

# Oracle SOA Suite VirtualBox Appliance

## Introduction and Readme

May 2016



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## 1 VirtualBox Appliance

WARNING – THIS VIRTUAL MACHINE IMAGE CONTAINS ORACLE PROPRIETARY SOFTWARE THAT IS LICENSED TO THE INDIVIDUAL THAT ORIGINALLY OBTAINED IT FROM ORACLE. IT MAY NOT BE TRANSFERRED OR DISTRIBUTED TO OTHER INDIVIDUALS, EVEN IF THOSE INDIVIDUALS ARE EMPLOYED BY THE SAME ENTITY. IF YOU DID NOT OBTAIN THIS IMAGE FROM AN ORACLE WEBSITE OR FROM AN AUTHORIZED ORACLE EMPLOYEE OR CONTRACTOR, YOU MAY NOT USE IT; VISIT [WWW.ORACLE.COM/OTN](http://WWW.ORACLE.COM/OTN) TO DOWNLOAD A COPY YOU MAY USE.

IF YOU RECEIVED THIS VIRTUAL MACHINE IMAGE DIRECTLY FROM ORACLE THEN BY CONTINUING TO INSTALL THE VIRTUAL MACHINE IMAGE YOU AGREE TO THE LICENSE TERMS AT <http://www.oracle.com/technetwork/licenses/soa-vm-license-2870902.html>.

### 1.1 Installed Software

Software	Version
Oracle Enterprise Linux (64-bit)	EL 6 Update 7 (64-bit)
Oracle Database, Enterprise Edition	12.1.0.2
Oracle SOA Suite 12c	12.2.1.0.0
Oracle Service Bus 12c	12.2.1.0.0
Oracle Stream Explorer	12.2.1.0.0
Oracle Real-Time Integration Business Insight	12.2.1.0.0
Oracle Managed File Transfer	12.2.1.0.0
Oracle Sun JDK	1.8.0_51-b16 (64-bit)

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## 1.2 Settings

- Default memory is set to **10240MB**.
- Default CPU count is set to **2**.
- Default network mode is NAT with port-forwarding and all the relevant ports for all configured servers are forwarded on the same port number. For e.g. port 7001 on the host is forwarded to port 7001 in the VM.
- SSH port 22 on the guest is mapped to port 7022 on the host.
- Hostname is integration.oracle.com

**NOTE: Please add integration as an alias for your loopback address (127.0.0.1) in your laptop/desktop's hosts file. This will allow you to run JDeveloper and/or Enterprise Manager locally and connect to the Weblogic domain in the virtual machine.**

## 1.3 User IDs

Administrative Login	weblogic/welcome1
Oracle Enterprise Database	All passwords are set to welcome1
OS Login	oracle/oracle, root/oracle

## 1.4 Domain Configurations

This VirtualBox contains four domain configurations:

- Oracle SOA Suite with Oracle Service Bus, B2B, Enterprise Scheduler and BAM
- Oracle Managed File Transfer
- Oracle BAM and Oracle Stream Explorer
- Oracle Real-Time Integration Business Insight

## 2 Before you begin

### 2.1 Enable hardware virtualization in your PC BIOS

Make sure hardware virtualization is available for your PC. It's most likely turned off by default, so you will need to turn on the hardware virtualization capability before you can use it.

### 2.2 Install Oracle VM VirtualBox

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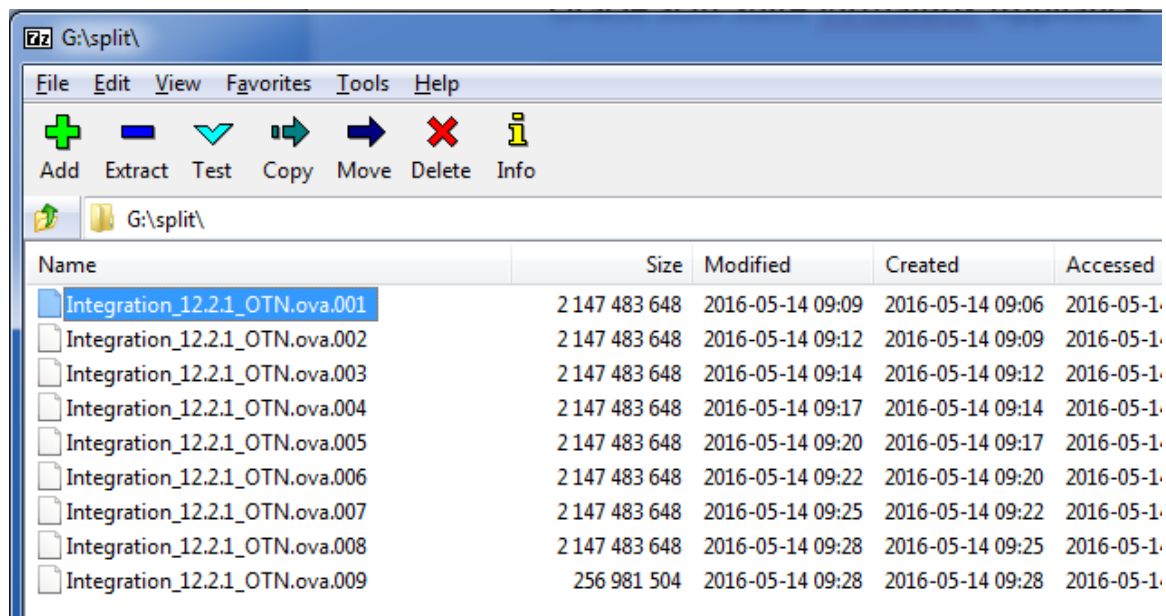
This appliance was built with VirtualBox 5.0.20. Please download and install the latest [Oracle VM VirtualBox](#).

### 3 Setting Up the VirtualBox Appliance

#### 3.1 Download the appliance

The appliance is available as a multi-part 7-Zip archive and you will need utilities such as 7-Zip or the latest WinZip to create the OVA file.

- Download all the parts of the archive from the [Pre-built Virtual Machine for SOA Suite 12.2.1](#) page on OTN.
- Download [md5sums.txt](#): this file contains the MD5 sums of all the parts and can be used to test the integrity of the downloaded files as well as the combined ova file using utilities such as md5sum on Linux or md5sums.exe available at <http://www.pc-tools.net/win32/md5sums/>
- Combine the nine parts using 7-Zip, this should create a single file called **Integration\_12.2.1\_OTN.ova**.
  - Open 7-Zip File Manager
  - Open the folder into which you copied the 9 parts
  - Select **Integration\_12.2.1\_OTN.ova.001**

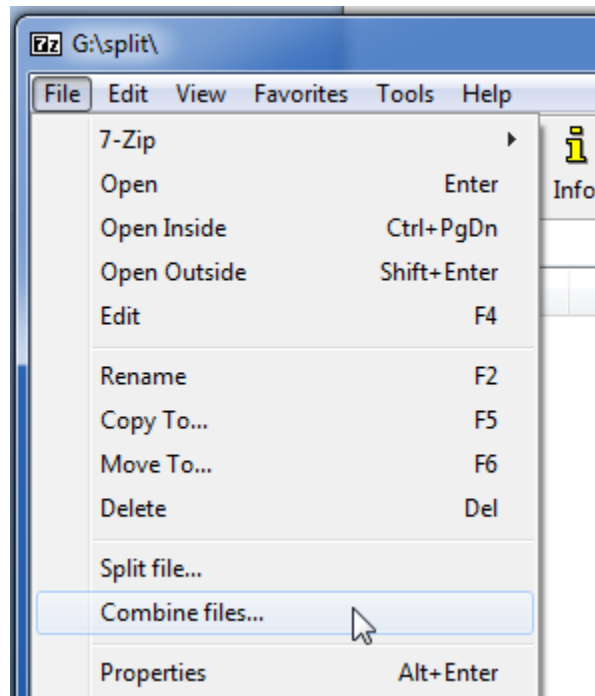


- From the menu, select **File – Combine files**

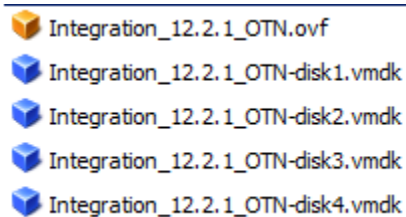
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- Select the folder for the .ova file
  - This action will take a little while and will result in the creation of **Integration\_12.2.1\_OTN.ova**.
- If you don't have 7-Zip and no way to combine the files, you can also extract the parts and should see a result similar to the following:



- Instead of the .ova file, you will import the .ovf file.

### 3.2 Setting your VirtualBox Preferences

- Start **VirtualBox**
- Before you start the import, you should set the import folder for the image
- Go to **File→Preferences**

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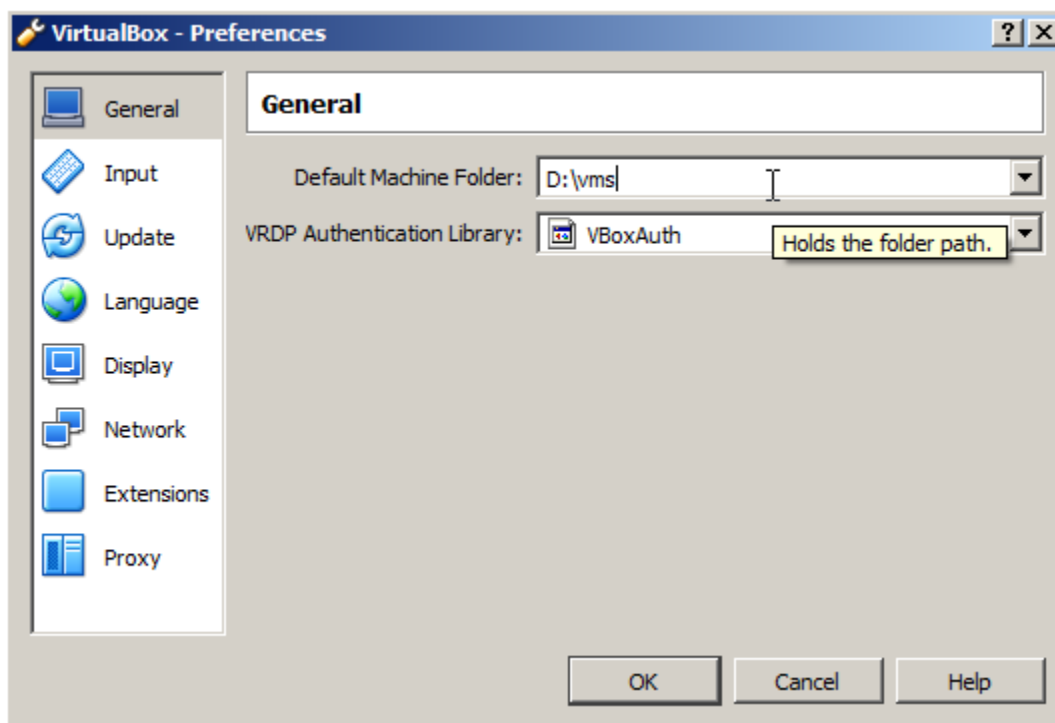
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- Set the **Default Machine Folder** to the location of your choice. This is where VirtualBox will store the virtual image you are about to import. Make sure to pick a location with sufficient space. You will need about 30 GB for this image.



- Click OK

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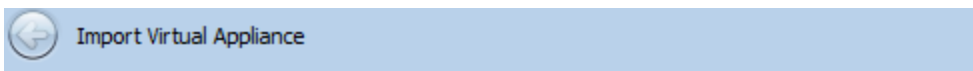
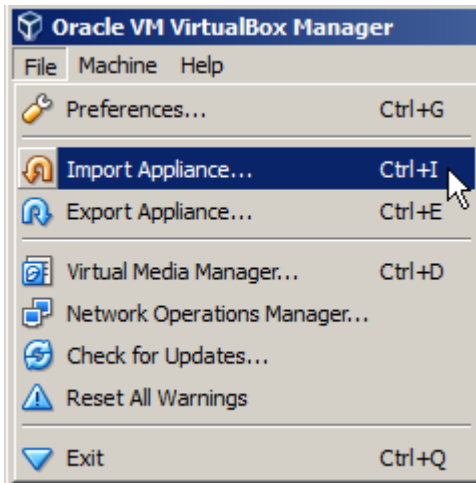
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### 3.3 Importing the Appliance

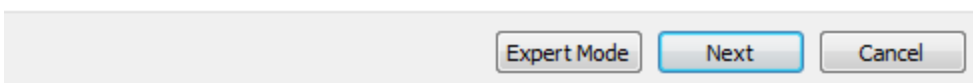
- Import the appliance (**File**→**Import Appliance ...**) and choose the **Integration\_12.2.1\_OTN.ova** file.



#### Appliance to import

VirtualBox currently supports importing appliances saved in the Open Virtualization Format (OVF). To continue, select the file to import below.

D:\vbox\Integration\_12.2.1\_OTN.ova 



- You will be presented with the Appliance Settings. Review the settings and make any

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necessary changes.

- Note: You may need to disable the USB controller. On some machines, an error was encountered on import/startup.
- Note2: The **Name** of the appliance may slightly differ from the screenshot below as we are making constant updates to the image.

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	Integration_12.2.1_OTN
Description	Integration VM for SOA 12.2.1 GA ...
Guest OS Type	Oracle (64-bit)
CPU	2
RAM	10240 MB
DVD	<input checked="" type="checkbox"/>
Sound Card	<input checked="" type="checkbox"/> ICH AC97

Reinitialize the MAC address of all network cards

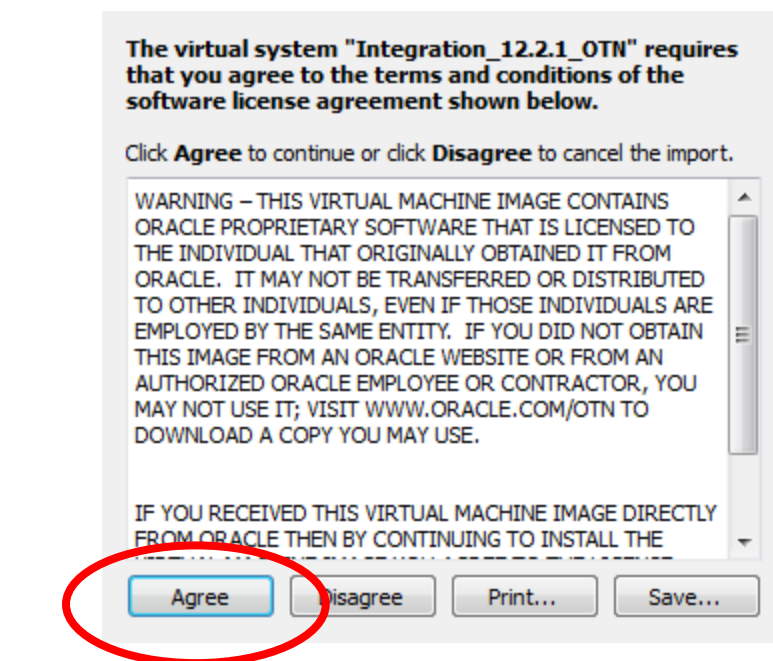
Restore Defaults **Import** Cancel

- Click **Import**
- Accept the license agreement by clicking **Agree**

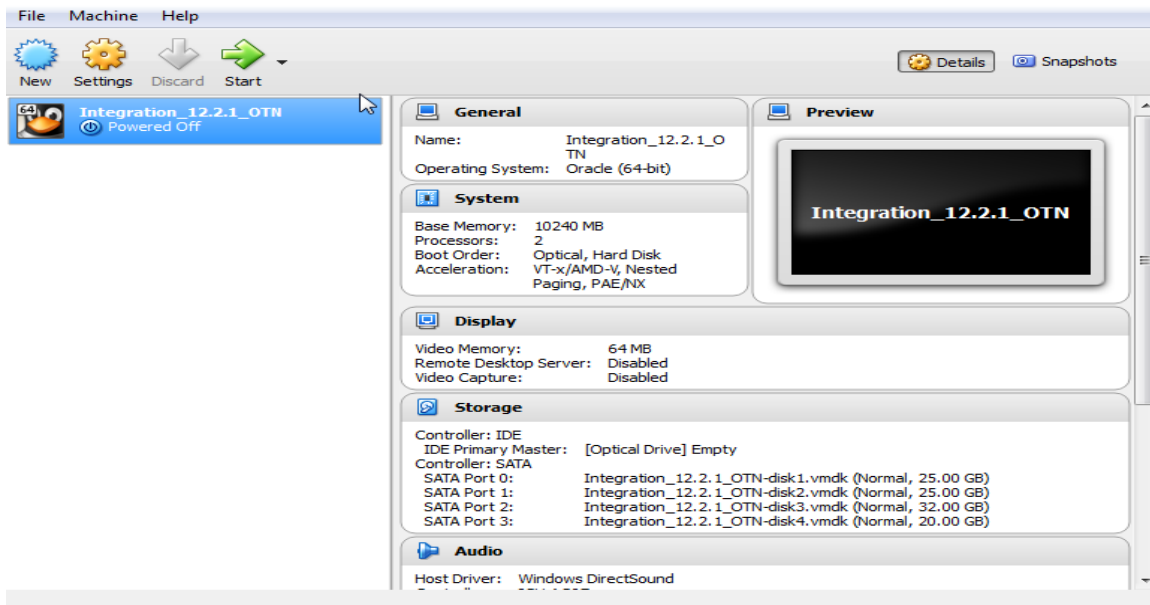
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- The import will take a few minutes
- When the import is finished, click on the imported appliance and check the settings



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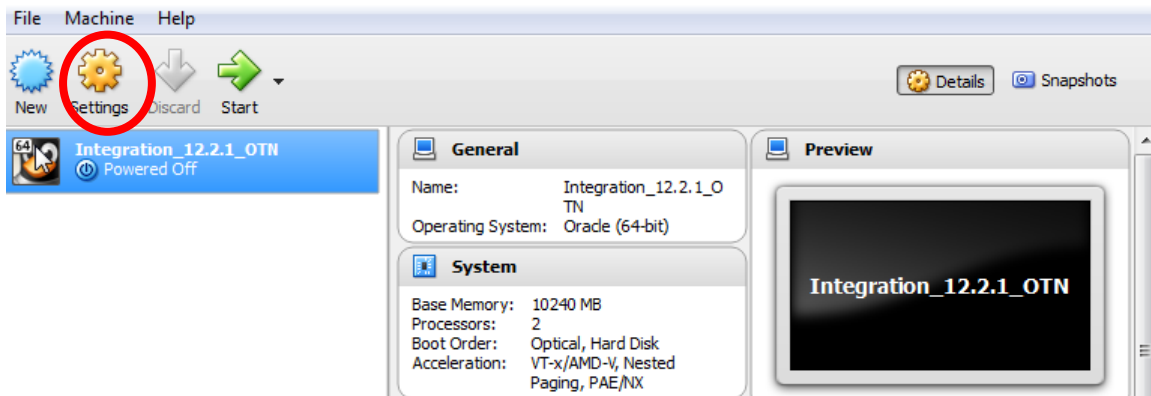
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### Adjust memory and CPU settings:

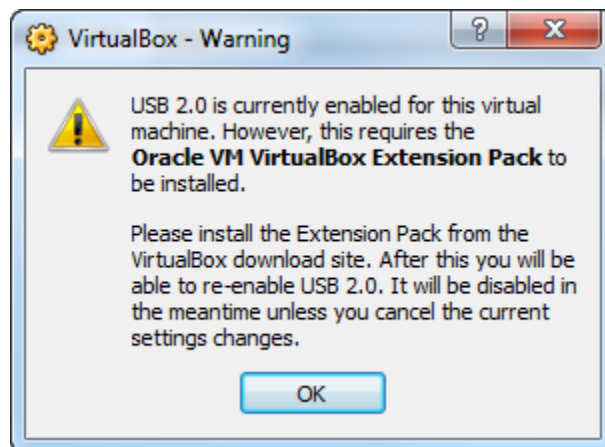
If you want to change the memory settings or the number of CPUs, please follow the steps below.

### Change memory settings:

- With the appliance selected, click on **Settings**



- If you see an error related to USB 2.0, either install the Oracle VM Virtual Box extension from [the Oracle VM VirtualBox downloads page](#), or disable USB 2.0:

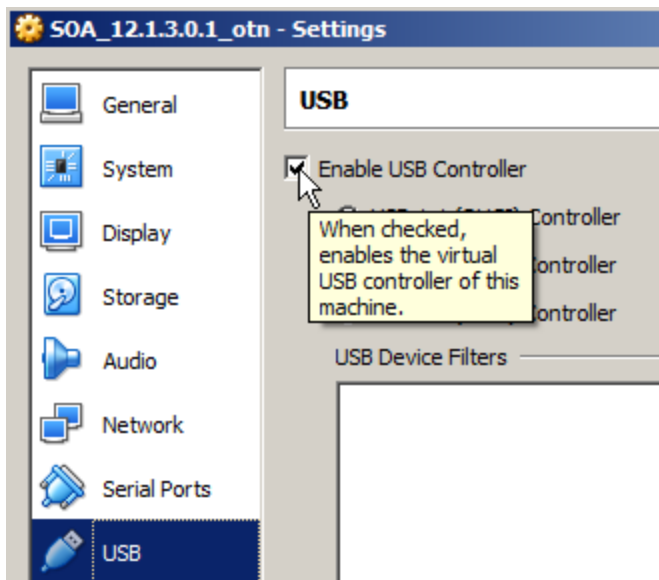


- Go to **USB**

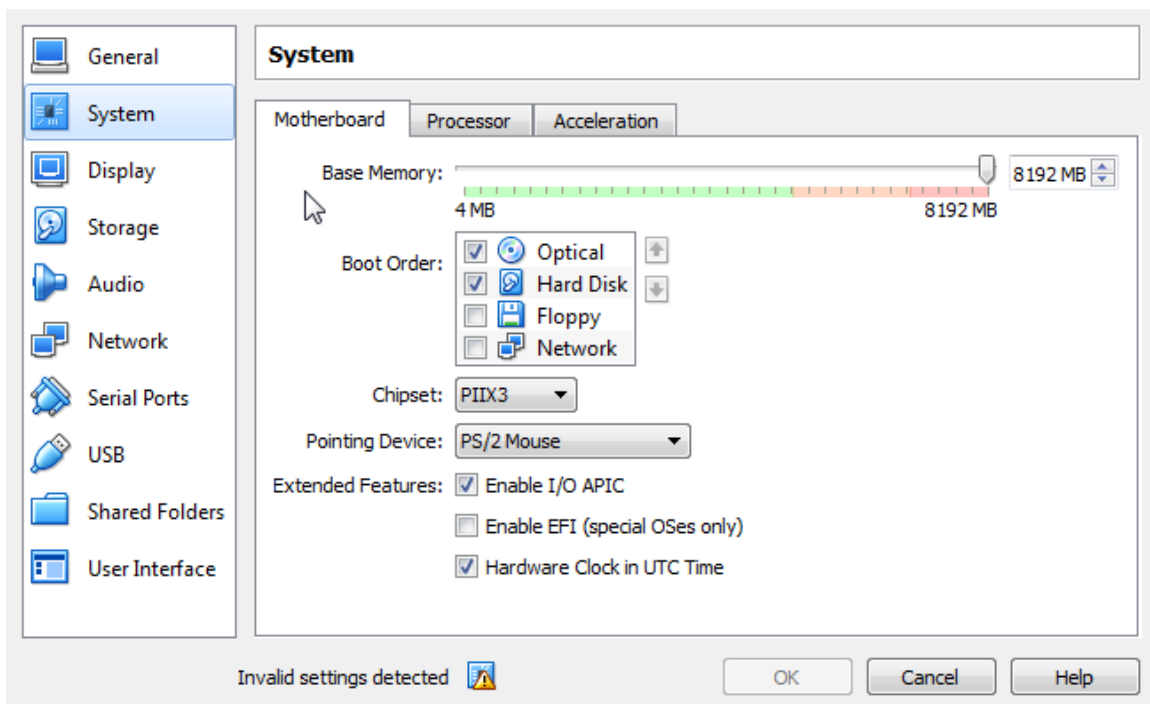
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- Uncheck the box in front of “Enable USB 2.0 (EHCI) Controller”
- Now go to **System**.
- Set the memory to the desired value (you should allocate at least 8GB to the VM).
- Click **OK**

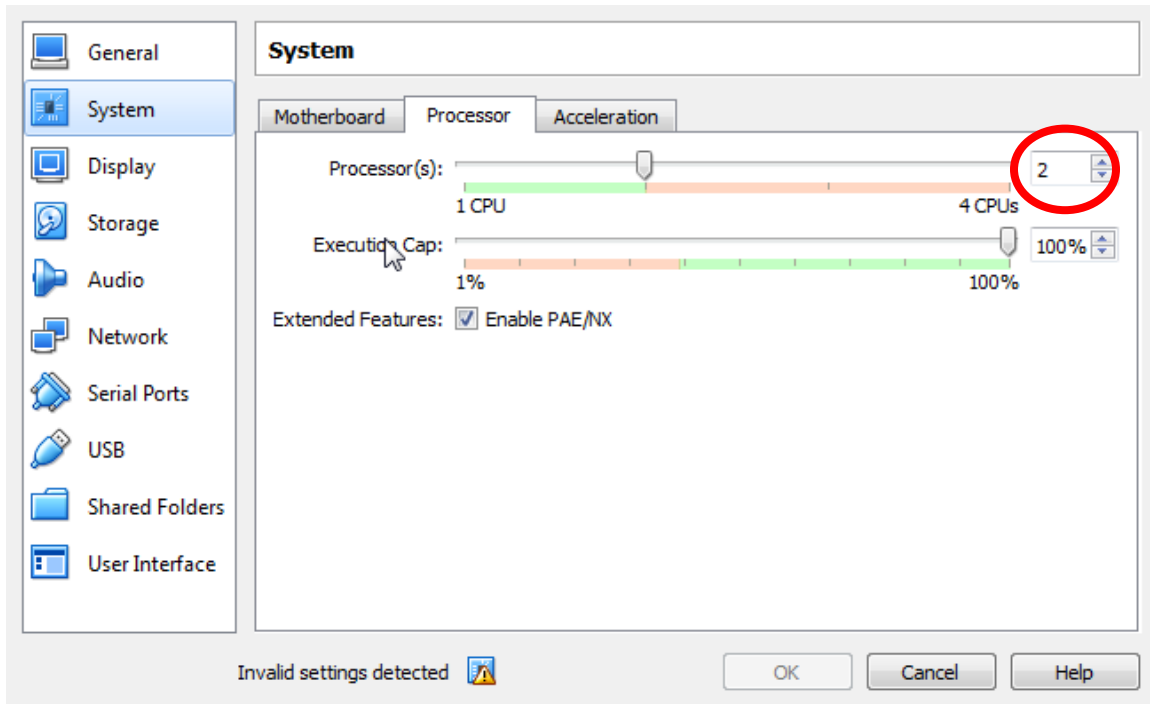


### Change the number of CPUs

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- Go to the “Processor” tab
- Enter the desired value



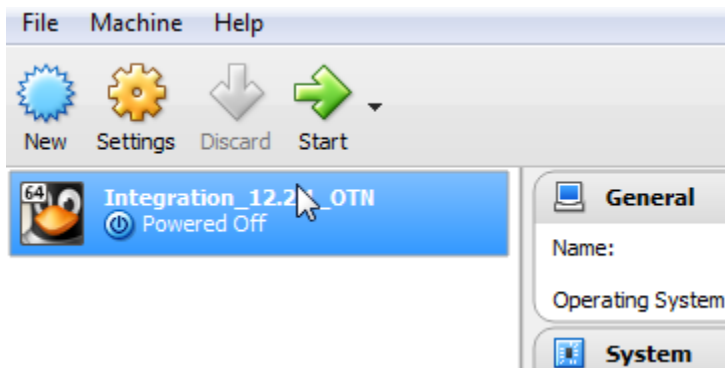
- Click **OK**

Now we're ready to start the appliance and set up our domain

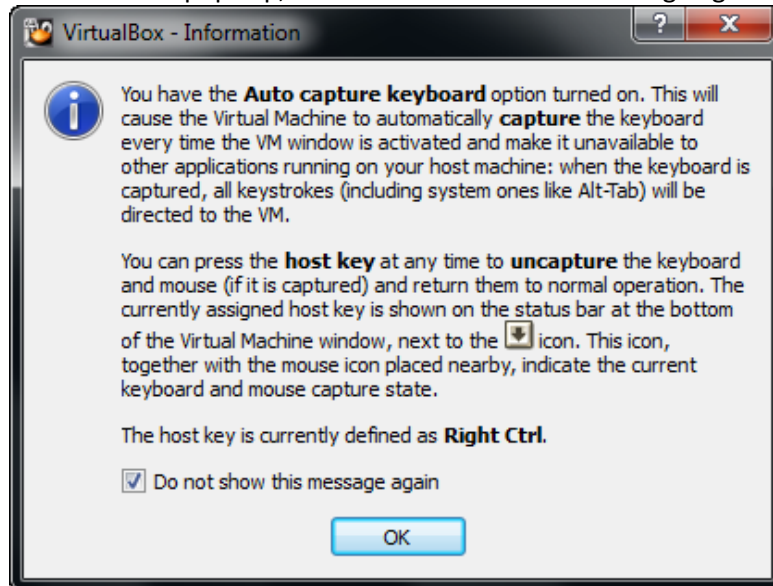
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### 4 Start the Appliance

- With the appliance selected, click on **Start**

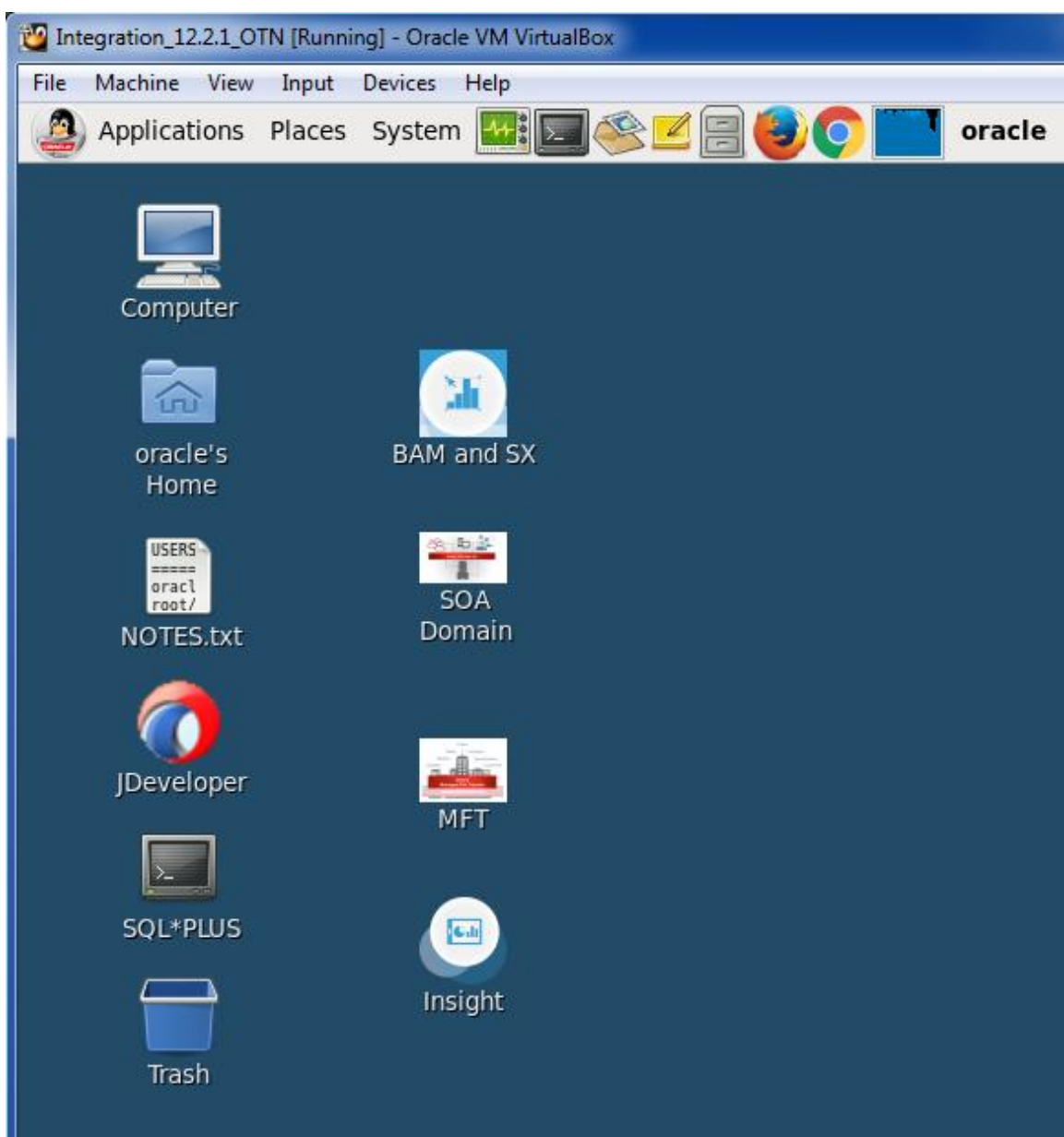


- If this window pops up, check “Do not show this message again” and click **OK**



The appliance will log in as the oracle user automatically and will show the desktop

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Open NOTES.txt on the desktop for additional information about the setup.

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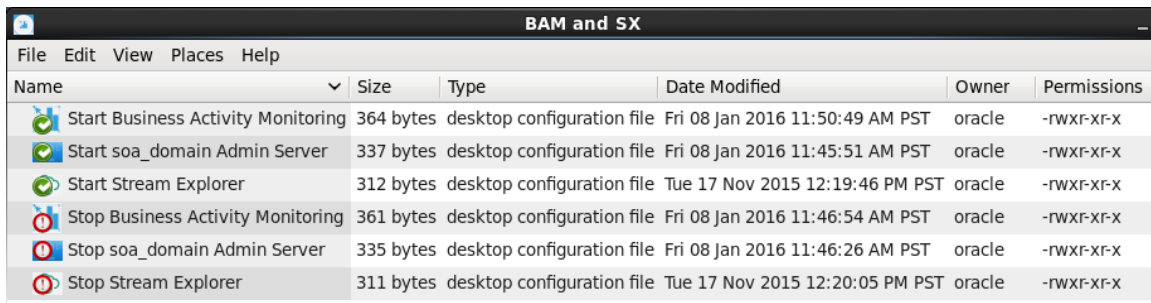
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## 4.1 Start the appropriate server

Ensure that all previously started servers in other domains have been stopped before starting servers in a new domain.

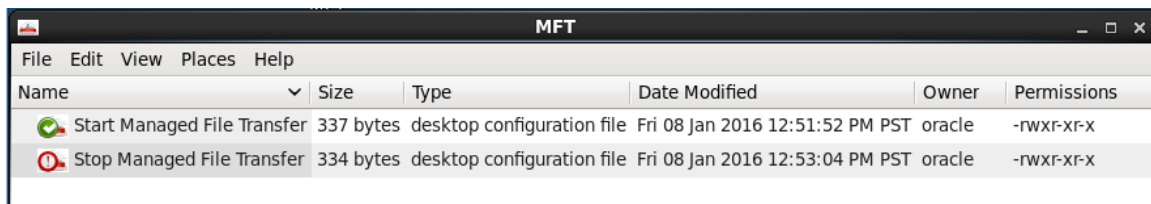
Open the following folders to start the domain for your choice:

- **BAM and SX** for BAM and Stream explorer Domain
- **MFT** for the MFT domain
- **SOA Domain** for an expanded SOA domain with one Admin and one SOA managed server
- **Insight** for a compact SOA (with Service Bus) domain with Insight server and agents



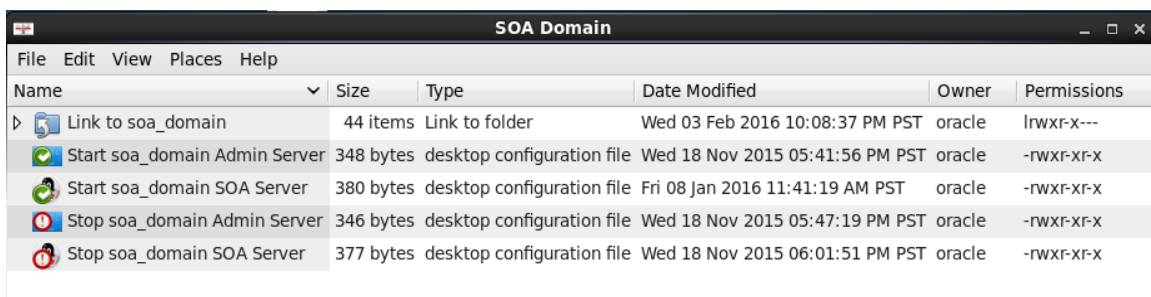
A screenshot of a file explorer window titled "BAM and SX". The window shows a list of desktop configuration files with columns for Name, Size, Type, Date Modified, Owner, and Permissions. The files include "Start Business Activity Monitoring", "Start soa\_domain Admin Server", "Start Stream Explorer", "Stop Business Activity Monitoring", "Stop soa\_domain Admin Server", and "Stop Stream Explorer".

Name	Size	Type	Date Modified	Owner	Permissions
Start Business Activity Monitoring	364 bytes	desktop configuration file	Fri 08 Jan 2016 11:50:49 AM PST	oracle	-rwxr-xr-x
Start soa_domain Admin Server	337 bytes	desktop configuration file	Fri 08 Jan 2016 11:45:51 AM PST	oracle	-rwxr-xr-x
Start Stream Explorer	312 bytes	desktop configuration file	Tue 17 Nov 2015 12:19:46 PM PST	oracle	-rwxr-xr-x
Stop Business Activity Monitoring	361 bytes	desktop configuration file	Fri 08 Jan 2016 11:46:54 AM PST	oracle	-rwxr-xr-x
Stop soa_domain Admin Server	335 bytes	desktop configuration file	Fri 08 Jan 2016 11:46:26 AM PST	oracle	-rwxr-xr-x
Stop Stream Explorer	311 bytes	desktop configuration file	Tue 17 Nov 2015 12:20:05 PM PST	oracle	-rwxr-xr-x



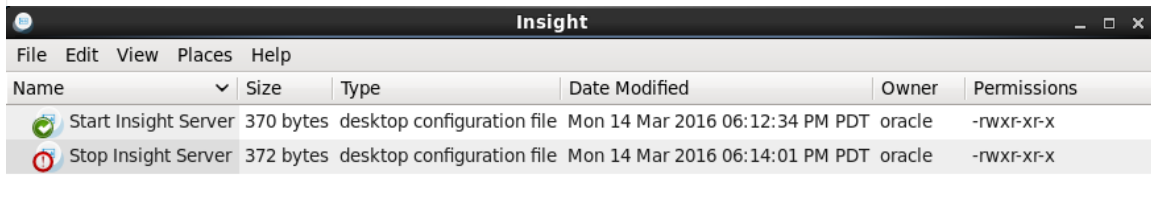
A screenshot of a file explorer window titled "MFT". The window shows a list of desktop configuration files with columns for Name, Size, Type, Date Modified, Owner, and Permissions. The files include "Start Managed File Transfer" and "Stop Managed File Transfer".

Name	Size	Type	Date Modified	Owner	Permissions
Start Managed File Transfer	337 bytes	desktop configuration file	Fri 08 Jan 2016 12:51:52 PM PST	oracle	-rwxr-xr-x
Stop Managed File Transfer	334 bytes	desktop configuration file	Fri 08 Jan 2016 12:53:04 PM PST	oracle	-rwxr-xr-x



A screenshot of a file explorer window titled "SOA Domain". The window shows a list of desktop configuration files with columns for Name, Size, Type, Date Modified, Owner, and Permissions. The files include "Link to soa\_domain", "Start soa\_domain Admin Server", "Start soa\_domain SOA Server", "Stop soa\_domain Admin Server", and "Stop soa\_domain SOA Server".

Name	Size	Type	Date Modified	Owner	Permissions
Link to soa_domain	44 items	Link to folder	Wed 03 Feb 2016 10:08:37 PM PST	oracle	lrwxr-x---
Start soa_domain Admin Server	348 bytes	desktop configuration file	Wed 18 Nov 2015 05:41:56 PM PST	oracle	-rwxr-xr-x
Start soa_domain SOA Server	380 bytes	desktop configuration file	Fri 08 Jan 2016 11:41:19 AM PST	oracle	-rwxr-xr-x
Stop soa_domain Admin Server	346 bytes	desktop configuration file	Wed 18 Nov 2015 05:47:19 PM PST	oracle	-rwxr-xr-x
Stop soa_domain SOA Server	377 bytes	desktop configuration file	Wed 18 Nov 2015 06:01:51 PM PST	oracle	-rwxr-xr-x



A screenshot of a file explorer window titled "Insight". The window shows a list of desktop configuration files with columns for Name, Size, Type, Date Modified, Owner, and Permissions. The files include "Start Insight Server" and "Stop Insight Server".

Name	Size	Type	Date Modified	Owner	Permissions
Start Insight Server	370 bytes	desktop configuration file	Mon 14 Mar 2016 06:12:34 PM PDT	oracle	-rwxr-xr-x
Stop Insight Server	372 bytes	desktop configuration file	Mon 14 Mar 2016 06:14:01 PM PDT	oracle	-rwxr-xr-x

These folders on the desktop include start/stop shortcuts as follows:

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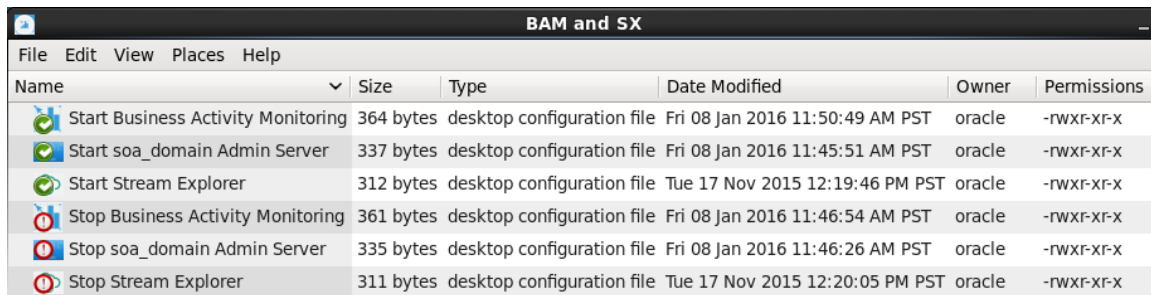


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### 4.1.1 Stream Explorer and BAM

Use this for any trial, training, demo of Stream Explorer or BAM.



Name	Size	Type	Date Modified	Owner	Permissions
Start Business Activity Monitoring	364 bytes	desktop configuration file	Fri 08 Jan 2016 11:50:49 AM PST	oracle	-rwxr-xr-x
Start soa_domain Admin Server	337 bytes	desktop configuration file	Fri 08 Jan 2016 11:45:51 AM PST	oracle	-rwxr-xr-x
Start Stream Explorer	312 bytes	desktop configuration file	Tue 17 Nov 2015 12:19:46 PM PST	oracle	-rwxr-xr-x
Stop Business Activity Monitoring	361 bytes	desktop configuration file	Fri 08 Jan 2016 11:46:54 AM PST	oracle	-rwxr-xr-x
Stop soa_domain Admin Server	335 bytes	desktop configuration file	Fri 08 Jan 2016 11:46:26 AM PST	oracle	-rwxr-xr-x
Stop Stream Explorer	311 bytes	desktop configuration file	Tue 17 Nov 2015 12:20:05 PM PST	oracle	-rwxr-xr-x

#### Note:

The icon to **Start Stream Explorer** points to a server used for training purposes that no longer exists.

To start Stream Explorer, open a terminal window and type:

```
cd /u02/oracle/fmw/config/domains/sx_domain/defaultserver/
```

followed by:

```
./startwlevs.sh
```

To use the Stream Explorer UI, you will need to wait a few moments more after you see the server started message.

When you see a message similar to:

```
Apr 05, 2016 12:47:37 PM
com.sun.jersey.server.impl.application.WebApplicationImpl
_initiate
INFO: Initiating Jersey application, version 'Jersey: 1.18
11/22/2013 01:21 AM'
```

then the SX UI is ready. You can use the URL: <http://localhost:9002/sx/login.html> and login in with username **wlevs** and password **welcome1**

- **Start Business Activity Monitoring:** Starts up the BAM managed server in the **soa\_domain**. Double-clicking on this shortcut will open a terminal window showing the server output. Do not close this window or the server will be killed! You can minimize the window and go back to it if you need to review the log at any time.
  - The server uses port 7005
  - You must start the SOA admin server before starting the BAM server.

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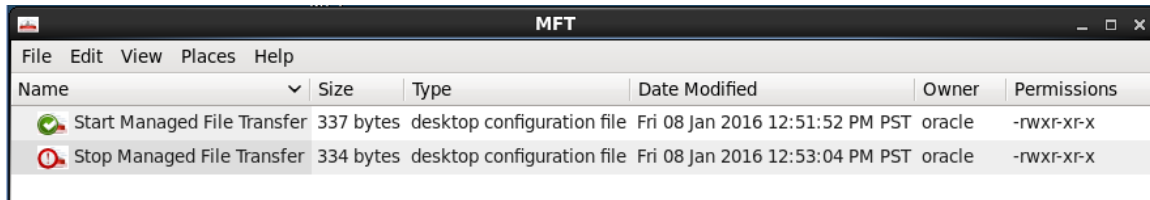
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- **Stop Business Activity Monitoring:** Shuts down the BAM managed server. Double-clicking on this shortcut will open a terminal window showing the output of the shutdown command. Do not close this window! Once this script has completed, both terminals will close automatically

### 4.1.2 Managed File Transfer (MFT)

Use this for any trial, training, demo with MFT.

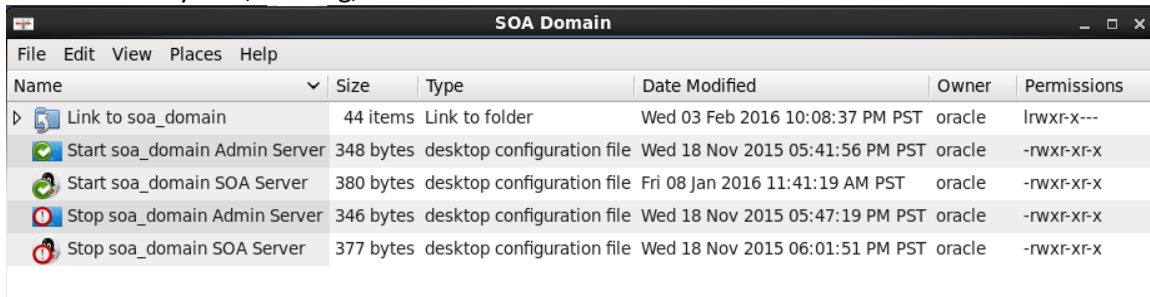


Name	Size	Type	Date Modified	Owner	Permissions
Start Managed File Transfer	337 bytes	desktop configuration file	Fri 08 Jan 2016 12:51:52 PM PST	oracle	-rwxr-xr-x
Stop Managed File Transfer	334 bytes	desktop configuration file	Fri 08 Jan 2016 12:53:04 PM PST	oracle	-rwxr-xr-x

- **Start Managed File Transfer:** Starts up the **mft\_domain**. Double-clicking on this shortcut will open a terminal window showing the server output. **Do not close this window or the server will be killed!** You can minimize the window and go back to it if you need to review the log at any time.
  - The server is configured as a “compact domain” and uses port 7901
- **Stop Managed File Transfer:** Shuts down the **mft\_domain**. Double-clicking on this shortcut will open a terminal window showing the output of the shutdown command. Do not close this window! Once this script has completed, both terminals will close automatically

### 4.1.3 SOA Suite

Use this for any trial, training, demo of SOA Suite.



Name	Size	Type	Date Modified	Owner	Permissions
Link to soa_domain	44 items	Link to folder	Wed 03 Feb 2016 10:08:37 PM PST	oracle	lrwxr-x---
Start soa_domain Admin Server	348 bytes	desktop configuration file	Wed 18 Nov 2015 05:41:56 PM PST	oracle	-rwxr-xr-x
Start soa_domain SOA Server	380 bytes	desktop configuration file	Fri 08 Jan 2016 11:41:19 AM PST	oracle	-rwxr-xr-x
Stop soa_domain Admin Server	346 bytes	desktop configuration file	Wed 18 Nov 2015 05:47:19 PM PST	oracle	-rwxr-xr-x
Stop soa_domain SOA Server	377 bytes	desktop configuration file	Wed 18 Nov 2015 06:01:51 PM PST	oracle	-rwxr-xr-x

- **Start soa\_domain Admin Server:** Starts up the **soa\_domain** admin server. Double-clicking on this shortcut will open a terminal window showing the server output. Do not close this window or the server will be killed! You can minimize the window and go back to it if you need to review the log at any time.
  - The server is configured as a “expanded domain” and uses port 7001 for the admin server.
- **Start soa\_domain SOA Server:** Starts up the **soa\_domain** SOA managed server. Double-clicking on this shortcut will open a terminal window showing the server output. Do not

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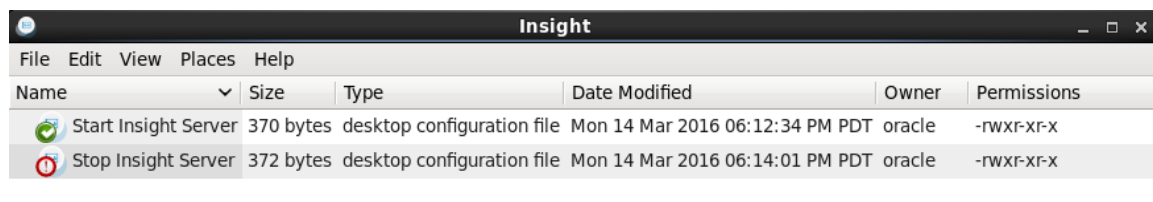
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close this window or the server will be killed! You can minimize the window and go back to it if you need to review the log at any time.

- The server is configured as a “expanded domain” and uses port 8001 for the SOA server.
- **Stop soa\_domain Admin Server:** Shuts down the **soa\_domain** admin server. Double-clicking on this shortcut will open a terminal window showing the output of the shutdown command. Do not close this window! Once this script has completed, both terminals will close automatically.
- **Stop soa\_domain SOA Server:** Shuts down the **soa\_domain** SOA managed server. Double-clicking on this shortcut will open a terminal window showing the output of the shutdown command. Do not close this window! Once this script has completed, both terminals will close automatically.

### 4.1.4 Real-Time Integration Business Insight

Use this for any trial, training, demo of Real-Time Integration Business Insight.



Name	Size	Type	Date Modified	Owner	Permissions
 Start Insight Server	370 bytes	desktop configuration file	Mon 14 Mar 2016 06:12:34 PM PDT	oracle	-rwxr-xr-x
 Stop Insight Server	372 bytes	desktop configuration file	Mon 14 Mar 2016 06:14:01 PM PDT	oracle	-rwxr-xr-x

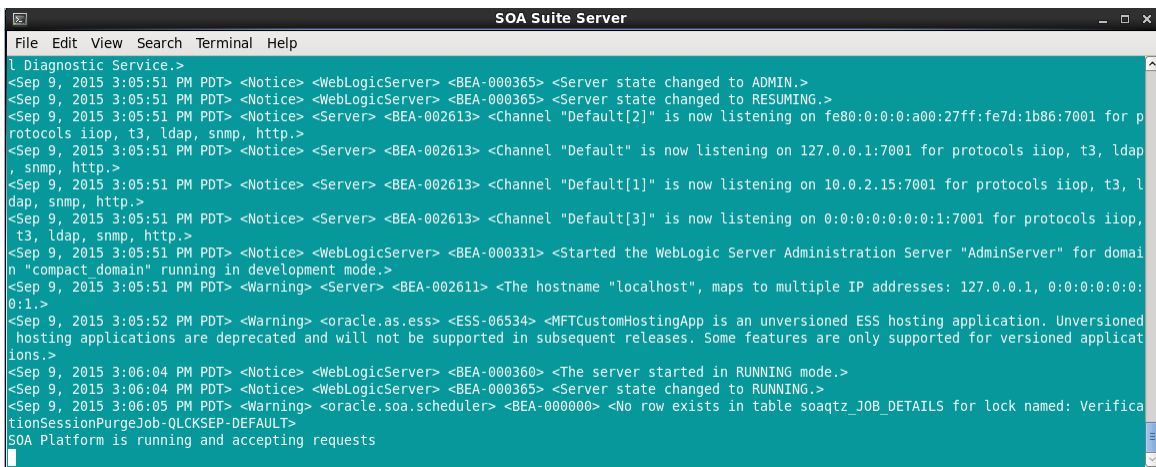
- **Start Insight Server:** Starts up the compact SOA domain with Insight server and agents. Double-clicking on this shortcut will open a terminal window showing the output of the shutdown command. Do not close this window! Once this script has completed, the terminal will close automatically.
- **Stop Insight Server:** Shuts down the compact SOA domain with Insight server and agents. Double-clicking on this shortcut will open a terminal window showing the output of the shutdown command. Do not close this window! Once this script has completed, the terminal will close automatically.

Once you have selected the appropriate server to start and its startup is completed, you will see an appropriate message in the terminal window indicating that the server is started.

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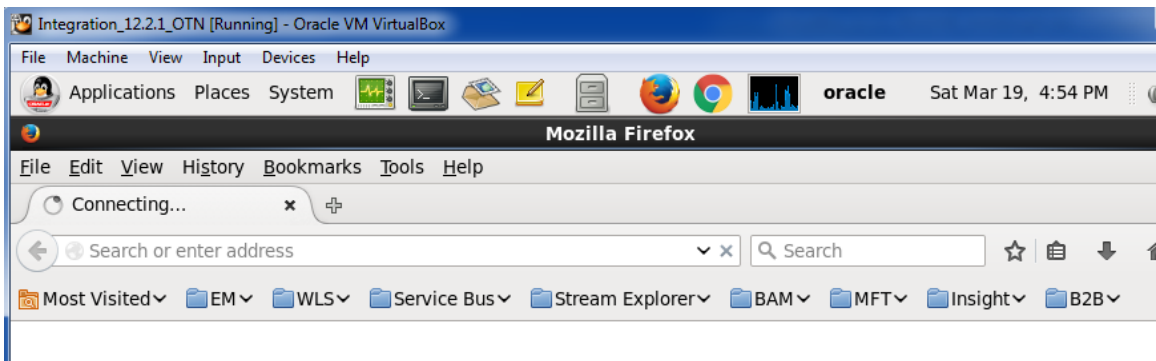
```
SOA Suite Server
File Edit View Search Terminal Help
l Diagnostic Service.>
<Sep 9, 2015 3:05:51 PM PDT> <Notice> <WebLogicServer> <BEA-000365> <Server state changed to ADMIN.>
<Sep 9, 2015 3:05:51 PM PDT> <Notice> <WebLogicServer> <BEA-000365> <Server state changed to RESUMING.>
<Sep 9, 2015 3:05:51 PM PDT> <Notice> <Server> <BEA-002613> <Channel "Default[2]" is now listening on fe80:0:0:a00:27ff:fe7d:1b86:7001 for p
rotocols iiop, t3, ldap, snmp, http.>
<Sep 9, 2015 3:05:51 PM PDT> <Notice> <Server> <BEA-002613> <Channel "Default" is now listening on 127.0.0.1:7001 for protocols iiop, t3, ldap
, snmp, http.>
<Sep 9, 2015 3:05:51 PM PDT> <Notice> <Server> <BEA-002613> <Channel "Default[1]" is now listening on 10.0.2.15:7001 for protocols iiop, t3, l
dap, snmp, http.>
<Sep 9, 2015 3:05:51 PM PDT> <Notice> <Server> <BEA-002613> <Channel "Default[3]" is now listening on 0:0:0:0:0:0:1:7001 for protocols iiop,
t3, ldap, snmp, http.>
<Sep 9, 2015 3:05:51 PM PDT> <Notice> <WebLogicServer> <BEA-000331> <Started the WebLogic Server Administration Server "AdminServer" for domain
"compact_domain" running in development mode.>
<Sep 9, 2015 3:05:51 PM PDT> <Warning> <Server> <BEA-002611> <The hostname "localhost", maps to multiple IP addresses: 127.0.0.1, 0:0:0:0:0:0:
0:1.>
<Sep 9, 2015 3:05:52 PM PDT> <Warning> <oracle.as.ess> <ESS-06534> <MFTCustomHostingApp is an unversioned ESS hosting application. Unversioned
hosting applications are deprecated and will not be supported in subsequent releases. Some features are only supported for versioned applicat
ions.>
<Sep 9, 2015 3:06:04 PM PDT> <Notice> <WebLogicServer> <BEA-000360> <The server started in RUNNING mode.>
<Sep 9, 2015 3:06:04 PM PDT> <Notice> <WebLogicServer> <BEA-000365> <Server state changed to RUNNING.>
<Sep 9, 2015 3:06:05 PM PDT> <Warning> <oracle.soa.scheduler> <BEA-000000> <No row exists in table soaqtz_JOB_DETAILS for lock named: Verifica
tionSessionPurgeJob-QLCKSEP-DEFAULT>
SOA Platform is running and accepting requests
```

You may now want to minimize the terminal window to avoid accidentally closing it.

You can open the Firefox browser by clicking the Firefox icon in the menu bar



You will see bookmarks for easier access of consoles:



You can also use your browser on your host machine (using "localhost") as the ports are all mapped through NAT on the VM configuration.

## 4.2 Using JDeveloper on the Appliance

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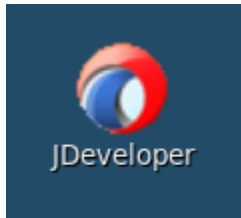
# Oracle SOA Suite VirtualBox Appliance

## Oracle SOA Suite VirtualBox Appliance

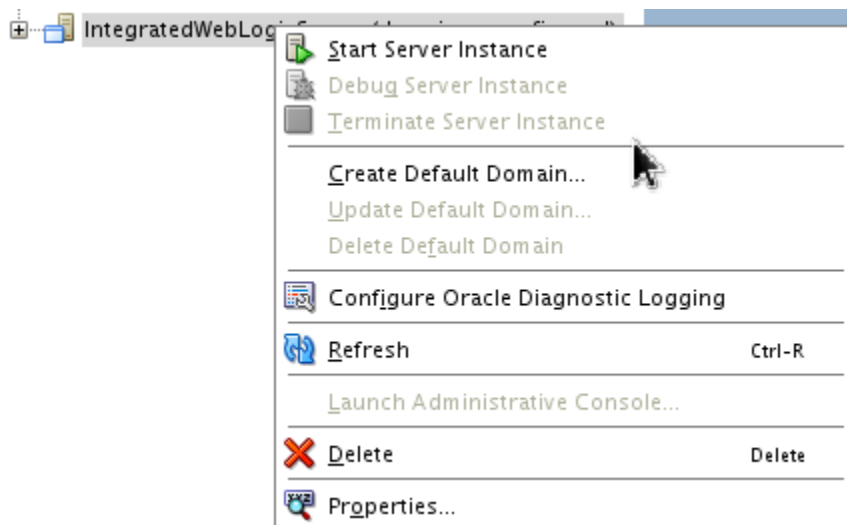
---

One of the key features of SOA Suite 12c is that the SOA QuickStart allows you to get started and running with JDeveloper and SOA Suite. If you have already installed JDeveloper on your host machine and would like to connect to the SOA Suite server on the VM, the ports are mapped on the VM configuration.

If you choose, you can also use JDeveloper that is installed in the VirtualBox Appliance. You can launch JDeveloper by simply double-clicking on the JDeveloper icon on the desktop.



- Note: The Application server connection for the SOA domain has been created for you. The IntegratedWebLogicServer domain is not configured, but you can create it by right-clicking and selecting "Create Default Domain"



This will create an integrated domain with port 7101 (or any other port you choose). While this would not conflict with the SOA domain, you should make sure to allocate appropriate resources to the VM if you wish to do this.

### 4.3 Working with the Oracle Database

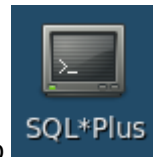
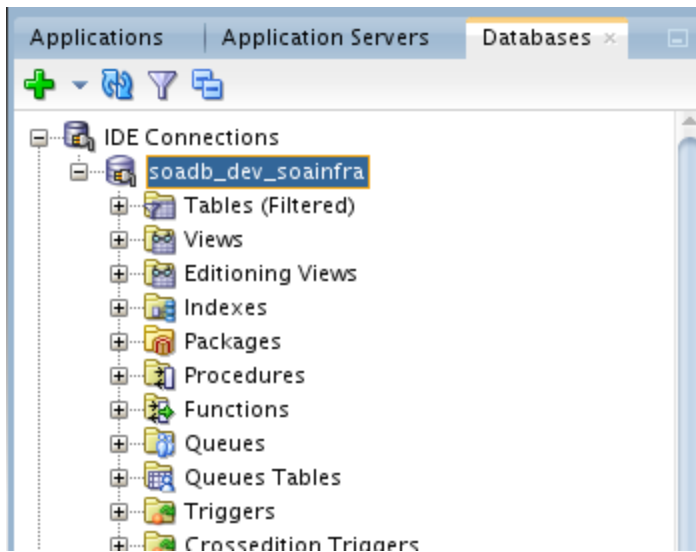
If for any reason you need to access the database, you can either do so through JDeveloper

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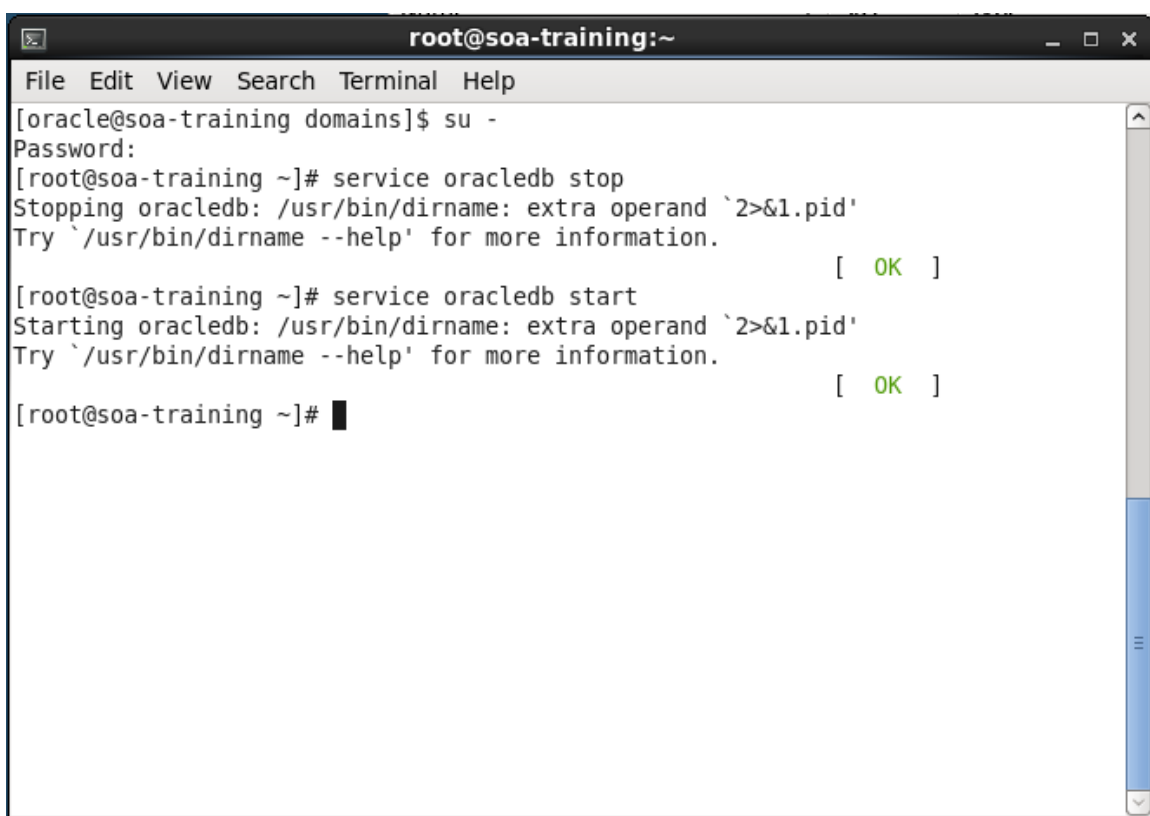
or through the SQL\*Plus prompt on the desktop

Using the SQL\*Plus prompt will open SQL plus logged in as **sysdba** role.

The database automatically starts/stops with the guest OS machine as a service. If for any reason you need to start or stop the database service (including listener) then open a terminal and perform the following:

- Switch to the root user by entering "su -" without the quotes
- When prompted, enter the password "oracle" without the quotes
- To stop the database, make sure you have already stopped any running servers (SOA Suite, , etc) and then enter "service oracledb stop" without the quotes
- To start the database, enter "service oracledb start" without the quotes

## Oracle SOA Suite VirtualBox Appliance



```
root@soa-training:~  
File Edit View Search Terminal Help  
[oracle@soa-training domains]$ su -  
Password:  
[root@soa-training ~]# service oracledb stop  
Stopping oracledb: /usr/bin/dirname: extra operand `2>&1.pid'  
Try `/usr/bin/dirname --help' for more information. [ OK ]  
  
[root@soa-training ~]# service oracledb start  
Starting oracledb: /usr/bin/dirname: extra operand `2>&1.pid'  
Try `/usr/bin/dirname --help' for more information. [ OK ]  
  
[root@soa-training ~]# █
```

## Oracle SOA Suite VirtualBox Appliance

# Oracle SOA Suite VirtualBox Appliance

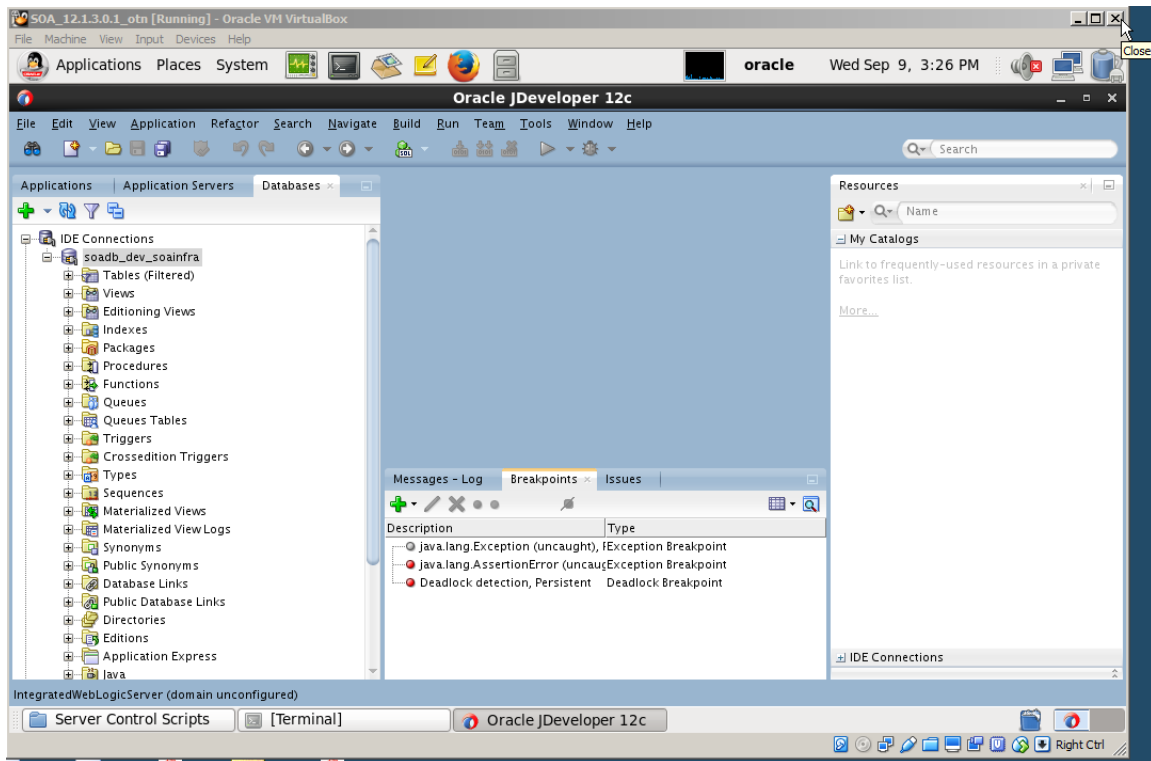
## Stop/shutdown the Appliance

When you want to stop the image you have two options:

### 4.4 Save the machine state

This option is much faster than completely shutting down. You can leave everything open and running and the state of the image is saved.

- Click on the **X** at the top right of your VirtualBox window



- Choose “Save the machine state”



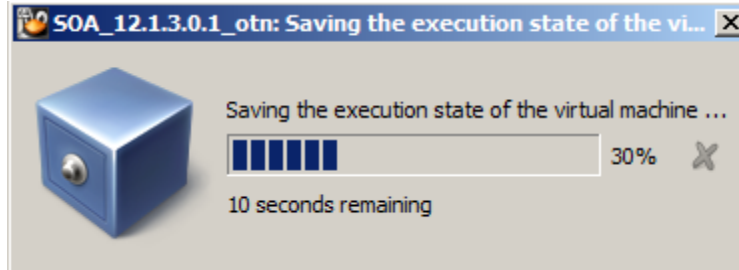
# Oracle SOA Suite VirtualBox Appliance



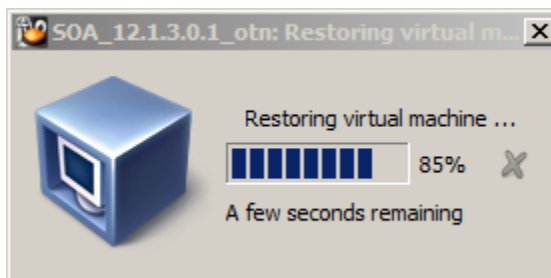
## Oracle SOA Suite VirtualBox Appliance

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- Click **OK**



- The Oracle VM VirtualBox Manager shows the image as **"Saved"**
- If you want to start the image again, click on **Start** as you would also do after a shutdown

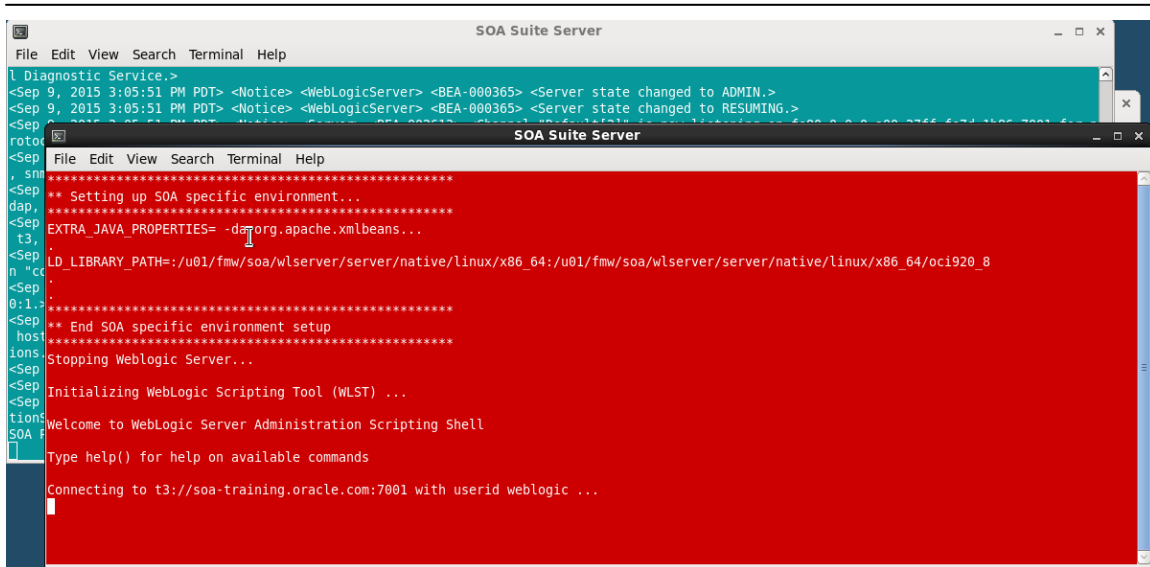


- You will see that the image is in exactly the same state as before you saved it

### 4.5 Shut down the image

Before shutting down the image, make sure that you have shut-down any running servers (SOA Suite Server, etc)

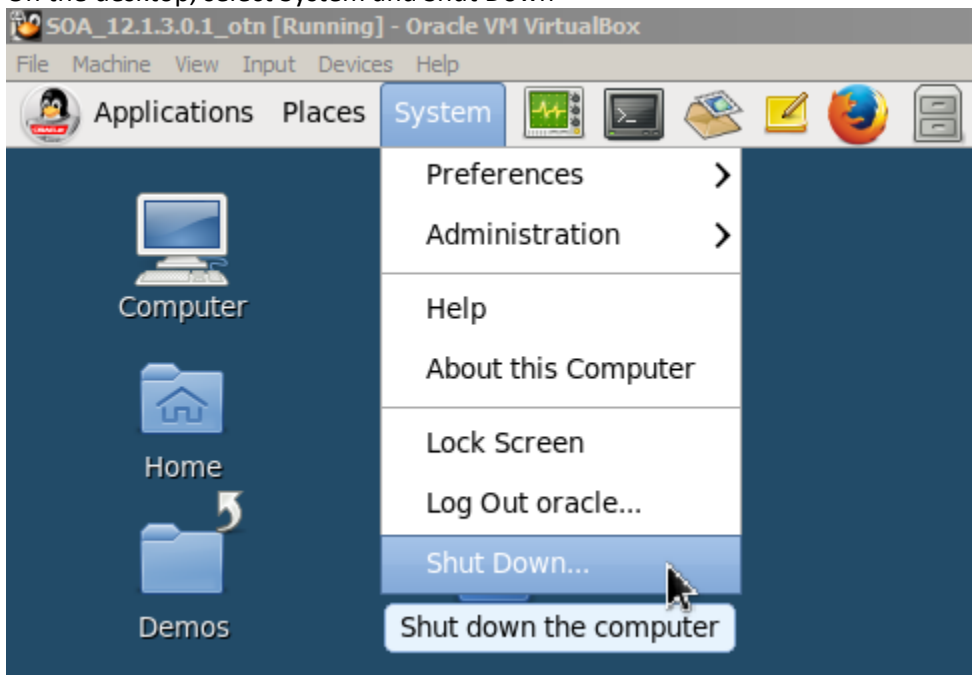
## Oracle SOA Suite VirtualBox Appliance



The image shows two overlapping terminal windows from the Oracle SOA Suite VirtualBox Appliance. The top window displays system logs with messages such as "Diagnostic Service.>", "WebLogicServer <BEA-000365> <Server state changed to ADMIN.>", and "WebLogicServer <BEA-000365> <Server state changed to RESUMING.>". The bottom window shows the process of setting up the SOA specific environment, including setting "EXTRA\_JAVA\_PROPERTIES=-dajorg.apache.xmlbeans..." and "LD\_LIBRARY\_PATH=:/u01/fmw/soa/wlserver/server/native/linux/x86\_64:/u01/fmw/soa/wlserver/server/native/linux/x86\_64/oci920\_8". It also shows the server being stopped, the WebLogic Scripting Tool (WLST) being initialized, and a connection to "t3://soa-training.oracle.com:7001 with userid weblogic ...".

- Don't worry about shutting down the database, it will shutdown automatically with the guest OS.

On the desktop, select System and Shut Down

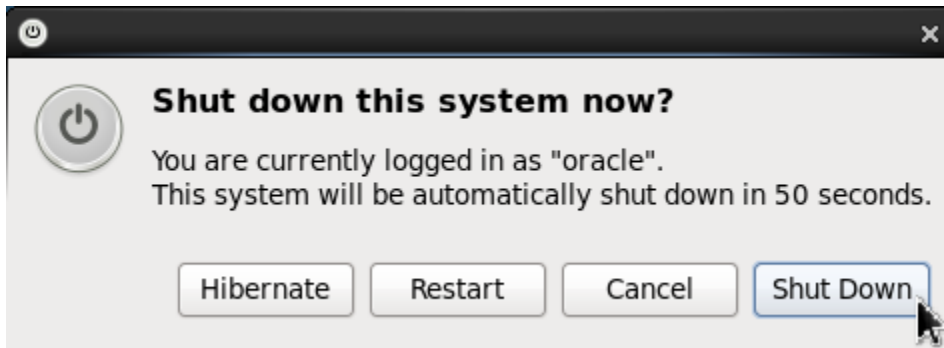


Confirm the shutdown

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## Oracle SOA Suite VirtualBox Appliance

## Oracle SOA Suite VirtualBox Appliance



You can watch the guest OS shutdown all of the services including the database

```
Shutting down...Stopping atd[ OK ]
Stopping cups: [ OK ]
Stopping sshd: [ OK ]
Shutting down postfix: [ OK ]
Stopping crond: [ OK ]
Stopping VirtualBox Guest Addition service [ OK ]
Stopping HAL daemon: [ OK ]
Stopping block device availability: Deactivating block devices:
[SKIP]: unmount of vg_soatraining-lv_root (dm-0) mounted on /
[ OK ]
Stopping NetworkManager daemon: [ OK ]
Stopping system message bus: [ OK ]
Stopping rpcbind: [ OK ]
Stopping auditd: [ OK ]
Shutting down system logger: [ OK ]
Shutting down loopback interface: [ OK ]
Stopping oracledb: /usr/bin/dirname: extra operand `2>&1.pid'
Try '/usr/bin/dirname --help' for more information.
```

Once it is complete, the window will close and the VirtualBox Manager will show the machine as powered off

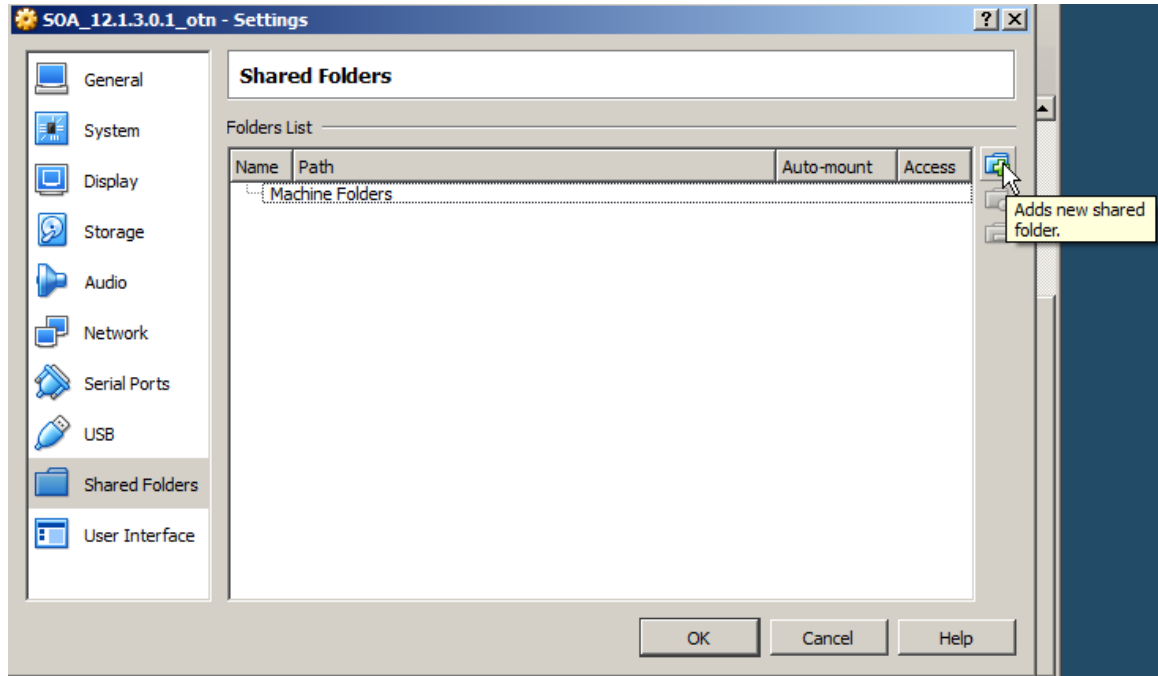
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## Oracle SOA Suite VirtualBox Appliance

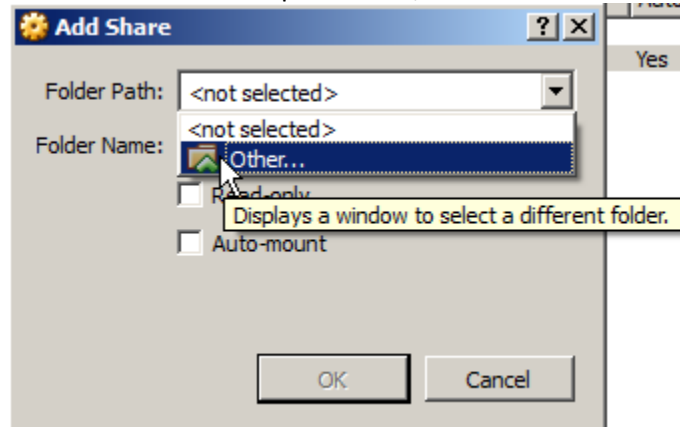
### 5 Set up a shared folder to move files between the VBox image and your local disk

You may want to copy files between the image and a local disk. This can easily be done through a shared folder following the steps below.

- Set up a shared folder on your laptop and remember the name, e.g. “share”
- In the image configuration, go to Shared Folders



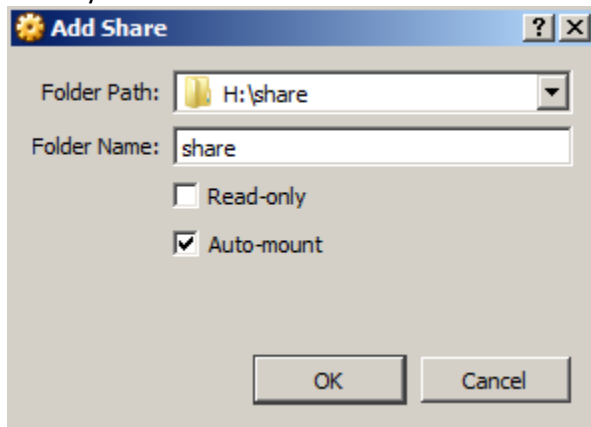
- Click Add a Share.
- In the **Folder Path:** drop-down list, choose **Other...**



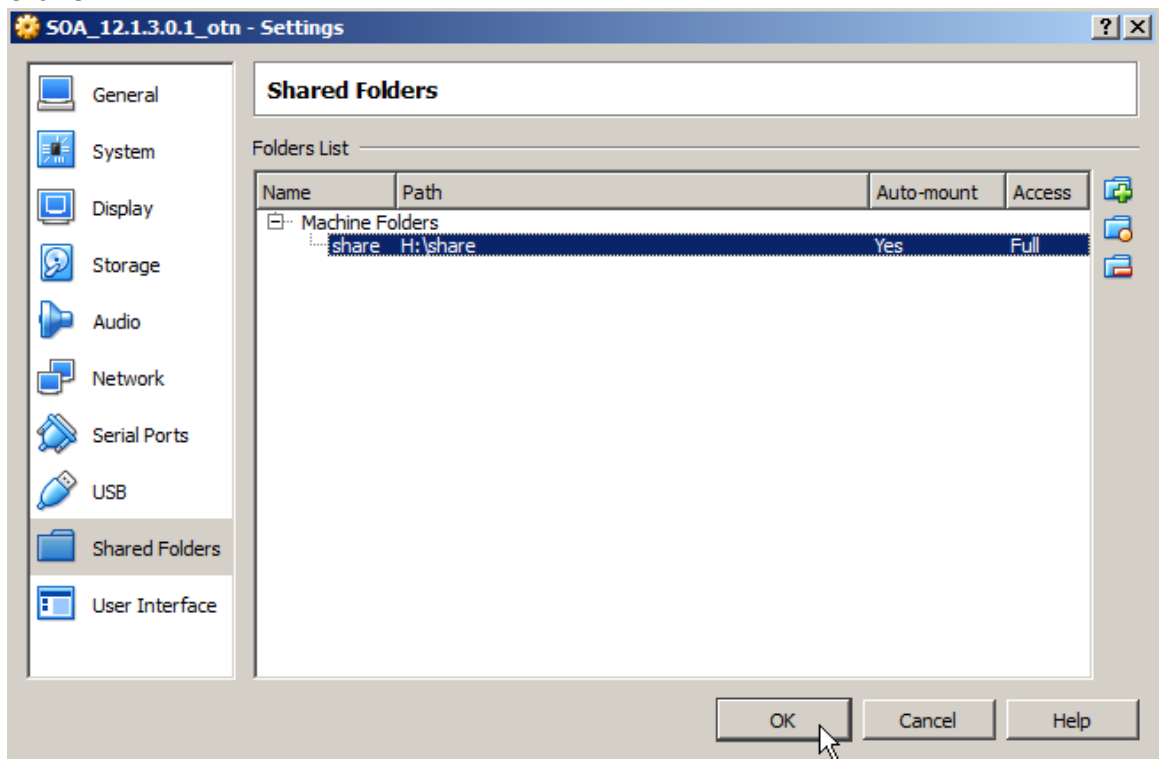
## Oracle SOA Suite VirtualBox Appliance

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- Select your local shared folder



- You can choose a different name or accept the default
- Select **Auto-mount**
- Click **OK**



- Click **OK**

---

## Oracle SOA Suite VirtualBox Appliance