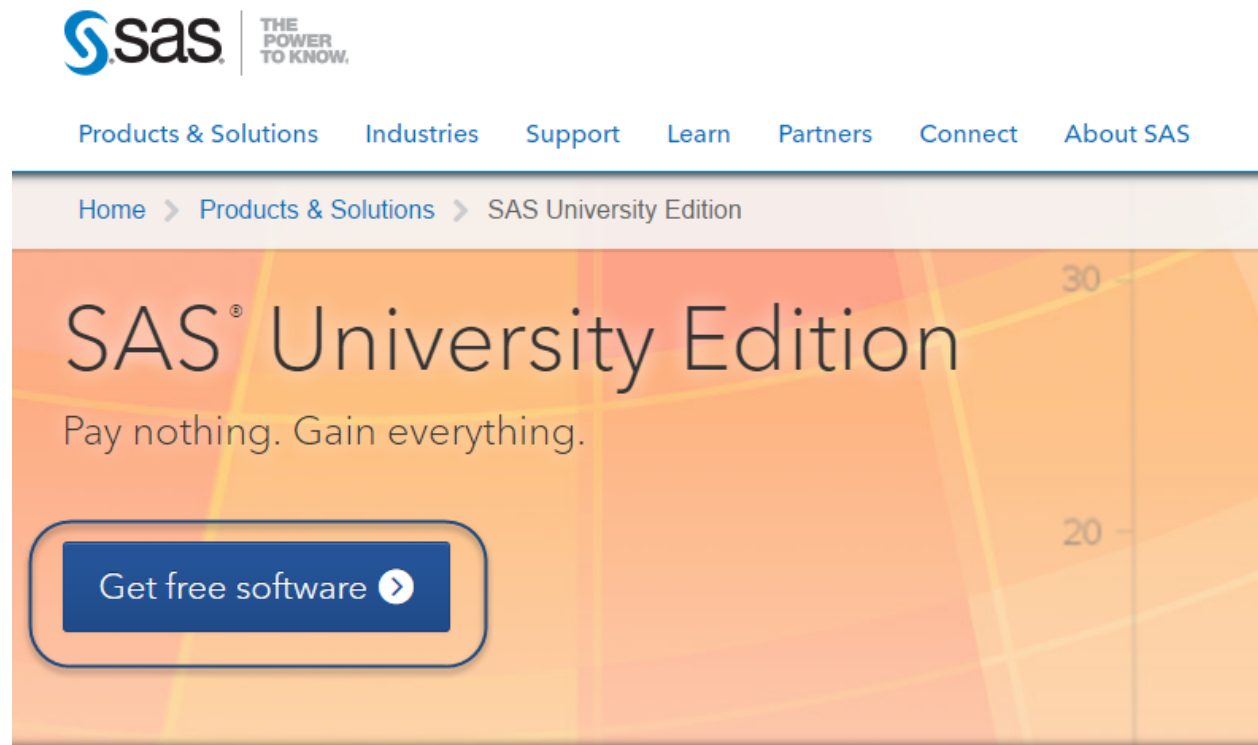


## Oracle Virtual Box

Install the latest release of Oracle Virtual Box from <https://www.virtualbox.org/wiki/Downloads>

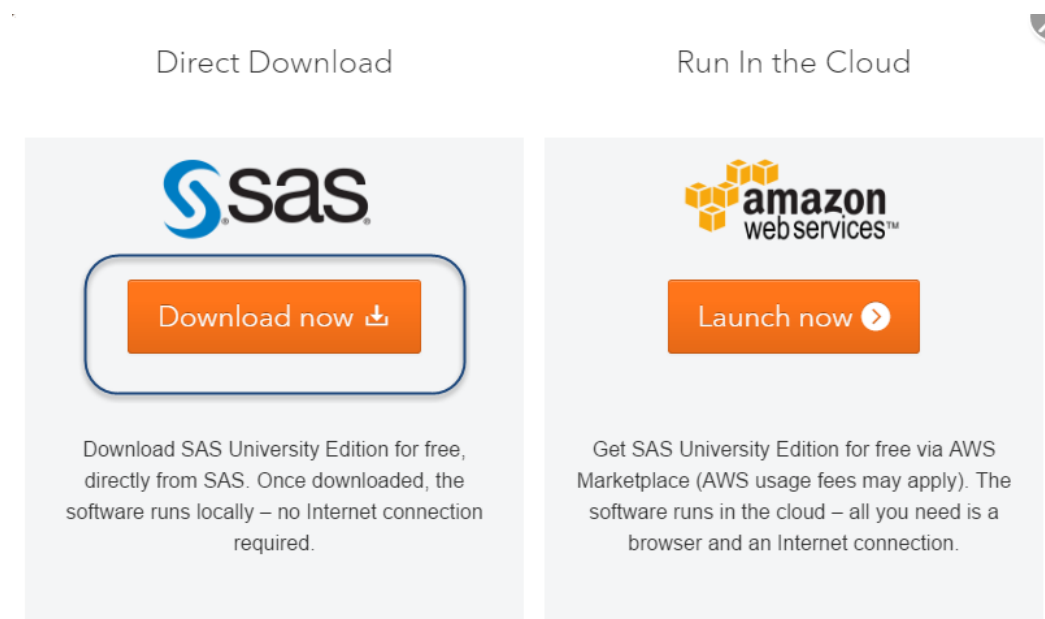
## SAS Configuration

Step 1: Visit [https://www.sas.com/en\\_us/software/university-edition.html](https://www.sas.com/en_us/software/university-edition.html) and download SAS



Step 2: Click **Get free Software**

Step 3: Select SAS Download Now (**Please do not run SAS in Amazon AWS**)



Step 4: Select version based on **your Operating System**

Step 5: Click **Get download button**

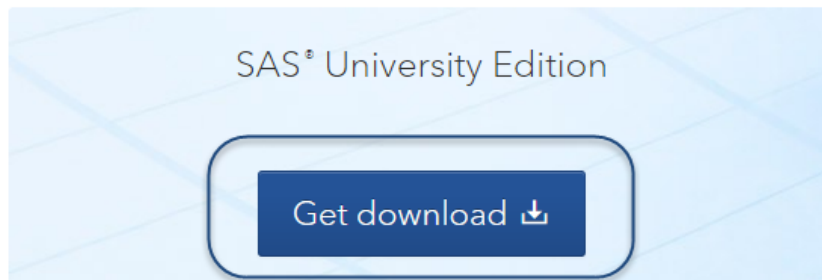
---



## Download the SAS® University Edition vApp.

Once you click the download button below, you'll be prompted to:

- 1 Create a SAS profile if you don't already have one. If you already have a SAS profile, log in.
- 2 Accept the user licensing agreement.
- 3 Begin the download. If your browser asks whether you want to save or open the file, click **Save** to save the file in your Downloads directory.



Step 6: Click on **Create Profile button** and **fill out all the details**

Step 1 of 2: Tell us about yourself.

Preferred Language

English ▼

First Name \*

Last Name \*

Email \*

Company/Organization \*

Rasmussen College

Country \*

United States ▼

State/Province/Territory \*

Minnesota ▼

Affiliation With SAS

Professor ▼

Phone \*

Step 7: **Select I agree to the terms of use and conditions. \*** and Click Create **Profile**

United States ▼

State/Province/Territory \*

Minnesota ▼

Affiliation With SAS

For fun ▼

Phone\*

612 942 1100

\*Required

☐ Yes, I would like to receive occasional emails from SAS and its affiliates about SAS products, events, free white papers, special offers, etc. I understand that all personal information will be handled in accordance with the SAS Privacy Statement. [Learn more.](#)

☒ I agree to the terms of use and conditions. \*

Create profile

Step 8: Go to your email inbox and **Activate your SAS profile**

Step 9: Enter **Password, confirm password** and Click **Set Password** button

Step 2 of 2: Please set your new password.

Password (show)

..... ✓

Your password must contain at least:

✓ 8 characters ✓ 1 lowercase letter ✓ 1 uppercase letter ✓ 1 number OR symbol

Do not use #, \, --, or part of your email address.

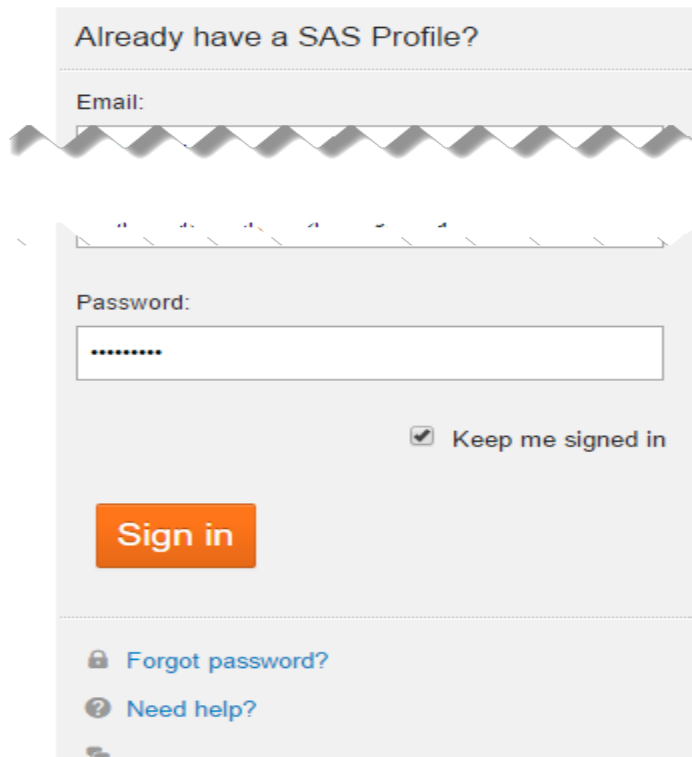
Confirm password

..... ✓

Set password

Step 10: Click **Continue**

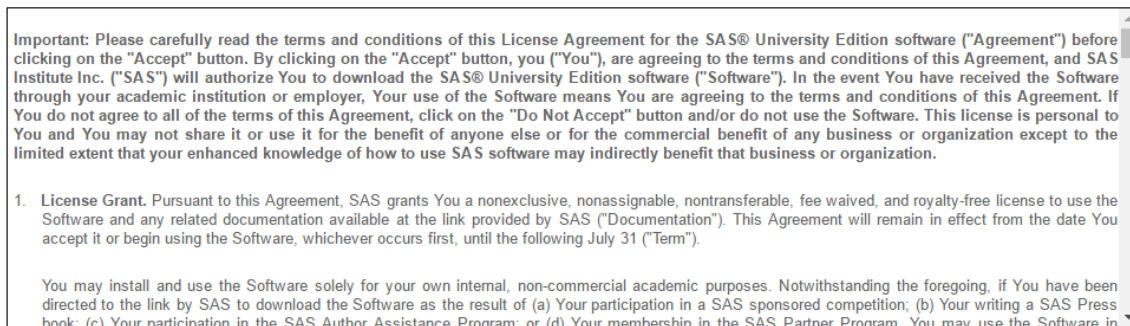
Step 11: Enter your **email** and **password**. Click **Sign in** button



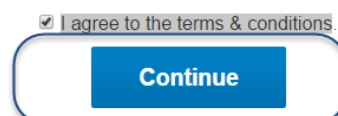
Step 11: Enter your **email** and **password**. Click **Sign in** button

Step 12: Select **I agree to the terms & conditions** and Click **Continue**

## SAS University Edition License Agreement




 Print



Step 13: Click **Download**

Shipment 626772-1


	Description	Unit Price	Unit	Total
	<b>SAS University Edition</b> VirtualBox Single user Non-commercial use	0.00 USD	1	0.00 USD
				<a href="#">Download</a>

Item Subtotal	0.00 USD
Tax	0.00 USD
Total for This Shipment	0.00 USD

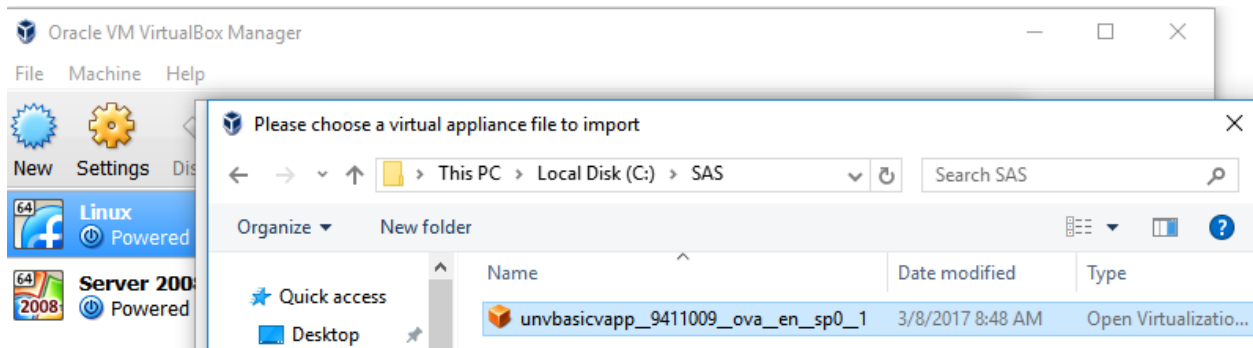
Order Summary	
Item Subtotal	0.00 USD
Shipping	N/A
Total Before Tax	0.00 USD
Tax	0.00 USD
<b>Total</b>	<b>0.00 USD</b>

Share    View

> This PC > Local Disk (C:) > SAS

<input type="checkbox"/>	Name	Date modified
	unvbasicvapp_9411009_ova_en_sp0_1	3/8/2017 8:48 AM

- Step 14: Open **Virtual Box**. Select **File->Appliance to Import**
- Step 15: Select **OVA file** and Click **Open**



Step 16: Click **Next** and Click **Import**

← Import Virtual Appliance

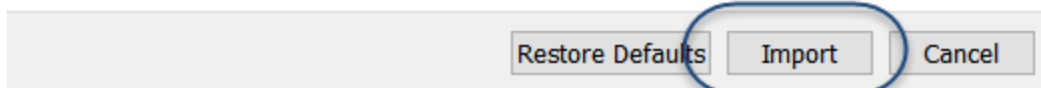
## Appliance settings

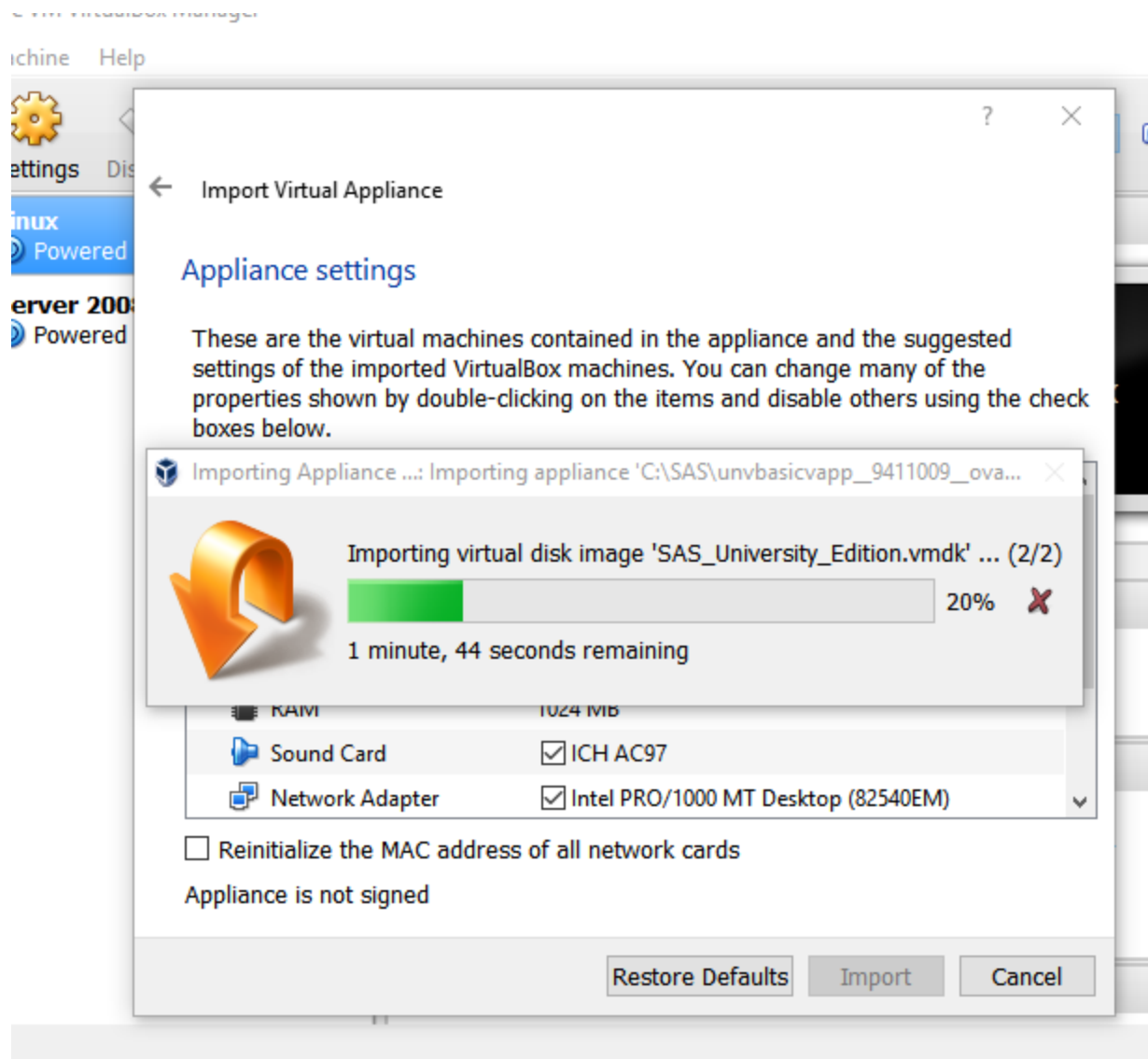
These are the virtual machines contained in the appliance and the suggested settings of the imported VirtualBox machines. You can change many of the properties shown by double-clicking on the items and disable others using the check boxes below.

Description	Configuration
Virtual System 1	
Name	SAS University Edition
Guest OS Type	Red Hat (64-bit)
CPU	2
RAM	1024 MB
Sound Card	<input checked="" type="checkbox"/> ICH AC97
Network Adapter	<input checked="" type="checkbox"/> Intel PRO/1000 MT Desktop (82540EM)

☐ Reinitialize the MAC address of all network cards

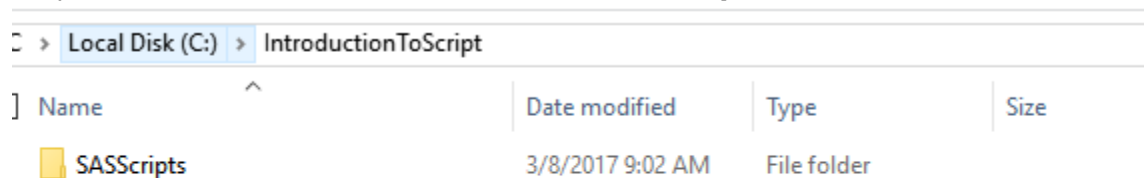
Appliance is not signed





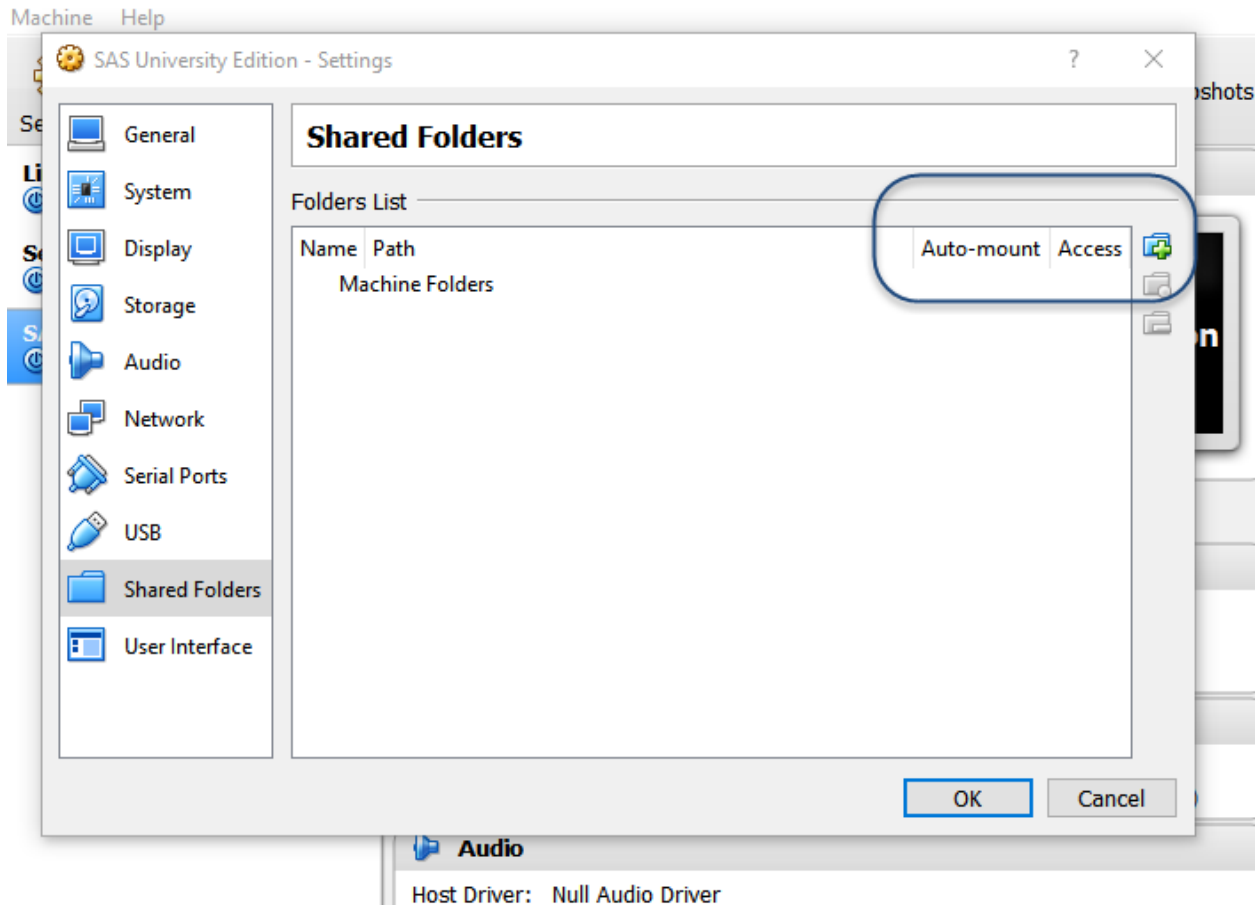
Step 17: Create a folder on your C drive and name it as **IntroductionToScript** class

Step 18: Create a subfolder and name it as **SASScripts**

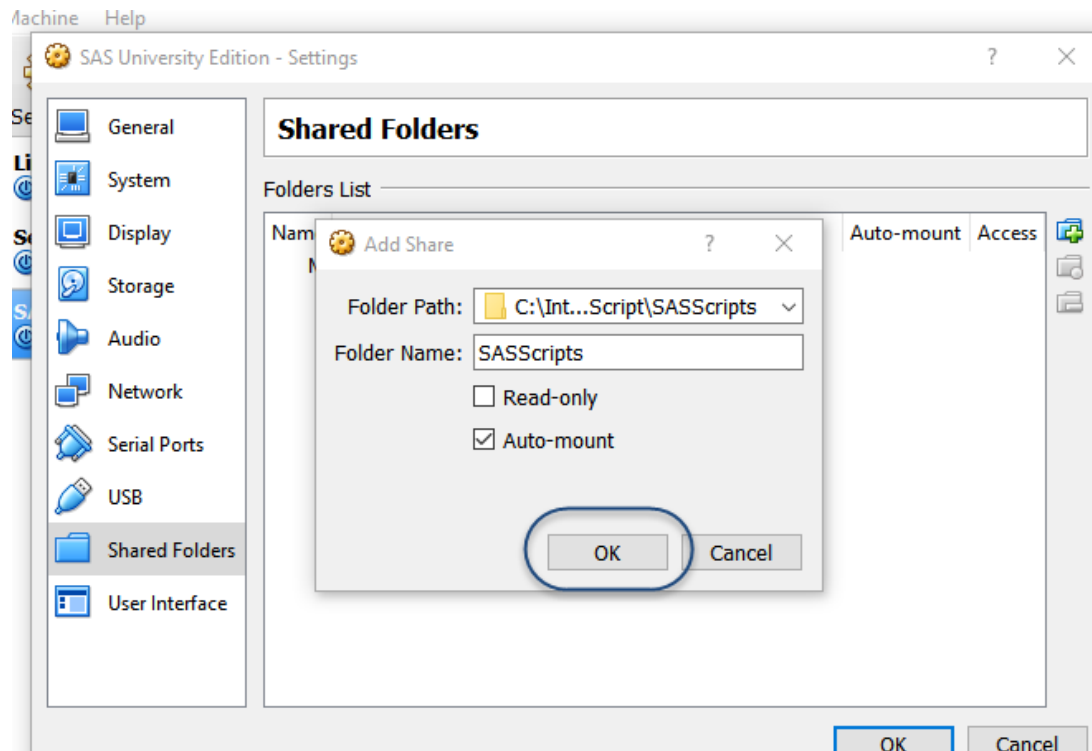


Step 19: Go to **Virtual Machine->Settings->Shared Folder** and Click + **sign**



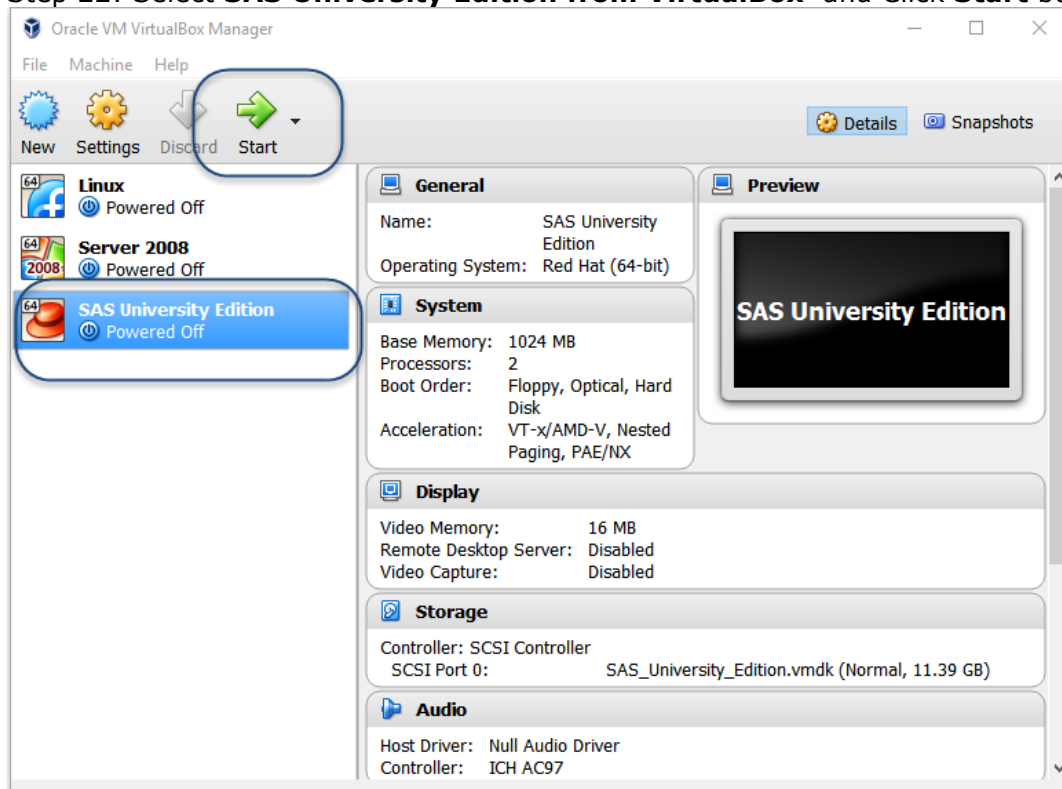


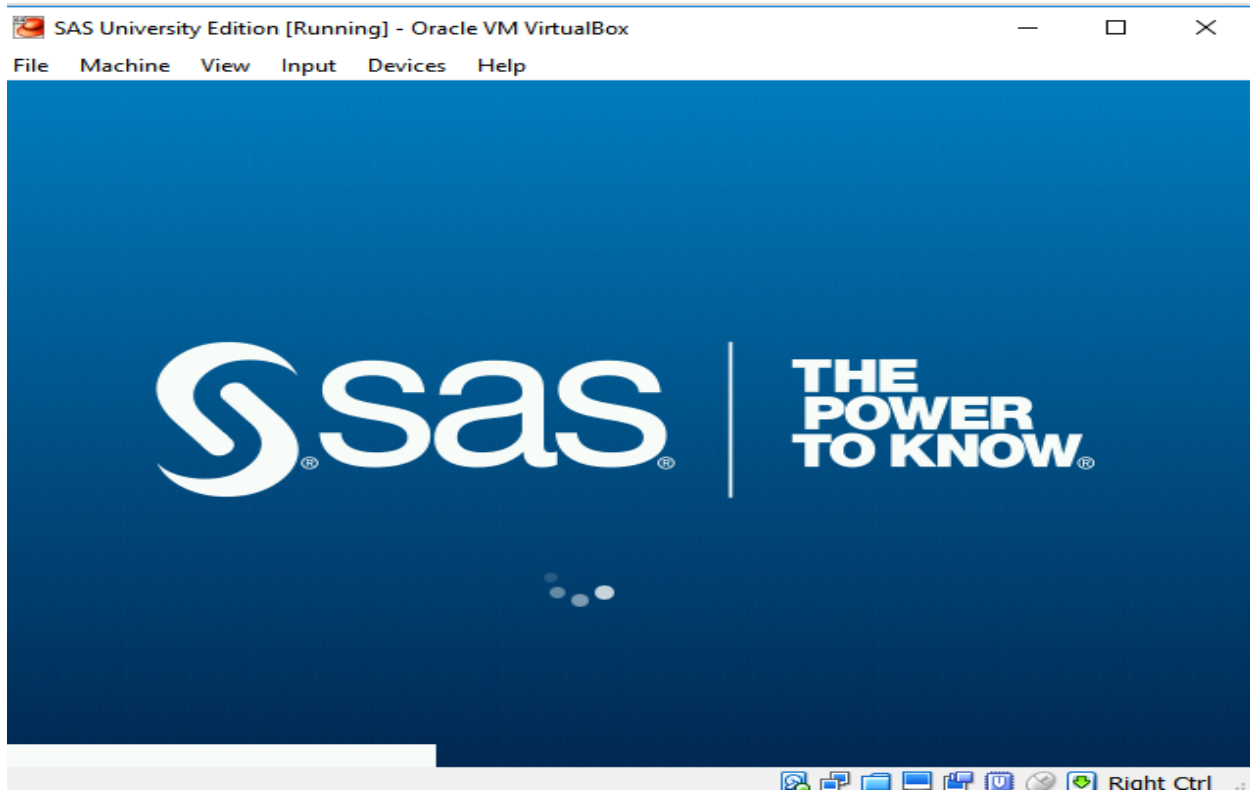
Step 20: Enter folder path as **C:\IntroductionToScript\SASScripts** and Click **Auto-mount option**



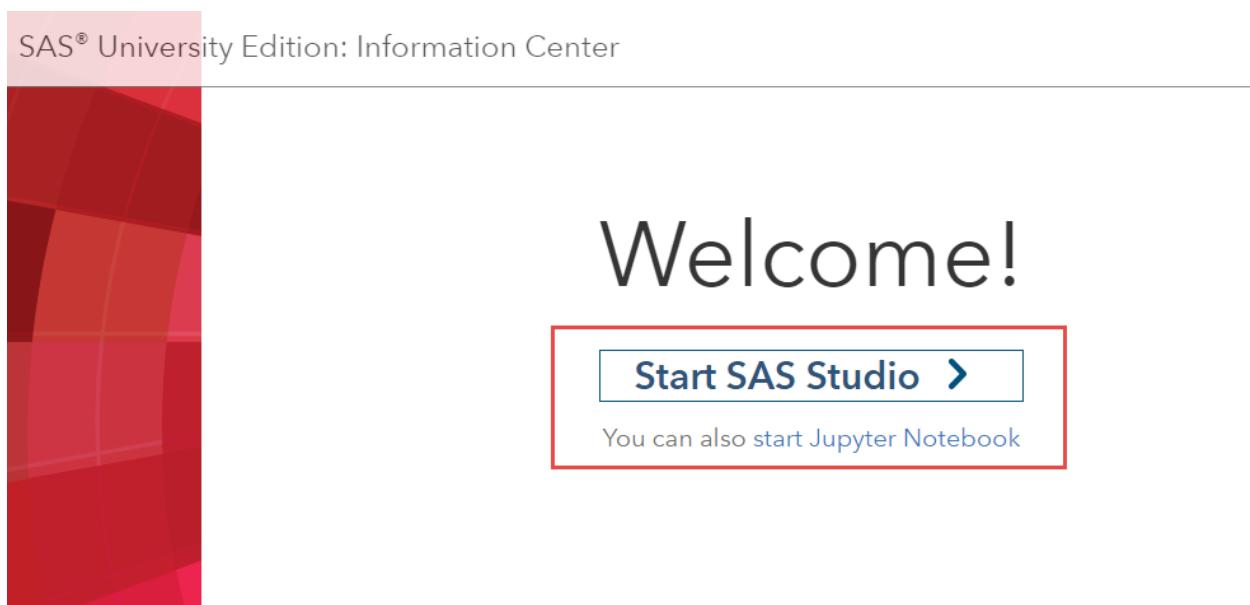
Step 21: Click **Ok**

Step 22: Select **SAS University Edition** from **VirtualBox** and Click **Start** button





Step 24: Select <http://localhost:10080/SASInformationCenter/index.html> in your browser and Click Start

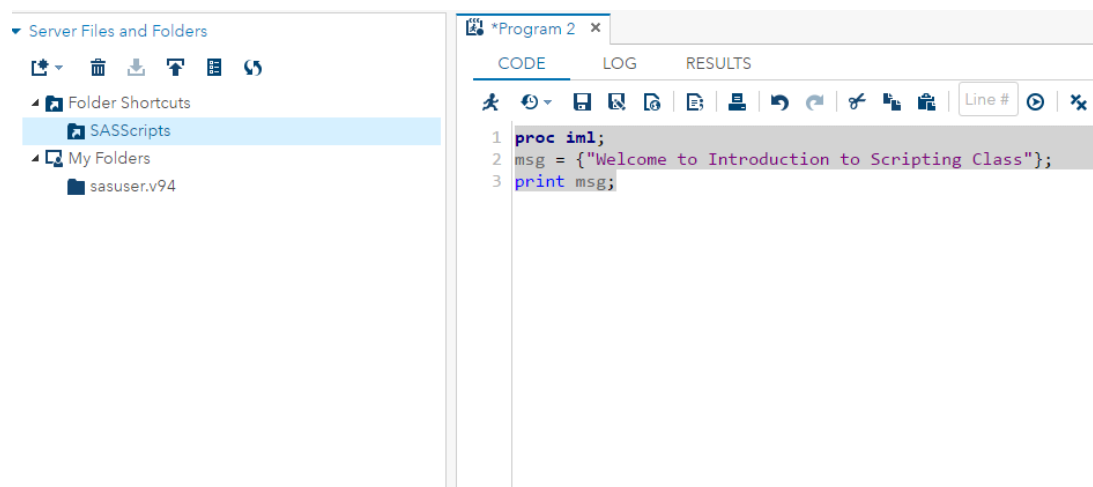


Initializing...



Step 24: Create a sample program and run the code

```
proc iml;  
msg = {"Welcome to Introduction to Scripting Class"};  
print msg;
```



Output:

msg
Hello
World!