VM Server Setup & Installation

The first step is to get a copy of the Windows server template drive file from the prior server. This is done by logging into the world or website server using RDP. In it open Chrome to the prior Server VMWare control. Open the Data store using the left navigation bar disk stack icon at the bottom, then the Datastore browser option.

12	localhost.localdomain - VMware ESX 🗙 🥜	localhost.localdomain - VMware ES 🗙 🕂		
÷	→ C ☆ ▲ Not secure 15	4.27.95.129/ui/#/host/storage/datastores		☆ 😩 :
 A	Apps			
vm	nware: ESXi"		wcurtice@154.27.95.129 - Help - 🧿	l Search 🔹
	localhost.localdomain - Storage			
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ator	datastore1	SSD 439.5 GB 1.41 GB	438.09 GB VMFS6 Supported	Single
avig	datastore2	Non-SSD 931.25 GB 1.42 GB	929.83 GB VMFS6 Supported	Single
Z ju	datastore3	Non-SSD 931.25 GB 398.71 GE	532.54 GB VMFS6 Supported	Single
a				3 items
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https://	//154.27.95.129/ui/			

Locate the WinReg.flat.vmdk file. If not where shown, it will be in one of the drives listed under WinRegTM folder. This file has two parts required to work together. This is the actual portion that contains the installed Windows OS set up for region simulator hosting. If it has the control file on it, it will appear as WinReg.vmdk. More about that later.

🥜 localhost.localdomain - VMware ES 🗙 🥜 localho	st.localdomain - VMware ES) 🗙	+		Le		23
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Task v Target	~ Initiator ~ Quei	ed v Started	✓ Result ▲	~ Comple	sted 👻	~
https://154.27.95.129/ui/						

Click on it to highlight it then on Download option.

The Save As dialog will open, select the DBBackup Drive. Its the only place large enough to do the copy required.

🧐 Save As							×
	→ DBBackup (E:)			- 🖾	Search DBBackup (E:)		- 🥺
Organize 🔻 New folder						•	0
E 🚖 Favorites	Name *	Date modified	Туре	Size			
Nesktop	WinReg.vmdk	4/18/2021 6:00 PM	VMDK File	1 KB			
i Downloads	WinReg23.vmdk	4/19/2021 5:08 PM	VMDK File	1 KB			
🖂 🔚 Libraries							
Documents Music							
E Pictures							
🗉 🛃 Videos							
🖃 🌉 Computer							
🗄 🚣 Local Disk (C:)							
DBBackup (E:) AssetBackup (F:)							
🗄 📬 Network 🗾							
File name: WinReg	g-flat.vmdk						•
Save as type: VMDK F	ile (*.vmdk)						•
Hide Folders				[<u>Save</u>	Cancel	

The file copy will take up to 20 minutes to do. Here you see two copies of the control files. The one for the WinRegflat.vmdk is the WinReg.vmdk file. It is a copy here that was for editing in case its needed. It is a simple descriptor text file to let VMWare know what is in and how to handle the flat file contents as a drive for a VM. Here is the file after it has been copied to DBBackup:

€: \				_ [×
Computer	▼ DBBackup (E:)	▼ 50	Search DBBackup (E:)		2
Organize 🔻 📄 Open N	lew folder) T 🕶 🖿	0
☆ Favorites	Name *	Date modified	Туре	Size	
🧮 Desktop	WinReg.vmdk	4/18/2021 6:00 PM	VMDK File	1 KB	
Downloads	WinReg23.vmdk	4/19/2021 5:08 PM	VMDK File	1 KB	
🗐 Recent Places	WinReg-flat.vmdk	5/3/2021 3:55 PM	VMDK File	62,914,560	
詞 Libraries					
Documents					
J Music					
Pictures					
Videos					
🖳 Computer					
🚢 Local Disk (C:)					
👝 DBBackup (E:)					
👝 AssetBackup (F:)					
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WinPog fat ym	ndk Date modified: 5/3/2021 2:55 DM	Date created: 5/2/2021 2:27 DM			
VMDK File	Size: 60.0 GB	Date created: 5/3/2021 3:37 PM	I		

Once the file has copied successfully, log out of this server.



Logon to the new server VMWare control in Chrome browser. Select Storage in the left side navigation, then the Datastore Browser.



The window opens to the first drive in the list. This is the SSD and the fastest drive on the server. Save significant amount of time on the upload - about 16 minutes vs nearly 1.5 hours! Select the Upload option.



Select the WinReg-flat.vmdx file to upload. Process will be about 16 - 20 minutes to complete.

🌀 Open							×
G → Computer → DBBackup (E:)							
Organize 🔻 New folder					:==	- 🔳 🤇	0
🔆 Favorites	Name ^	Date modified	Туре	Size			
🧮 Desktop	WinReg.vmdk	4/18/2021 6:00 PM	VMDK File	1 KB			
Downloads	WinReg23.vmdk	4/19/2021 5:08 PM	VMDK File	1 KB			
Recent Places	WinReg-flat.vmdk	5/3/2021 3:55 PM	VMDK File	62,914,560			
🥽 Libraries							
Documents							
Music Dictures							
Videos							
Computer							
DBBackup (E:)							
AssetBackup (F:)							
0							
Network							
File n	ame: WinReg-flat.vmdk			•	All Files (*.*)	•	-
						Connect	-
					<u>U</u> pen	Cancel	

File upload has completed and you will see this:



Reference your Spreadsheet documentation for the new server entry. You will need to create those server entries as folder names in VMWare. Example:

6	gem X Powerful tools X	🕉 Time Log - Pro 🗙 🚹 end	hanted gria 🗙 🔕 Adminis	tration × +	0	
4	→ C ↑ docs.google.com/spres	adsheets/d/1Efry6mwuiJCxDv	w7X LWzAUPXkdiE6aR5XP7	UpTI4JWO	0 @ 1	• O =
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A21	$\cdot \mid f_X \mid$					
	A	В	C	D	E	F
1	Enchanted World Grid Server	Plan				
2						
3	Net Mask	255.255.255.128	Base region cost	\$3.36		
4	Gateway IP	154.27.74.125				
5						System &
6	Server Option:	External IP	Internal IP	vCPUs	Memory GB	SSD ds1 G
56	E Sever 16 CPU Host #4					
57	WhipS03	<no-ip></no-ip>	10.0.0.8	2	4	
58	MySQLRDB03	<no-ip></no-ip>	10.0.0.13	2	4	
59	WinReg24	154.27.95.140	10.0.0.124	3	4	
60	WinReg25	154.27.95.141	10.0.0.125	3	4	
61	WinReg26	154.27.95.142	10.0.0.126	3	4	
62	WinReg27	154.27.95.143	10.0.0.127	3	4	
64	WinReg28	154.27.95.144	10.0.0.128	3	4	
65	WinReg29	154.27.95.145	10.0.0.129	3	4	
66	WinReg31	154.27.95.140	10.0.0.131	3	4	
67	Ubuntu VM Template	134.27.33.147	10.0.0.101	Allowed 2	Allowed 3	
68	WinReg VM Template	154,27,95,138		Allowed 3	Allowed 4	
69						========
70			Used Totals	28	40	
71			50000000000000000000000000000000000000			
72	RESERVE SPACE FOR ADDED SERVERS					
73						
74						
75				1		
76	VMWare ESXi Accounts	Password	Status	Note		
70	https://154.27.74.84/ui/#/host/vms	2520/ 17-0#6-0	Disabled			
70	https://154.27.74.101/ui/#/bost/ums	3F2%1200#IyQ	Disabled			
80	root	idl%kMslbd%4	Disabled			
81	https://154.27.74.129/ui/#/bost/vms	Jan Jan Manana 104				
82	root	BUh1LzflEAJ#	Disabled			
00						lattes
						land F.

This example is for E Server 16 CPU Host #4. Use the entry you actually are setting up.

Select datastor3 drive by clicking on the entry. Then use the Create directory option.



All the folders for each of the VMs in the list have been created in datastore3.



Select datastore1. Click on the WinReg-flat.vmdk file to highlight it. Click on the Copy option.



In the copy window select the datastore3 drive, then the WinRegTM folder and click copy. This will place the drive to allow it to make the WinRegTM VM to allow it to be updated when needed.



File copy time will be about 20-30 minutes. Platter drive is slower than the SSD.

Now We need to upload the WinReg.Vmdk control file to the same place. With datastore3 drive selected and the WinRegTM folder, click on the upload option:



Select the WinReg.vmdk file to upload.

🌀 Open								×
Computer	▼ DBBackup (E:)			• [Search DBBackup) <mark>(</mark> E:)		2
Organize 🔻 New folder						•		?
🔶 Favorites	Name ^	Date modified	Туре	Size				
🧮 Desktop	🧭 WinReg.vmdk	4/18/2021 6:00 PM	VMDK File		1 KB			
🍺 Downloads 🗐 Recent Places	WinReg23.vmdk	4/19/2021 5:08 PM	VMDK File		1 KB			
📜 Libraries								
Music								
Pictures								
Videos								
🖳 Computer								
Local Disk (C:)								
AssetBackup (F:)								
Network								
File na	ame: WinBeg ymdk				All Files (*.*)			-
The <u>H</u> e				_				
					<u>U</u> pen		ancel	

This will take about a second or two to upload.

There are some more steps to creating the other VM drives that will be covered in the "WinReg Virtual Machine Setup" chaper.

Processing and uploading the WinReg##.vmdk files for each VM in the list:

Now more about the WinReg.vmdk file. This text file needs to be changed where it is in the world or web server you are using. In the display of the drive shown in page 3 and was mentioned there for later reference. There was also a numbered version of that file as WinReg23.vmdk shown. Rename that file by Increment that files number for the next VM you are creating. Open the file by double clicking on it. Also update the number of the filename for the flat.vmdk entry as indicated in this picture. Save the file.

🍊 Pro	grammer's Notepad - [WinReg24.vmdk *]			
Ei	le <u>E</u> dit <u>S</u> earch <u>V</u> iew <u>T</u> ools <u>W</u> indow <u>H</u> elp			- E ×
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Provide the second s	<pre>grammer's Notepad - [WinReg24.wmdk*] le</pre>			
•	±			
[9:26] :	25 Modified ANSI LF INS 2 character(s) selected.			đ

Select the datastore3 drive and click on the first WinReg## (like WinReg24) folder that you have. Then select the upload option. Choose the WinReg## entry you edited. Upload it.



Select the edited file to upload:

🌀 Open							×
Computer + DBBackup (E:) + Computer + DBBackup (E:)							2
Organize 🔻 New folder					:==	- 🔳 (?
☆ Favorites	Name ^	Date modified	Туре	Size			
🧮 Desktop	WinReg.vmdk	4/18/2021 6:00 PM	VMDK File	1 KB			
Downloads	WinReg24.vmdk	5/3/2021 6:57 PM	VMDK File	1 KB			
and recent naces							
📜 Libraries							
Music							
Pictures							
Videos							
🖳 Computer							
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DBBackup (E:) AccestRadup (E:)							
Assetbackup (i .)							
🙀 Network							
File	name: WinReg24.vmdk			•	All Files (*.*)	•	-
					Onen	Cancel	1
						cancer	

File has been uploaded to the folder.



Repeat these steps for each of the WinReg## folders you have and upload to each matching folder.

Do not copy the WinReg-flat.vmdk file to the rest of the VM folders yet!

The next chapter will cover how to create the VMs and test the WinRegTM before creating all the rest of the VMs to reduce the time in setting them up should any Windows Updates need to be applied.

Next Chapter: Creating Virtual Machines.