# Setting up the Virtual Environment for ColdFusion Summit

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#### **Pre-requisites**

- Hard disk at least 15 GB available.
- Memory 8 GB RAM, out of which at least 4 GB must be free.

### Downloading the Virtual Environment

Download the virtual image that is pre-installed with all the conference prerequisites from the location <u>https://cfdownload.adobe.com/pub/adobe/coldfusion/cfsummit2016/cfsummit2016-v3.ova</u>. The size is ~3.0 GB.

### Downloading VirtualBox

Navigate to <u>https://www.virtualbox.org/wiki/Downloads</u> and download the latest stable release of VirtualBox according to your Operating System. We recommend downloading version 5.1.6.

# **Download VirtualBox**

Here, you will find links to VirtualBox binaries and its source code.

# VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

- VirtualBox platform packages. The binaries are released under the terms of the GPL version 2.
  VirtualBox 5.1.6 for Windows hosts ⇒x86/amd64
  - VirtualBox 5.1.6 for OS X hosts ⇒ amd64
  - VirtualBox 5.1.6 for Linux hosts
  - VirtualBox 5.1.6 for Solaris hosts ⇒ amd64

## Installing VirtualBox in Windows OS

Browse to the location where you had downloaded the VirtualBox installer. Double-click to start the installation.

1. Click Next.



2. Click Next.

😸 Oracle VM VirtualBox 5.1.6 Setup	8					
Custom Setup						
Select the way you want features to be installed.						
Click on the icons in the tree below to change the way features will be installed.						
VirtualBox Application    Oracle VM VirtualBox 5.1.6      VirtualBox USB Support    Oracle VM VirtualBox 5.1.6      VirtualBox Networking    VirtualBox Networking						
VirtualBox Bridger VirtualBox Host-C VirtualBox Python 2.x Su VirtualBox Python 2.x Su VirtualBox Python 2.x Su						
Location: C:\Program Files\Oracle\VirtualBox\ Browse						
Version 5.1.6 Disk Usage < Back Next > Cancel						

3. Select or uncheck items and click **Next**.

📴 Oracle VM VirtualBox 5.1.6 Setup	X				
Custom Setup					
Select the way you want features to be installed.					
Please choose from the options below:					
✓ Create a shortcut on the desktop					
Create a shortcut in the Quick Launch Bar					
Register file associations					
Version 5.1.6 < Back Next > Canc	el				

4. Click Yes in the Network Interfaces warning wizard.



5. To start the installation of VirtualBox, click Install.



6. On the Windows UAC screen, click **Yes**.

7. During installation, you may see a Windows Security screen that prompts you to install or abort the VirtualBox installation. Click **Install**.



Note: To avoid this window from appearing further in the installation process, select the **Always trust software from "Oracle Corporation"** check-box.

8. Once the installation successfully completes, click **Finish**.



Now that you have installed VirtualBox, the next step is to download the workshop virtual environment (.ova). Refer to the next section for more information.

## Importing the CFSummit workshop environment into VirtualBox

1. Launch VirtualBox.



2. To import the environment into VirtualBox, click File > Import Appliance.

🗿 Oracle VM VirtualBox Manager					
File	Machine Help				
Þ	Preferences	Ctrl+G			
n	Import Appliance	Ctrl+I			
R	Export Appliance	Ctrl+E	Icome to VirtualBox!		

3. Choose the location of the workshop environment file. Click Next.

Appliance to import	
VirtualBox currently supports importing appliances saved in the Open Virtualization Format (OVF). To continue, select the file to import below.	
C:\ova\cfsummit2016-v2.ova	$\square$

4. VirtualBox now shows the settings of the VM. Enable the option **Reinitialize the MAC address of all network cards**.

These are imported V	the virtual machines c /irtualBox machines. Yo ns and disable others i	ontained in the appliance and the suggested a ou can change many of the properties shown ising the check boxes below.	settings of the by double-clicking
Descriptio	on	Configuration	
Virtual Sy	stem 1		
😪 N	lame	cfsummit2016-v2	
🥥 D	escription	Username: cfuser	
📃 G	uest OS Type	💯 Ubuntu (32-bit)	
🔲 c	PU	2	
R	AM	2560 MB	
💿 D	VD		
🧳 ບ	SB Controller		

- 5. To start importing the environment, click Import.
- 6. Once the import process completes, choose the virtual machine and click **Start**.

Oracle VM VirtualBox Manager	
<u>F</u> ile <u>M</u> achine <u>H</u> elp	
New Settings Discard Start	Details @ Snapshots
cfsummit2016-v2	📮 General
Fowered On	Name: cfsummit2016-v2 Operating System: Ubuntu (32-bit)
	System
	Base Memory: 2560 MB Processors: 2 Boot Order: Floppy, Optical, Hard Disk Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX, KVM Paravirtualization
	Display
	Video Memory: 16 MB Remote Desktop Server: Disabled Video Capture: Disabled
	Storage
	Controller: IDE IDE Secondary Master: [Optical Drive] Empty Controller: SATA SATA Port 0: cfsummit2016-v2-disk1.vmdk (Normal, 16.00 GB)
	🕼 Audio
	Host Driver: Windows DirectSound

Once the Ubuntu OS loads, log in to the environment using the following credentials:

- User name: cfuser
- Password: cfuser



## What does the OVA contain

For the CFSummit workshop, we have pre-installed the following:

- 1. ColdFusion (2016 release)
  - a. User name: admin
  - b. Password: admin
- 2. ColdFusion Builder (2016 release)
- 3. ColdFusion API Manager
  - a. User name for API Manager Administrator portal: admin
  - b. Password: admin
- 4. MySQL Server
  - a. User name: root
  - b. Password: password
- 5. Chrome and Firefox browser
- 6. Postman REST client
- 7. Notes.txt

#### Starting the ColdFusion Server

- 1. Change directories to /opt/coldfusion2016/cfusion/bin.
- 2. Enter *sudo* ./*cfstart.sh* in the terminal.
- 3. Enter the password *cfuser* when prompted. You will see the following conformation that ColdFusion has started successfully.



 Launch the Chrome (or any) browser and enter http://localhost:8500/CFIDE/administrator/index.cfm to launch the ColdFusion Administrator log in page. Enter the password admin to sign in to the Administrator console.

Cf	]
Adobe	e ColdFusion 2016 release Administrator
User na	ıme
admin	
Passwo	ord
•••••	
Lo	igin
Adobe	© 1997 - 2016 Adobe Systems Incorporated and its licensors. All Rights Reserved. Adobe, the Adobe logo, and ColdFusion are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

5. Click **Login**. You will be logged in to the ColdFusion Administrator. ColdFusion is now up and running in the virtual machine.

#### Starting the ColdFusion API Manager

- 1. In the terminal, change directories to */opt/coldfusion2016apimanager/bin*.
- 2. Enter *sudo ./apimanager start* to start the service.
- 3. The API Manager requires the Analytic Server and the Datastore to load first before launching the API Manager service. You will see that API Manager has successfully started:

Starting ColdFusion	2016 API Manager Analytics Server
ColdFusion 2016 API	Manager Analytics Server Started
Starting ColdFusion	2016 API Manager Datastore
ColdFusion 2016 API	Manager Datastore Started
Starting ColdFusion	2016 API Manager
The ColdFusion 2016	API Manager is starting up and will be available shortly.
ColdFusion 2016 API ColdFusion 2016 API ColdFusion 2016 API imanager-out.log	Manager has been started. Manager will write logs to /opt/coldfusion2016apimanager/logs/ap

4. Launch the Chrome (or any) browser and enter *http://localhost:9000/admin/login.html* to launch the API Manager Administrator log in screen. Use the password *admin* to sign in to the Administrator console.

5	2
admin	1
••••	
Login	Forgot Password?

#### Known issues while importing the virtual environment

When starting the virtual machine, you may run see an error message related to virtualization.

-	Virtual	Box - Error	?	×	
VT-x/AMD-V hardware acceleration is not available on your system. Certain guests (e.g. OS/2 and QNX) require this feature and will fail to boot without it.					
Close VM		Сору	Conti	nue	

If you see this error message, perform the following steps:

- 1. Restart the machine.
- 2. Go to the boot menu.
- 3. Go to the security tab.
- 4. Enable both the virtualization options in the menu.
- 5. Press F10 to save and exit.

If you encounter any issues in installing the VM or loading the environment, please contact **Nimit Sharma** (<u>nimsharm@adobe.com</u>).