. Click on "Next".



Change the location where the Virtual Machine will be installed, or click on "Next" to opt for the default location.



Custom Cotun			
custom setup			
Select the way you want	features to be installed.		
Click on the icons in the tr	ee below to change the	way features will be	installed.
VirtualBox	Application	Oracle VM Virtual application.	Box 7.0.12
	UalBox Networking ✓ VirtualBox Bridger ✓ VirtualBox Host-C tualBox Python Suppo	This feature requ your hard drive, subfeatures sele- subfeatures requ	ires 210MB on It has 3 of 3 cted. The ire 976KB on yo
<	>		,
Location: C:\Program	Files\Oracle\VirtualBox\		Browse

A warning will appear, to which you should answer "Yes".



The wizard will indicate several dependencies (additional libraries) might need to be installed. Click on "Yes" to proceed the installation.



After this step, the VirtualBox is ready to begin installation. Click on "Install".



😸 Oracle VM VirtualBox 7.0.12 Setup	×
Ready to Install	
The Setup Wizard is ready to begin the Custom installation.	
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.	
Version 7.0.12 < Back Install Cancel	

The wizard will subsequently start installing and indicate the progress. When ready, click "Finish".



The VirtualBox Manager will open.

Oracle VM VirtualBox Manager			– a ×
File Machine Help			
Tools	# 1	Preference Darport Eurori New Add	
> Projects		Wekome to VirtualBoxt	
		The left part of application window contains global tools and lists all virtual machines and virtual machine groups on your computer. You can import, add and create new VMs using corresponding toolbar buttoms. You can	
		popup a loos of currently sectod element using corresponding element button.	
		Too tan press vie Falancy of yet reason, nep, or hav <u>ment of selectricals</u> for invest interactions.	



To activate the dashboard, select import from the 5 icons in the right-hand pane.



Subsequently the location of your dashboard image can be selected.



The dashboard image will be located on the external storage and will have the extension *.ova. By clicking on the folder icon on the right, the user can browse for the required file, select and click on "Next" in the subsequent pop-up.



In the following window a list of necessary appliances is indicated. Select "Finish".



Import virtual Appli	ance	ŕ	×	
	Appliance settings			
	These are the virtual machines of VirtualBox machines. You can ch disable others using the check be	ontained in the appliance and the suggested settings of the imp ange many of the properties shown by double-dicking on the ite oxes below.	orted ms and	
	Virtual System 1			
	😽 Name	Charisma 1	orted ms and	
	Guest OS Type	Debian 11 Bullseye (64-bit)		
	CPU	2		
	RAM	8192 MB		
	OVD			
	USB Controller			
	Network Adapter	Intel PRO/1000 MT Desktop (82540EM)		
	Machine Base Folder: C:\Us	ers\THEUNISR\VirtualBox VMs	```	
	MAC Address Policy: Include or	ly NAT network adapter MAC addresses	`	
	Additional Options: 🗹 Import	hard drives as VDI		
	Appliance is not signed			

In the main Oracle VM VirtualBox Manager interface, a progress bar will appear.



Once completed, the main window will indicate the imported project, with details.

😚 Oracle VM VirtualBox Manager		- 0 ×
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> Projects Charisma 1 Image: Charisma 1 Image: Charisma 1 Image: Imag	Operand 1 Operand 2 Operand 2 <t< th=""><th>Preview</th></t<>	Preview
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	Adapter 1: Jenet RC()2003 HT Dealing Host of y Adapter, "WhatBox Host Only Efferent Adapter")	
	Shared folders Nove @ Description	
	Ros	

To start the backend server that hosts the dashboard, click on the "Start" icon in the top right. Once ready, the green arrow icon will indicate "Show"





An interface will appear with a command line.



Retain the IP address with numbers. In the example above http://192.168.56.101.

To open the dashboard, open your preferred browser and enter this address. The dashboard will open. The manual related to the Charisma dashboard will give further assistance how to operate the dashboard.

To stop the underlying backend server, close the dashboard in your browser and in the VirtualBox interface, right click on the open project and select "Stop" and "Power off".



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Tools		
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Charisma 1		≣

4. Liability

To operate the dashboard, VITO suggests to use the free download available on <u>https://www.virtualbox.org/</u>. However, this website and software is not managed by VITO and the user downloads and installs Oracle VM VirtualBox at his/her own risk.

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