WinReg Virtual Machine Setup

This chapter covers how to set up the virtual machines for Halcyon simulator operation.

The region host simulators are set up in nearly the same way as the WinRegTM was in "Creating Virtual Machines". where the name must match the folder its drive file is in. Like this one:



Once the VMs in the server have been created, right click on the VM name, hover over Power, then click on Power on.

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Use the VMWare Console window to set up the server for operation.

After logon, open the My Computer icon, select Network in the left side options. Then select the Network and Sharing Center button in the top options bar. When that opens, click on the LocalNet entry to open its window:



Click on its Properties button to open that window. Click on the Internet Protocol Version 4 (TCP/IP) entry.

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Click on the Properties button to open it.

In the server doc spreadsheet look at the Internal IP address assignment. Remember it as it wont copy / paste.

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62	WinReg27	154.27.95.143	10.0.0.127	3	4	
63	WinReg28	154.27.95.144	10.0.0.128	3	4	
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Put in the assigned IP address in the last 3 digits.

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Click on OK for each of the three opened windows. Then click on the Internet entry.

Click on the Properties button, to open its window.



Click on the Internet Protocol Version 4 (TCP/IP) entry. Then on the properties button.

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Networking Sharing Connect using:	Internet Protocol Version 4 (TCP/IPv4) Properties IPv4 C IPv5 C General You can get IP settings assigned automatically if your network suppor this capability. Otherwise, you need to ask your network administrato for the appropriate IP settings. Det © Qbtain an IP address automatically © Uge the following IP address: IP address: 154 . 27 . 95 . 140 Subnet mask: 255 . 255 . 255 . 128 Default gateway: 154 . 27 . 95 . 253 Bytes: © Obtain DNS server address automatically © Use the following DNS server addresses: Prop Prop Preferred DNS server: 8 . 8 . 4 . 4 Alternate DNS server: 8 . 8 . 8 . 8 Validate settings upon exit Adyanced.	
See also Internet Options Windows Firewall	OK Car	
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Put in the assigned internet IP address for this VM server. Click the OK on each of the three windows to close them. in the Network and Sharing window address bar click on the "All Control Panel Items" to access its display.

Click on the System entry.

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Click on the Change settings link next to the computer name.



When the properties window opens, click on the Change button.

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Change the name to the name of the server you are setting up like this:

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Computer Name/Domain Changes	×	a computor	4	0
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Click the OK button.

This dialog will open. Click OK.

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Click OK to close the two open windows.

Then click the "Restart Now" button.



At his point you can watch the console window as the server reboots and again asks for your logon. You may now use Remote Desktop to logon to the server with Administrator account. Close the Console window.

Open the My Computer icon:



Click on the SoftwareInstalls drive, Then open the GridHost, then RegHostSetup folders. Copy the MakeGrid.bat, Region.ini and trustednetworks.ini files.



Open the Local Disk (C:) drive, and its Grid folder. Paste the files there.



_ 0 <u>_ X</u> 🗴 👂 Powerful i 🗙 🎯 Time Log 🗙 📑 enchanted 🗙 🎯 Administri 🗙 🥜 localhost. 🗙 (+) 🐻 gem 0 🗧 🔶 C 🏠 🔒 docs.google.com/spreadsheets/d/1Efry6mwujJCxDw7X_LWzAUPXkdiE6qR5XP7UpTI4JWQ... 😭 🚺 🎡 ÷ 奔 🏢 Apps 📙 Website Developm... 📃 Home Development 📃 BibleStudyResources 📃 Second Life » Other bookmarks 🔠 Reading list enchanted grid 🕸 🙆 🙆 Share ΞÐ File Edit View Insert Format Data Tools Add-ons Help Last edit was seconds ago 🕋 🖶 🏲 100% 🗸 \$ % .0_ .00_ 123 - Default (Ari... - 10 • B I S A n ♦. ⊞ 53 + … ~ ⋆ fx 9800-9809 M59 A J K L М **Enchanted World Grid Server** 1 2 3 Net Mask 4 Gateway IP 5 6 Server Option: HD4 (spare slot HD5 (spare slot Regions Region Port Assignment 44 WinReg17 9710-9719 45 WinReg18 9720-9729 46 WinReg19 9730-9739 47 WinReg20 9740-9749 48 WinReg21 9750-9759 49 WinReg22 (water) 10200-10229 50 WinReg23 (water) 10230-10259 51 Ubuntu VM Template 52 WinReg VM Template 53 ================== 54 0 55 56 E Sever 16 CPU Host #4 57 WhipS03 MySQLRDB03 58 59 WinReg24 10 9800-9809 60 WinReg25 10 9810-9819 61 WinReg26 10 9820-9829 62 WinReg27 10 9830-9839 63 WinReg28 10 9840-9849 64 WinReg29 10 9850-9859 65 WinReg30 30 10300-10329 66 WinReg31 30 10330-10359 67 Ubuntu VM Template 68 WinReg VM Template 69 _____ 70 120 71 4 1 ÷ Server details + How to do auto backups 👻 Oars to n 🧃 Þ <

Check the server setup spreadsheet for the port range assignment on the server.

Open the Command Prompt icon. Put in the makegrid command with the port range prefix numbers. This case - that is 980 and 9. This means the ports will be in the 9800 - 9809 range. Type the enter key. the batch file will start creating the folders by their port number names. It also creates each ones Region.ini file and needed configuration data in each folder.

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Computer		👻 🚱 Se	arch Grid	<u>2</u>	
Organize 🔻 Include in libra	ry 🔻 Share with 👻 New folde	er .		E • 🔟 🔞	
	Name *	Date modified	Type	Size	
Image: Additional state in the state in	GridBatchFiles GridBatchFiles MakeGrid.bat Region.ini trustednetworks.txt mmand Prompt Command Prompt Dws [Uersion 6.1.7601] 2009 Microsoft Corporat id 980 9_	3/15/2021 4:17 PM 2/26/2021 4:10 AM 3/2/2021 5:50 PM 5/4/2021 2:53 AM	File folder Windows Batch File INI File TXT File	2 KB 2 KB 1 KB	. His
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4 items					
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×					- 1. ₁₁

When it has completed it will place the Update.bat file in the folder.

🍓 154.27.95.140 - Re	emote Desktop Connection	and the subscription of the local division o	and the second division of the second divisio	_		x
	🕌 Grid					~
2 1342/135.140 - Renote Desktop Connection Image: State of the state o			2			
	Organize 🔻 🐻 Open Prir	nt New folder		100	• 🔟 🔞	
8	Favorites	Name *	Date modified	Type S	ize	
	🔜 Desktop) 9800	5/4/2021 2:59 AM	File folder		
	Downloads	9801	5/4/2021 2:59 AM	File folder		
	🔛 Recent Places	9802	5/4/2021 2:59 AM	File folder		
	C I hearing) 9803	5/4/2021 2:59 AM	File folder		
	Documents	<u> </u> 9804	5/4/2021 2:59 AM	File folder		
		9805	5/4/2021 2:59 AM	File folder		
	Pictures	9806	5/4/2021 2:59 AM	File folder		
	Videos	<u>)</u> 9807	5/4/2021 2:59 AM	File <mark>fold</mark> er		
Administrator		9808	5/4/2021 2:59 AM	File folder		
U:\GridHost\(Computer	9809	5/4/2021 2:59 AM	File folder		
V:\GridHost\ V:\GridHost\	SoftwareInstalls (\\Wi	🐊 Bin	5/4/2021 2:59 AM	File folder		
V:\GridHost\ V:\GridHost\	•	퉬 GridBatchFiles	3/15/2021 4:17 PM	File folder		
V:\GridHost\0 V:\GridHost\0	🙀 Network	🚳 Halcyon.bat	3/16/2021 11:25 AM	Windows Batch File	1 KB	
U:\GridHost\ U:\GridHost\		🚳 MakeGrid.bat	2/26/2021 4:10 AM	Windows Batch File	2 KB	
U:\GridHost\0		Region.ini	3/2/2021 5:50 PM	INI File	2 KB	
U:\GridHost\		🚳 SetPorts4User.cmd	5/4/2021 2:59 AM	Windows Command	1 KB	
U:\GridHost\		trustednetworks.txt	5/4/2021 2:53 AM	TXT File	1 KB	
407 File(s)		🚳 Update.Bat			2 kG	
1 File(s) co Cleanup. U:\GridHost\(V:\GridHost\) 2 fi C:\Grid>	Update.Bat Windows Batch File	Date modified: 3/15/2021 1:59 PM Size: 1.06 KB	Date created: 5/4/2021 2:59 AM			1
		SIZE: 1.06 KB				
Start 🚳	Grid	Programm	ers Not Administrator: Com			
•	III	4				- 1. III

Open the Programmers Notepad program using is task bar icon. Drag the Update.bat file into it for editing.

Change the port number prefix in line 5 as shown to be the same as the Port number assignment. The last digit is the 0-9 values process by the for command.

log 15	4.27.95.1	140 - Remote Desktop Connection	
	🎸 Prog	grammer's Notepad - [Update.Bat]	-
	Eile Eile	Edit Search View Iools Window Help	
) 🔚 🕼 🖄 🥥 🍘 👘 🕅 Batch Files 💽 🌁 🚺 🗾 🏦 Find 🔸	
	Update	e.Bat	
	1	@Echo off	
	2	if "%1" == "" goto Error	
	4	: Upgrade regions in this server	
	5	ofor /L %%i in (0,1,9) Do call :Update %1 950%%i	
	7	@Echo Update Done!	
	8	goto Done	
	9 10	:Error	
	11	<pre>@Echo Missing Halcyon version folder location parameter!</pre>	
	12	Goto Done	
	14	:Error2	
	15	<pre>@Echo %2 folder does not exist.</pre>	
	17	Goto Done	
	18		
	19 20	if not exist %2\nul goto Error2	
	21	@Echo Processing %2 folder.	
	22	CD %2 if not exist HalcyonConfigs\nul_MKDic HalcyonConfigs	=
	24	Save region config files	
	25	<pre>@Echo Save region config files</pre>	
	20	if exist Halcyon.ini copy Halcyon.ini HalcyonConfigs	
	28	if exist Region.ini copy Region.ini HalcyonConfigs	
	29 30	copy Halcyon.log HalcyonConfigs	
	31	:Remove files	
	32	@Echo Removing old files	
	34	if exist cache\nul Del cache*.* /q	
	35	Del data*.* /q	
	37	Del ScriptEngines*.* /q	
	38	Del Terrain*.* /q	
	39 40	AEcho copying new files	
	41	xcopy V:\GridHost\%1*.* /s	
	42	copy HalcyonConfigs*.*	
	44		
	45	:End Update	
	47	:Done	
	48		
			-
- A		m	

Save (ctrl S) and close the batch file. (ctrl w). Leave Programmer's Notepad open as it will be used to edit several more files later.

Open the SoftwareInstalls drive again, then the GridHost folder. Copy the name of the most recent Halcyon version folder there.



Open the Command Prompt window and type in the Update with a space and paste (right click menu option) the Halcyon folder name:



While that process is busy loading Halcyon program files to each of the simulator folders, you can open SoftwareInstalls and GridHost folder, then the RegHostSetup folder. Copy the Halcyon.ini file.

5 154.27.95.140 - Rem	ote Desktop Connection	1000			
Recycle Bin Compute Shortcu	r - Command Prompt				
	RegHostSetup				
	🌀 🔵 🗢 📕 🔹 SoftwareIn	stalls (\\WinWeb) (V:) + GridHost	• RegHostSetup • • 😧 S	earch RegHostSetup	2
	Organize 🔻 🎸 Open 🝷	New folder		1	= - 🛄 📀
	🚖 Favorites	Name *	Date modified	Туре	Size
	E Desktop	퉬 UbuntuGrid	4/18/2021 8:37 PM	File folder	
	Downloads Recent Places	Ju WinGrid	3/2/2021 11:11 AM	File folder	
	A cectri laces	Halcyon.ini	4/19/2021 2:30 PM	INI File	25 KB
	Libraries	MakeGrid bat	2/26/2021 2:16 AM	1XT File Windows Batch File	2 KB
	Documents	Region.ini	3/2/2021 5:50 PM	INI File	2 KB
ov. Administrator: Co	Pictures	trustednetworks.txt	4/18/2021 8:36 PM	TXT File	1 KB
V:\GridHost\Hal ae3aaed.asset	Videos				
U:\GridHost\Ha] 36Bffc7.asset U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] U:\GridHost\Ha] Q2 File(s) cop HalcyonConfigs 202 File(s) cop HalcyonConfigs 2 file Update Done! C:\Grid>	Computer Local Disk (C:) SoftwareInstalls (\\Win Network				
	Halcyon.ini Date INI File	modified: 4/19/2021 2:30 PM Size: 24.2 KB	Date created: 4/19/2021 2:29 PM		
4	m				
U					-

Paste it in the C:\Grid folder.

Recycle Bin Comput Shorta	er - Command ut Prompt Grid ← ○ ⇒ <mark> → Computer →</mark>	• Local Disk (C:) 🔹 Grid 👻	▼ 🔯 Se	arch Grid	
	Organize 🔻 鎽 Open 🔹	New folder		Į	· • 🔟 🞯
	Favorites	Name *	Date modified	Туре	Size
Administrator. Co U:\GridHost\Hal ae3aaed.asset U:\GridHost\Hal 368ffc7.asset U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal U:\GridHost\Hal DefaultEffects 202 File(s) cop HalcyonConfigs\ H	 Desktop Downloads Recent Places Libraries Documents Music Pictures Videos Computer Local Disk (C:) SoftwareInstalls (\\Wir Network 	 9800 9801 9802 9803 9804 9805 9806 9807 9808 9809 Bin GridBatchFiles Halcyon.bat Halcyon.ini SetPorts4User.cmd trustednetworks.txt Update.Bat 	5/4/2021 3:04 AM 5/4/2021 3:04 AM 3/15/2021 4:17 PM 3/16/2021 11:25 AM 2/26/2021 4:10 AM 3/2/2021 5:50 PM 5/4/2021 2:59 AM 5/4/2021 2:59 AM 5/4/2021 3:02 AM	File folder File folder INI File Windows Batch File INI File Windows Command TXT File Windows Batch File	1 KB 25 KB 2 KB 1 KB 1 KB 2 KB 2 KB
	Halcyon.ini Date r INI File	nodified: 4/19/2021 2:30 PM Size: 24.2 KB	Date created: 5/4/2021 3:05 AM		

Open it by dragging Halcyon.ini into the Programmer's Notepad program. Type (ctrl f) to open the Find window for %.



Click the Find Next button. It will locate the hostname entry tag. Highlight it and ctrl f to load it into the search. Click the Replace option to open its input window. Put in the server's Internet IP address numbers as shown.

🗞 154.27.95.140 - Remote Desktop Connection	The subscription of			_		
ogrammer's Notepad - [Halcγon.ini]						
le Edit Search View Tools Window Help					_	8×
🔁 🔚 🕼 🖆 🥥 🖄 🕹 👘 🏠 Properties 📃 👱	2 2	<u> </u>	Find 🔹			
yon.ini					<	1 Þ 🗙
;SMTP_SERVER_PASSWORD=bar						-
<pre>; {{lslinbound_db_connect}} ;inbound_storage_connection="" ;enabled=true ;internal_object_host=lsl.opensim.local ;host_domain_header_from=smtp.domain.com ;SMTP_SERVER_HOSTNAME=smtp.domain.com ;SMTP_SERVER_PORT=25 ;SMTP_SERVER_LOGIN=Name@domain.com ;SMTP_SERVER_PASSWORD=aPass</pre>	1	Search	ace 🎒 Find ir	1 Files		×
<pre>[Communications]</pre>		Find ubstr	%DecionServer	TD %	+ Find Novt	
; Which inter-region communications module o	to you wish to		varcegion server			4
; "LocalComms" (Limits all communications to	only those r	Replace with:	154.27.95.140		<u>Mark All</u>	-
;InterregionComms = "LocalComms"		Match whole w	ord only	Search	<u>R</u> eplace	
I Interregioncomms = RESICOmms		Match case		Curren <u>t</u> document	Replace <u>A</u> ll	
[Network]		Regular expres	sion	C All open documents	Cancel	7
; This is the block used to configure a reg:	ion that is go	I Allow backslast	expressions	C In colection		
<pre>default_location_x = 1000 default_location_y = 1000 ; This is set for each server in the Region. hostname = %RegionServerIP% ; ssl config: Experimental! The auto https ; you need a Cert Request/Signed pair instal ; you can use https on other platforms, but http_listener_ssl = false ; Also create a SS http_listener_cn = "localhost" ; Use the cer http_listener_ssl_cert = "" ; Currently unus ; The URL and access keys for the grid server grid_server_url = "http://10.0.0.5:8009" grid_recv_key = "l2charKeyCod" ; The URL and access keys for the user server user_server_url = "http://10.0.0.5:8002" user_send_key = "l2charKeyCod"</pre>	ini as an over config only rea lled in the MY you'll need to SL server rt with the com t for SSL conne- sed, but will be er: OpenSim.Griv	ride. Domain n ally works def store with the configure the mon name ctions e used for OSH d.GridServer.e d.UserServer.e	ame or IP. inately on CN specifi httpapi yo ttpServer xe	windows XP now ed below urself for now		
<pre>; The URL for the asset server, usually a WH ; See https://github.com/InWorldz/whip-serv asset_server_url = "whip://EGAsset2021@10.0. ; The MessagingServer is a companion of the ; user send key and user recy key, too</pre>	HIP server. Ver .0.10:32700" UserServer. It	uses				
messaging_server_url = "http://10.0.0.5:8000	5"					
111. What is command as the "V Corrowlife Char (-d"	j.		m		•

Click the Replace All Button.



Scroll down a few lines to show the port list. Change them to match the list of folders you have in the Grid folder. Save and close the file.



Open SoftwareInstalls and GridHost folder. Copy the Firewall Reghost.cmd file.



Paste it in the C:\Grid folder.

54.27.95.140 - F	Remote Desktop Connection					×
Recycle Bin Comput Shorte	ter - Command Prompt					s (
	Computer •	• Local Disk (C:) • Grid •	👻 🔯 Sei	arch Grid		
	Organize 🔻 🖻 Open Prir	nt New folder		1	: • 🔟 🔞	
	🚖 Favorites	Name *	Date modified	Туре	Size	
	Desktop	9800	5/4/2021 3·04 AM	File folder		
	Downloads	9801	5/4/2021 3:04 AM	File folder		
	📃 Recent Places	9802	5/4/2021 3:04 AM	File folder		
		9803	5/4/2021 3:04 AM	File folder		
	Libraries	9804	5/4/2021 3:04 AM	File folder		
	Documents	9805	5/4/2021 3:04 AM	File folder		
Administrator Co	Pictures	9005	5/4/2021 3:04 AM	File folder		
\GridHost\Hal	Videos	9807	5/4/2021 3:04 AM	File folder		
3aaed.asset \GridHost\Hal		0808	5/4/2021 3:04 AM	File folder		
8ffc7.asset	n Computer	9809	5/4/2021 3:04 AM	File folder		
\GridHost\Ha]	Local Disk (C:)	Bin	5/4/2021 3:04 AM	File folder		-
\GridHost\Hal	👳 SoftwareInstalls (\\Wii)		3/15/2021 3-0 TAIN	File folder		1
\GridHost\Hal		Erewall-RegHost cmd	2/23/2021 8:04 PM	Windows Command	1 KB	
\GridHost\Hal \GridHost\Hal		Alcoop bat	3/16/2021 11:25 AM	Windows Batch File	1.KB	
\GridHost\Hal dll			5/4/2021 3:09 AM	INI File	25 KB	
\GridHost\Hal \GridHost\Hal		MakeGrid.bat	2/26/2021 4:10 AM	Windows Batch File	2 KB	
\GridHost\Hal			3/2/2021 5:50 PM	INI File	2.68	
2 File(s) cor		SetPorts4 Iser.cmd	5/4/2021 2:59 AM	Windows Command	1 KB	
lcyonConfigs		Trustednetworks.txt	5/4/2021 2:53 AM	TXT File	1 KB	
date Done!		S Update Bat	5/4/2021 3:02 AM	Windows Batch File	2 KB	
\Grid>			STILLEELENE	Windows bacarrie	210	
	Firewall-RegHost	crind Date modified: 2/23/2021 8:04 PM	Date created: 5/4/2021 3:1	1.AM		
	Windows Command	d Script Size: 277 bytes	5642 572647 0J 1/2021 513			
4	m					
					-	1.0

Open it in the Programmer's Notepad (drag it into the open program).

154.27.95.140 - Remote Desktop Connection	The submittee of the		
ogrammer's Notepad - [Firewall-RegHost.cmd]			
ile Edit Search View Tools Window Help			_ & ×
🔁 🔚 😭 🖆 🥥 🎕 👗 🖺 🖺 Batch Files	∠ 2	i	
wall-RegHost.cmd			4 ▷ ×
wall-RegHost.cmd firewall firewall add rule name="RegionTCPPorts" firewall firewall add rule name="RegionUDPPorts"	dir=in action=allow p dir=in action=allow p	rotocol=TCP profile=private,publi rotocol=UDP profile=private,publi	<pre>4 ▷ × c localport=8000,9509-9509 c localport=9500-9509</pre>
· · · · · · · · · · · · · · · · · · ·			

Edit the port numbers to match the ones for this server in both lines. Save and close the file.

Right click on the Firewall Reghost.cmd file select Run as Administrator. It will flash open a console window while it runs. Do the same for the SetPorts4User.cmd. Then select each of the files as shown and delete them.



Select all the remaining files and copy them.



Paste them into the GridBatchFiles folder. This is your backup of these critical files.



Open C:\ folder. Right click on the SendMail entry and select properties. Locate the ## shown and replace with the server number.



Click OK to save it.

Time now to logon to the server as Grid Manager using Remote Desktop. It will have Administrator as the logon, use the Another Account option to change the logon and put in the password.

indows Securi	ÿ
Enter your These creden	credentials tials will be used to connect to 154.27.95.140.
	Administrator
	GridManager
	•••••
	Domain:
Rem	ember my credentials
	OK Cancel

Delete the Chrome desktop icon and empty the trash. Its not needed here. Its in the task bar already.

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5 154.27.95.140 - Remote Desktop Connection

Open the Windows Start button in the lower left of the screen. Right click on the Computer entry and pin to the desktop. Position the icons as shown.



Ope

Open the task bar properties by right click on it. Change the task bar button options to Never combine a	nd click	OK.
154.27.95.140 - Remote Desktop Connection		- X

📕 Taskbar and Start Menu	Properties X	
Taskbar Start Menu Toolba	rs	
Taskbar appearance		
Lock the taskbar		
Auto-hide the taskbar		
Use small icons		
Taskbar location on screen:	Bottom	
Taskbar <u>b</u> uttons:	Never combine	
Notification area	44 	
Customize which icons and i notification area.	notifications appear in the <u>Customize</u>	
Preview desktop with Aero	Peek	
Temporarily view the desktor	op when you move your mouse to the	
Use Aero Peek to orevi	withe desiton	
1. and the Proves brand		
How do I customize the taskt	arl	
	OK Cancel Apply	
-		
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	m	

Leave this Remote Desktop window open, and return to the open Administrator Window to continue setup for the Grid Manager there.

Open the SoftwareInstalls drive and the GridHost, DesktopIcons folder. Select all but the two files as indicated.



Copy the files. Navigate to C:\Users\GridManger\Desktop and paste the files there.



Drag the Autostart.bat and StartRegions.bat files into Programmer's Notepad to edit them. Change the port number prefix in them as shown.

S WinReg24.enchantedgrid.com - Remote Desktop Connection	
🎸 Programmer's Notepad - [StartRegions.bat *]	
Eile Edit Search View Tools Window Help	<u>=16</u>
🗋 🔒 🔚 📫 🥥 🍘 🐇 📭 🛍 Batch Files 🗾 🏥	▼ 論 Find ▼
Autostart.bat StartRegions.bat *	4 1
1 @Echo Off	
2 : System Autostart of regions	
3 C: 4 cd \Users\GridManager\Deskton	
5 @Echo Starting up regions!	
6 start "Grid Aperture #1" "Grid Aperture #1.lnk"	
7 timeout 3 8 ofter // %%i in (0.1.9) Do call :Process 950%%i	
9 goto Done	
10	
11 Process 12 echo Checking port %1	
13 powershell -ExecutionPolicy Bypass -File C:\RegionChk.ps1 %	L
14 :Results - 1=Port Not Assigned, 2=No DB Access, 3=No AutoSta	art, 4=Region is running, 9=Missing Port number
16 if ERRORLEVEL 2 goto Done	
17 if ERRORLEVEL 1 goto Skip	
18 start "%1" "%1.lnk"	
20 :Skip	
21	
22 :Done	
25	
	and the second sec

Copy that port prefix number. Save and close each file after editing them.

In the first folder entry, click twice to edit the folder name. Arrow to the front of the number and paste the saved port prefix there.

154.27.95.140 - Remote Desk	top Connection				
					File Sear
omputer - Command Shortcut Prompt					
]] Desktop					
Computer -	Local Disk (C:) 🔻 Users 👻 GridManager 👻 Desktop	👻 🛃 Se	arch Desktop		
Organize 👻 💽 Open Sha	are with 🔻 New folder		1	≡ + 🗊 🔞	
	Name *	Date modified	Type	Size	
Desktop	51 9800	3/2/2021 7:10 PM	Shortcut	2 KB	
Downloads		3/2/2021 7:11 PM	Shortaut	2 KB	
🔛 Recent Places	第 2	3/2/2021 7:11 PM	Shortcut	2 KB	
	3	3/2/2021 7:11 PM	Shortcut	2 KB	
Cal Libraries	2 4	3/2/2021 7:11 PM	Shortcut	2 KB	
	5	3/2/2021 7:11 PM	Shortcut	2 KB	
Pictures	6	3/2/2021 7:11 PM	Shortcut	2 KB	
Videos	7	3/2/2021 7:11 PM	Shortcut	2 KB	
	8	3/2/2021 7:11 PM	Shortcut	2 KB	
Computer	9	3/2/2021 7:12 PM	Shortcut	2 KB	
Local Disk (C:)	Autostart.bat	5/4/2021 4:30 AM	Windows Batch File	1 KB	=
	🛃 Computer - Shortcut	5/4/2021 4:24 AM	Shortcut	1 KB	
📬 Network	FI Grid Aperture #1	2/7/2019 7:06 PM	Shortcut	1 KB	
	StartRegions.bat	5/4/2021 4:30 AM	Windows Batch File	1 KB	
0 Date mod	ified: 3/2/2021 7:10 PM Date created: 5/4/2	2021 4:28 AM			
Shortcut	Size: 1.13 KB				
					-
4	2 M.				الله ال

Enter to save it. It will relocate the bottom of the list. Right click on it and select Properties.

Past the port prefix number in front of the digit there as shown.



Click Enter to save and close the window. Repeat for each of the folders in the list.

All folders now completed editing.

Command Promot				
]] Desktop				
Computer		🔹 Desktop 🔹 🚺 Se	earch Desktop	
Organize 🔻 🔳 Open Sł	are with 🔻 New folder		800	• 🔳 🔞
🔆 Favorites	Name *	Date modified	Type S	ize
🧮 Desktop	a 800	5/4/2021 4:32 AM	Shortcut	2 KB
Downloads	9801	5/4/2021 4:32 AM	Shortcut	2 KB
Recent Places	9802	5/4/2021 4:32 AM	Shortcut	2 KB
	9803	5/4/2021 4:32 AM	Shortcut	2 KB
Libraries	9804	5/4/2021 4:33 AM	Shortcut	2 KB
Music	9805	5/4/2021 4:33 AM	Shortcut	2 KB
Pictures	9806	5/4/2021 4:33 AM	Shortcut	2 KB
Videos	9807	5/4/2021 4:33 AM	Shortcut	2 KB
	9808	5/4/2021 4:33 AM	Shortcut	2.KB
Computer	11 9809	5/4/2021 4:34 AM	Shortcut	2 KB
Local Disk (C:)	Autostart.bat	5/4/2021 4:30 AM	Windows Batch File	1 KB
	Computer - Shortcut	5/4/2021 4:24 AM	Shortcut	1 KB
Network	Grid Aperture #1	2/7/2019 7:06 PM	Shortcut	1 KB
		5/4/2021 4:30 AM	Windows Batch File	1 KB
9809 Date mo Shortcut	dified: 5/4/2021 4:34 AM Date o Size: 1.18 KB	reated: 5/4/2021 4:28 AM		

At this point you can empty the Administrator trash can and close all open windows and log out of it. Return to the Grid Manager window.

Clean up the desktop icons to be in neat order as shown:



Copy the Autostart batch file icon. Open the Start Menu, then the Programmers Notepad folder and right click on its program entry to select to pin to task bar.

Right click on the Startup folder, select Open.

5 154.27.95.140 - Remote Desktop Connection		And the second	×
9800 9801 9802			
9803 9804 9805			
9806 9807 9808			
9809			
Ogg Ogg Ogg Ogg Ogg Google Chrome Ogg Internet Explorer			
 Windows Update 7-Zip Accessories Defraggler Maintenance 	GridManager		E
Programmer's Notepad Startup VMware	Computer Network		
	Control Panel Devices and Printers		
	Administrative Tools Help and Support Run		
Back Search programs and files	Windows Security		
Start 🍇 🛛 🚞 🧔	¢\$		• •

Paste the Autostart.bat into the folder.

154.27.95.	.140 - Remote [Desktop Connection					
9300	9801	9802					
9803	9804	Startup Computer Organize V Computer	✓ Local Disk (C:) ✓ Users ✓ GridManag hare with ✓ Print New folder	er ▼ AppData ▼ Roaming ▼ Microsoft ▼	• Windows 👻 Start Mer	iu → Programs → Sta	
9806	9807	 ★ Favorites ■ Desktop ➡ Downloads ₩ Recent Places 	Name –	Date modified 5/4/2021 4:30 AM	Type Windows Batch File	Size	
9809		Libraries Libraries Documents Music Pictures Videos					
Autostart	StartRegions	Computer					
						E	111
		Autostart Windows Batch F	Date modified: 5/4/2021 4:30 AM ille Size: 633 bytes	Date created: 5/4/2021 4:43 AM			
	1						
A Start		Startup	V				E. 7. III

This next task is a bit more tricky to accomplish. This is to set the startup console window to the correct position settings. Double click on StartRegions. When its window opens type ctrl C. You may need to do it twice if the Aperture window opens first. While its on the question to Terminate the batch job, right click on the window's top bar and select Properties. Change the Layout Window Position options to be: uncheck the let system position window checkbox, set Left=0, Top=0. click OK to save.



Then answer Y to the pending question to close it.



Close the Aperture window if it is still open.

Close the Remote Desktop window - DO NOT log out of the GridManager account. It stays active all of the time from here on out unless the grid is being serviced and it must have all regions closed and logged out for a server restart.

The last step is putting the server into the website Administrator logon for the Grid Manager Servers list. This action requires the Grid Owner account logon to the website or allowed Administrator access on your own logon. Open the Grid Manager program. Select the Server Management option in the left side menu.



Select the New Server option:

S Local Food for X	Administration ×	📄 enchanted gric 🗙 📔 🛃 Io	calhost.locale 🗙 🛛 👩 Eo	dward Ashfor × +				
	world.enchantedgrid.o	om/Administration/ServerS	elect.aspx	\$	0 @ * 0 :			
Apps 📙 Website Dev	🖬 Apps 🛄 Website Developm 🛄 Home Development 🛄 BibleStudyResources 🛄 Second Life 🛛 » 🛄 Other bookmarks 🛙 🖽 Reading list							
Enchanted Grid								
Home	FAQ	Information	World	Policy Center	Support			
Server Manage	r Server Name			Ext IP	Int IP			
	WinReg01			154.27.74.87	10.0.0.101			
	WinReg02			154.27.74.88	10.0.0.102			
Menu Selections	WinReg03			154.27.74.89	10.0.0.103			
Grid Manager	WinReg04			154.27.74.90	10.0.0.104			
Website Administration	WinReg05			154.27.74.91	10.0.0.105			
Account	WinReg06			154.27.74.92	10.0.0.106			
🖸 Logout	WinReg07			154.27.74.93	10.0.0.107			
-	WinReg08			154.27.74.102	10.0.0.108			
Page Options	WinReg09			154.27.74.103	10.0.0.109			
New Server	WinReg10			154.27.74.104	10.0.0.110			
	WinReg11			154.27.74.105	10.0.0.111			
	WinReg12			154.27.74.106	10.0.0.112			
	WinReg13			154.27.74.107	10.0.0.113			
	WinReg14			154.27.74.108	10.0.0.114			
	WinReg15			154.27.74.109	10.0.0.115			
	WinReg16			154.27.95.130	10.0.0.116			
	WinReg17			154.27.95.131	10.0.0.117			
	WinReg18			154.27.95.132	10.0.0.118			
	WinReg19			154.27.95.133	10.0.0.119			
	WinReg20			154.27.95.134	10.0.0.120			
	WinReg21			154.27.95.135	10.0.0.121			
	WinReg22			154.27.95.136	10.0.0.122			
	WinReg23			154.27.95.137	10.0.0.123			
	WinReg24			154.27.95.140	10.0.0.124			
	WinReg25			154.27.95.141	10.0.0.125			
	WinReg26			154.27.95.142	10.0.0.126			
	WinReg27			154.27.95.143	10.0.0.127			
	WinReg28			154.27.95.144	10.0.0.128			
	WinReg29			154.27.95.145	10.0.0.129			
	WinReg30			154.27.95.146	10.0.0.130			
	WinReg31			154.27.95.147	10.0.0.131			
	WinReg32			154.27.95.157	10.0.0.132			
	WinReg33			154.27.95.158	10.0.0.133			
	WinReg34			154.27.95.159	10.0.0.134			
	WinReg35			154.27.95.160	10.0.0.160			

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Fill in the information for the server. The Account Name is GridManger and its password. Put in the rest of the server information and port number range. Add when its done.

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Local Food for X S A	dministration ×	enchanted gri X	calhost.local X G Ed	ward Ashtor X +	0
	ld.enchantedgri	id.com/Administration/ServerF	orm.aspx	☆) @ * () :
👖 Apps 📋 Website Develop	m 📙 Home I	Development 🧧 BibleStudyRes	ources 🧾 Second Life	» 🛛 🚺 Other book	marks 🔠 Reading list
		Enchanted (Grid		
Home	FAQ	Information	World	Policy Center	Support
Server Manager	New Server				
	-	Server Name			
Menu Selections		Account Name			
Grid Manager		Password			
		External IP			
Logout		Internal IP			
NOTE: Sever may only be removed	ł	Port List	separated by commas. Ran	ge Start# - End #_ie: 9500-9509	9515
when there are no regions assigned to it. Server has assigned.			Add		
35					
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Server is now operational to have regions assigned to its port number list.

Repeat process for each VM server you have set up.

Sea Region Host Setup:

This variant is done to allow more than 10 regions to be put into one host which are limited ocean/straits type. These limited regions take less system resources so may allow more of them to be run in one VM. As long as these regions do not contain any content in them, there may be up to 30 put in one VM host server. If they will have some content put in, they will consume more memory and that becomes the limiting factor which may reduce the number to 20 that may be hosted.

On Page 20 the MakeGrid.bat is described how to use it to create the port number named folders. This is to be repeated for the assigned port numbers in 10 entry increments. The MakeGrid batch program will create 10 folders at a time 0-9 so each port number prefix used must be the next block of 10 you want to create. So the example is to set up ports 10400-10429 is a 30 port range. It requires running MakeGrid 3 times using: MakeGrid 1040 9 MakeGrid 1041 9 MakeGrid 1042 9

The MakeGrid parms are:

Port number prefix - means the numbers from the 10's column and up from there. How many iterations to process from 0 to 9 where 0 will make one folder and 9 is the last one, to make all 10.

Edit the Update.bat file in Programmer's Notepad as instructed in the next step on page 22. Then copy the line 5 two more times below it like this:

@for /L %%i in (0,1,9) Do call :Update %1 1040%%i @for /L %%i in (0,1,9) Do call :Update %1 1041%%i @for /L %%i in (0,1,9) Do call :Update %1 1042%%i

Changing the port prefix numbers on each line to match the ones used in the MakeGrid commands. Now the Update process will update all 30 of the simulator folders created. Save and close Update.

Proceed with the remaining instructions for server setup until you get to the step for the desktop icons on page 43. After pasting the files in the folder, Create a folder named RegionIcons.

Copy the 10 numbered files to the folder. Continue with the rename and properties updates for all 10 of them.

Repeat the copy of the 10 numbered files one more time and continue with the rename and properties update.

Move the 10 numbered files to the RegionIcons folder as this will be the last set of them. Continue with the rename and properties update.

Return to the parent folder. You may change the RegionIcons folder icon image at this point using its Properties if you wish.

Edit the AutoStart and StartRegions batch files in Programmer's Notepad. Update the line @for /L %%i in (0,1,9) Do call :Process 950%%i with the port number prefix ^^^ Copy the line two more times under it and update their portnumber prefix for each block of 10 to be processed. Save and close each file after making the changes.

Continue with the remaining instructions on page 44.

End of Server Setup documentation.