

How to Install and Use SSS\Progman with Carsoft or INPA interface

First of all you must be able to use Carsoft, and/or INPA already. If you have not figured out how to get those working: Go back and work on them, SSS will not work without those working.

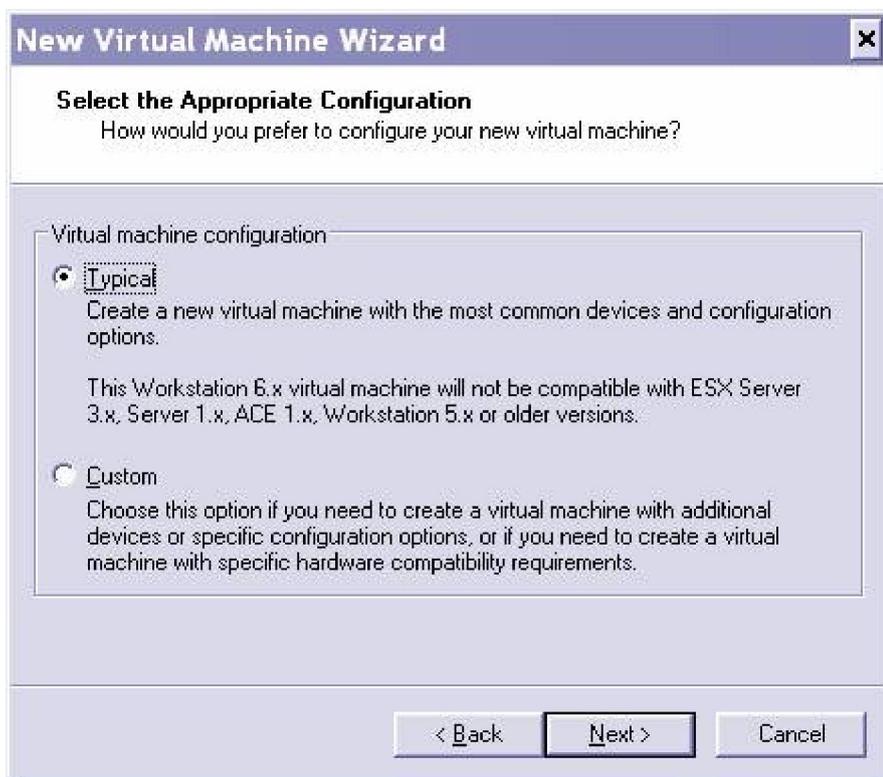
Required Software:

- VMWare 6
- SSS Base 3.1 hack ISO
- BMW Progman v.28, v.30 or v.32
- Changes.iso

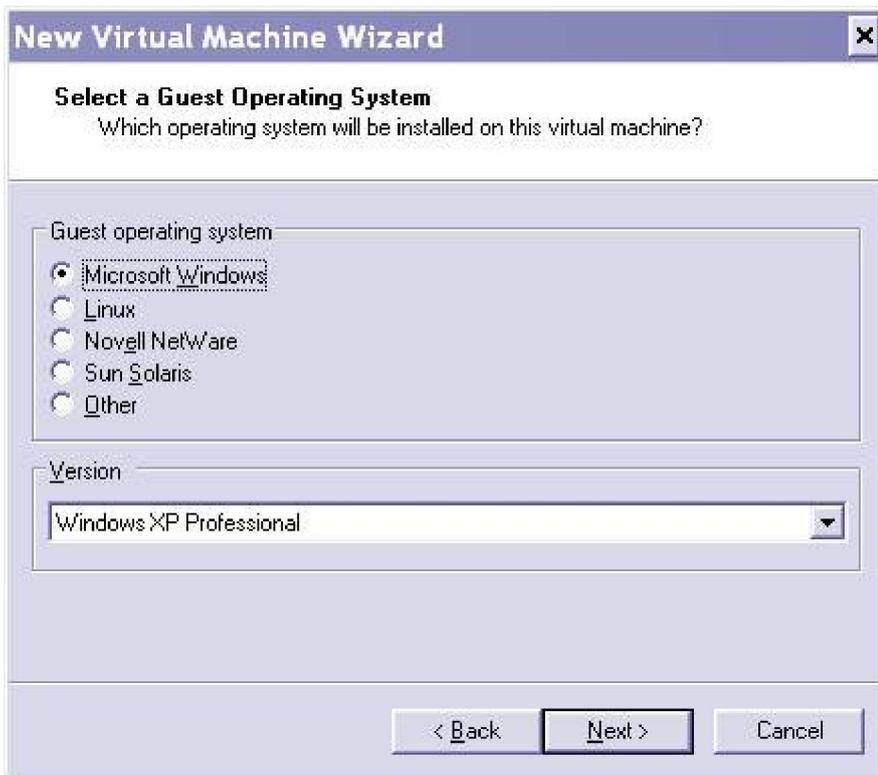
How To Install SSS Progman v.28, v.30 or v.32

- If you don't have VMWare installed, install it with the default options.
- Install INPA and be certain that it works.

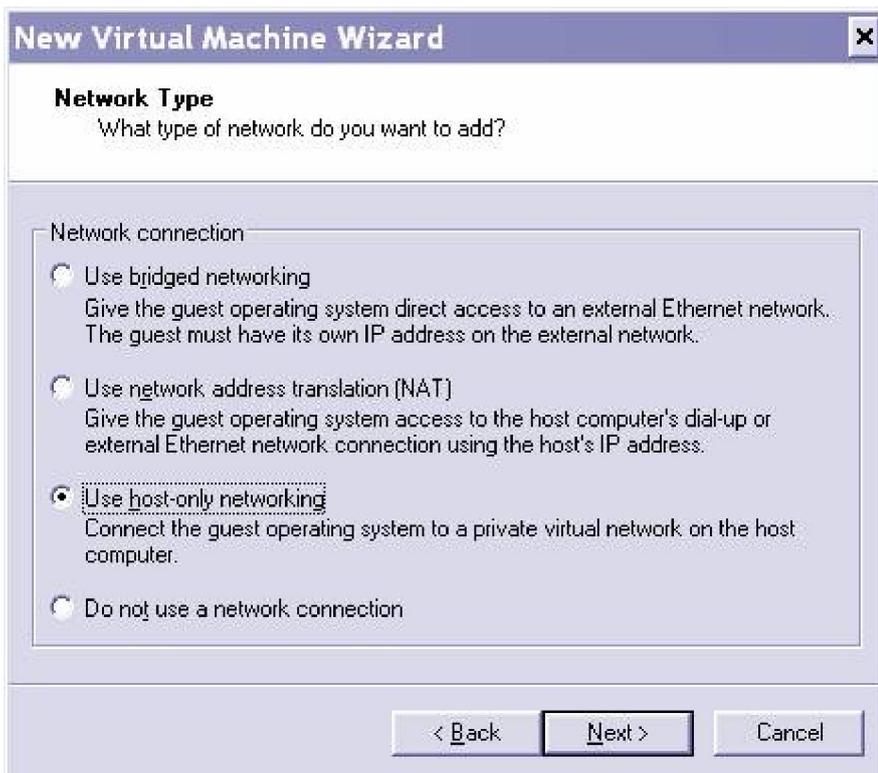
- Open VMWare and create a new Virtual Machine
- Select Typical:



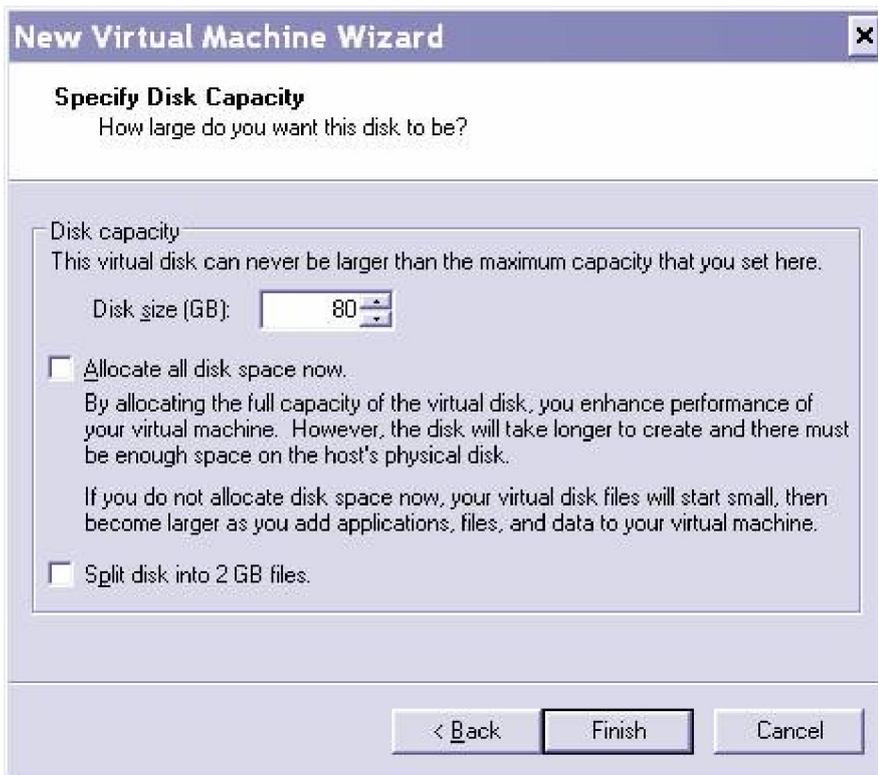
- Select Microsoft Windows, Windows XP:



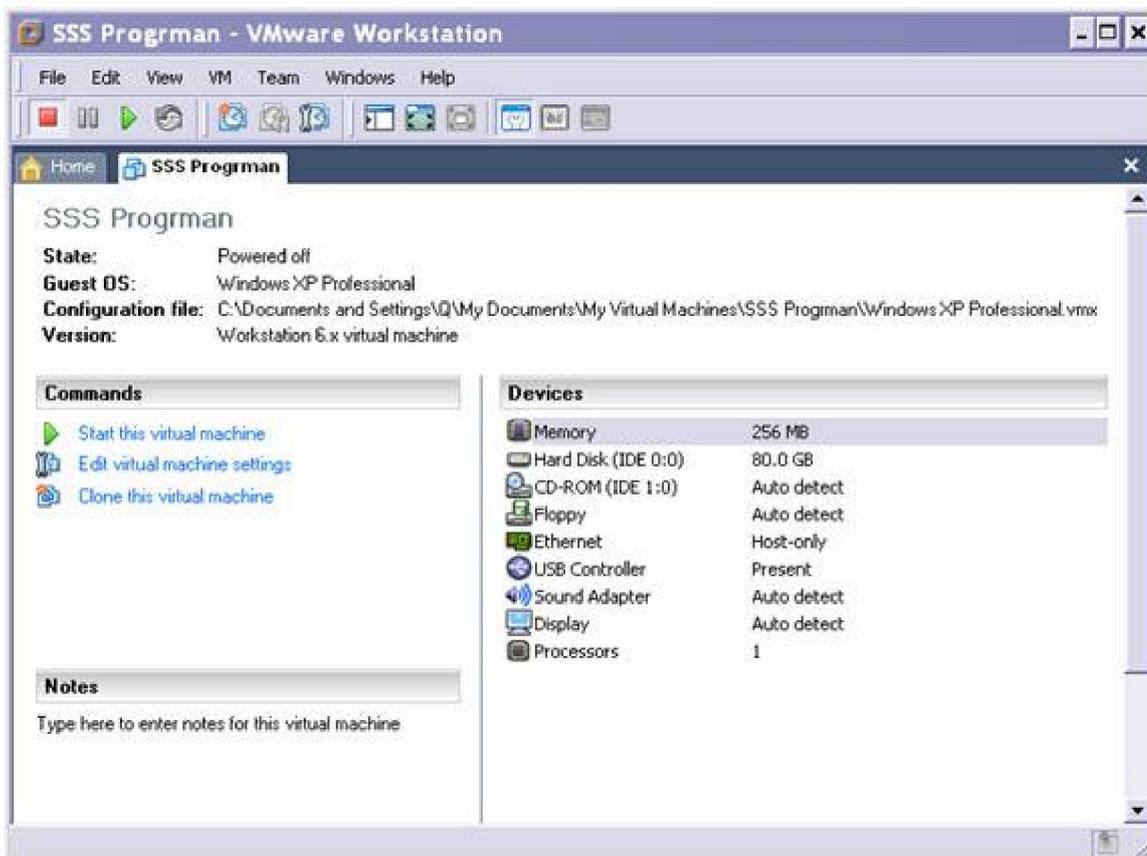
- Give your virtual machine any name you like
- Select Use Host only networking:



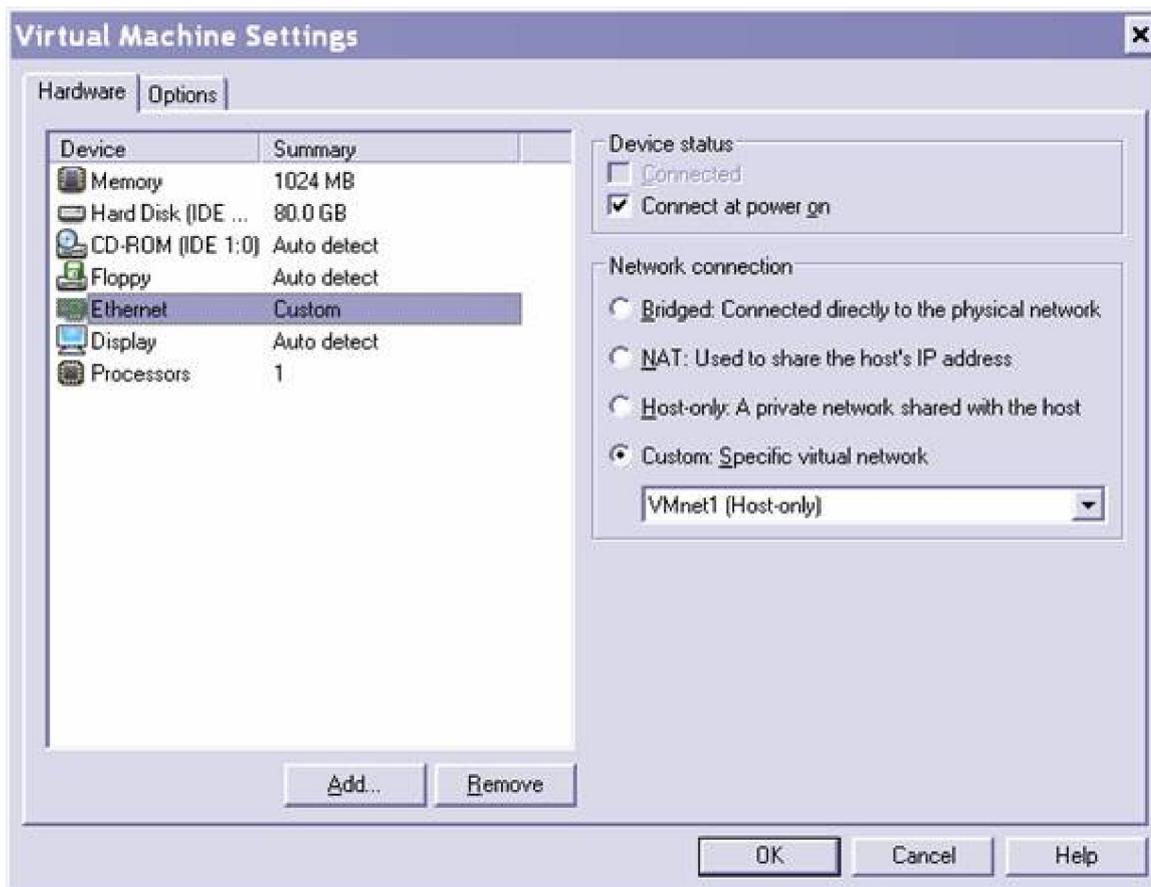
- Make your disk a substantial size, but no need to allocate it all now:



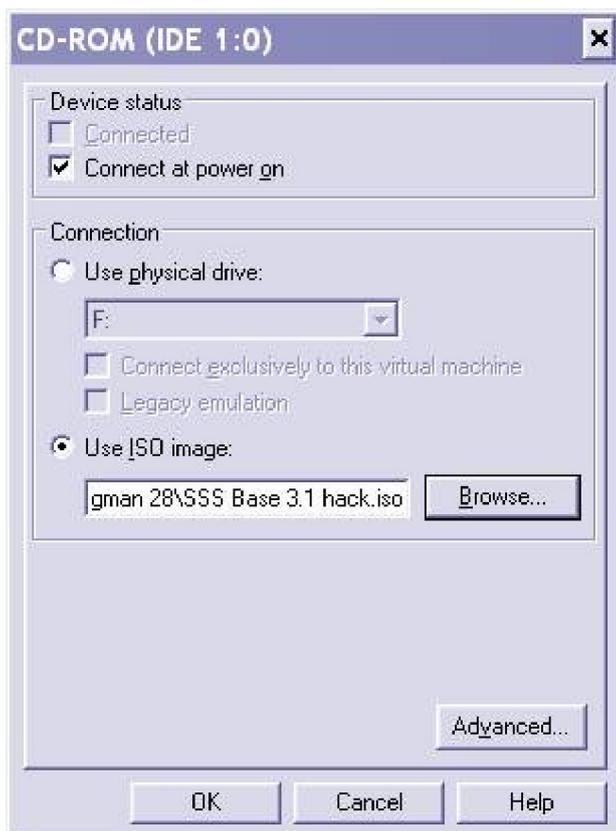
- Your Virtual Machine is created:



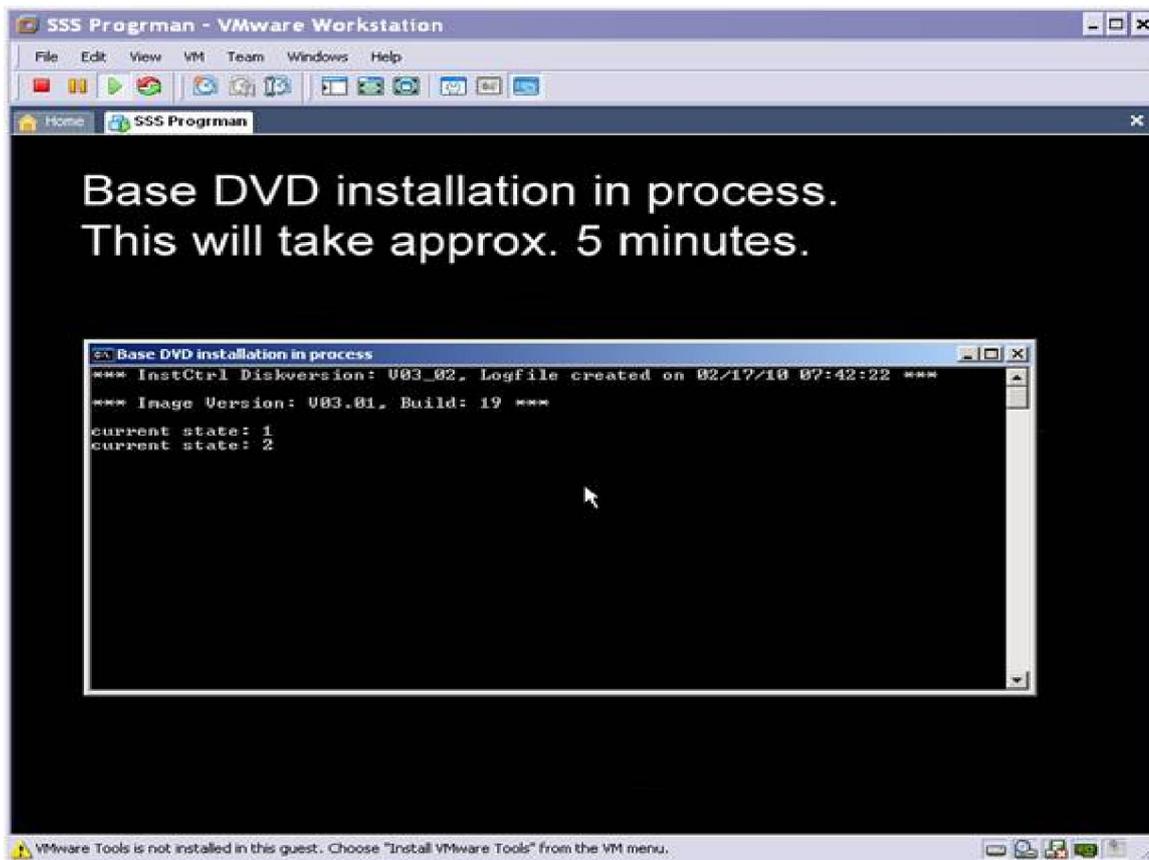
- Now you must edit the virtual machine and remove the USB controller, and the sound adapter. Also increase the memory to 1Gb and adjust the Ethernet adapter to use VMnet1



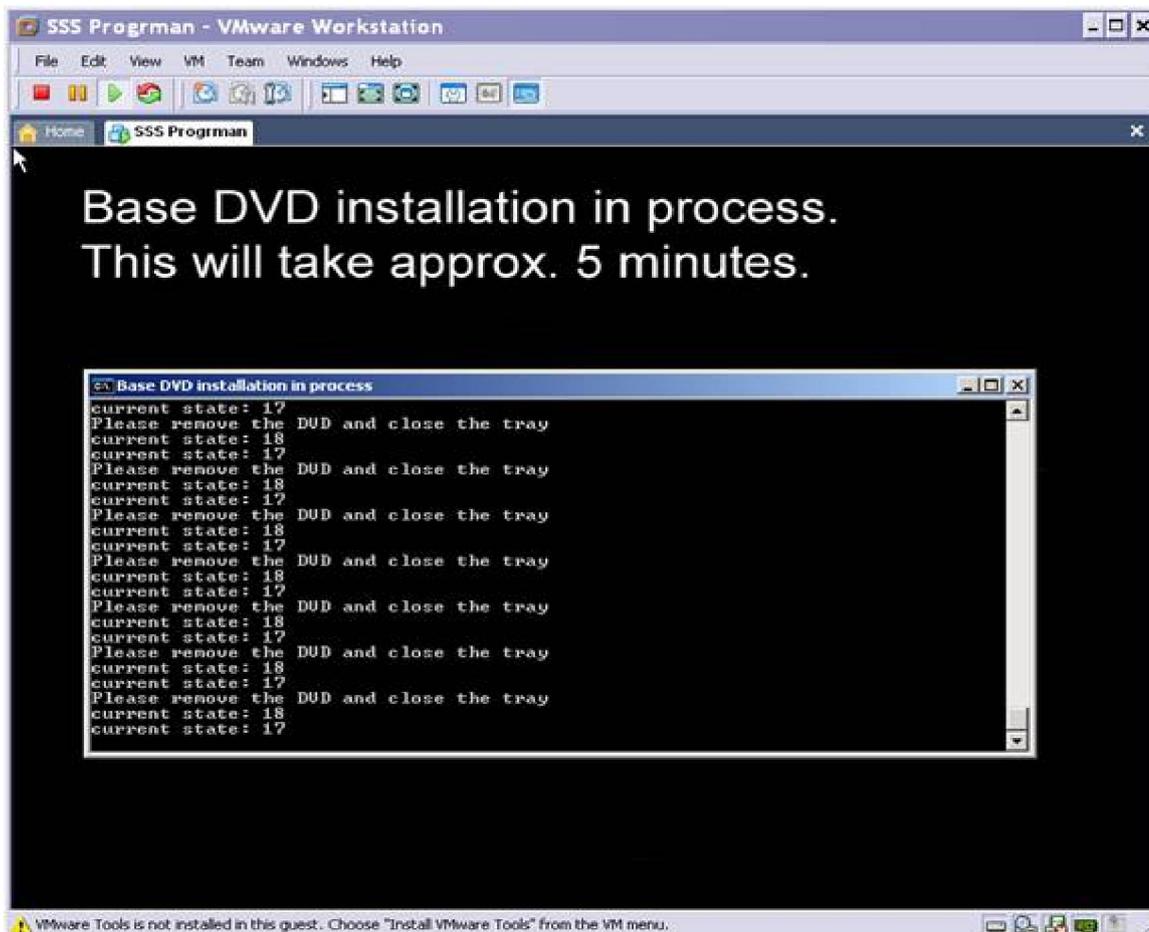
- Edit the properties of the CD drive to open the SSS Base 3.1 hack ISO:



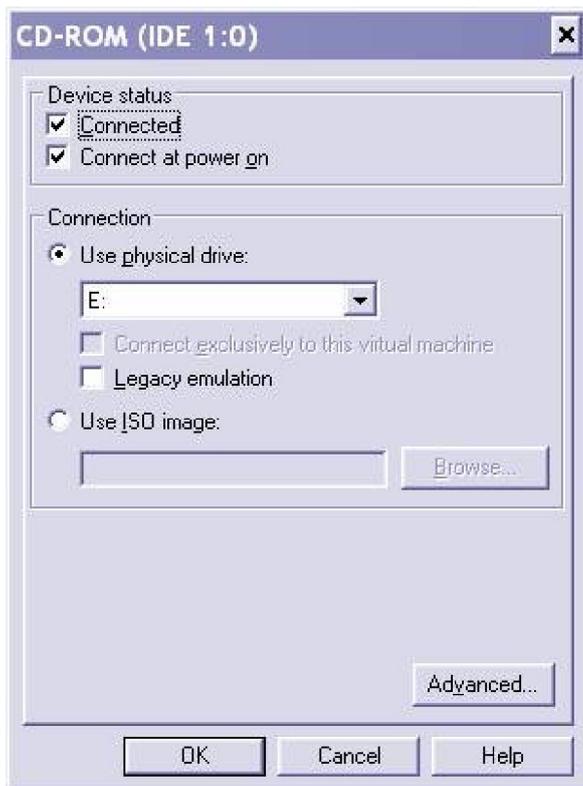
- Now start the virtual machine and you will see this:



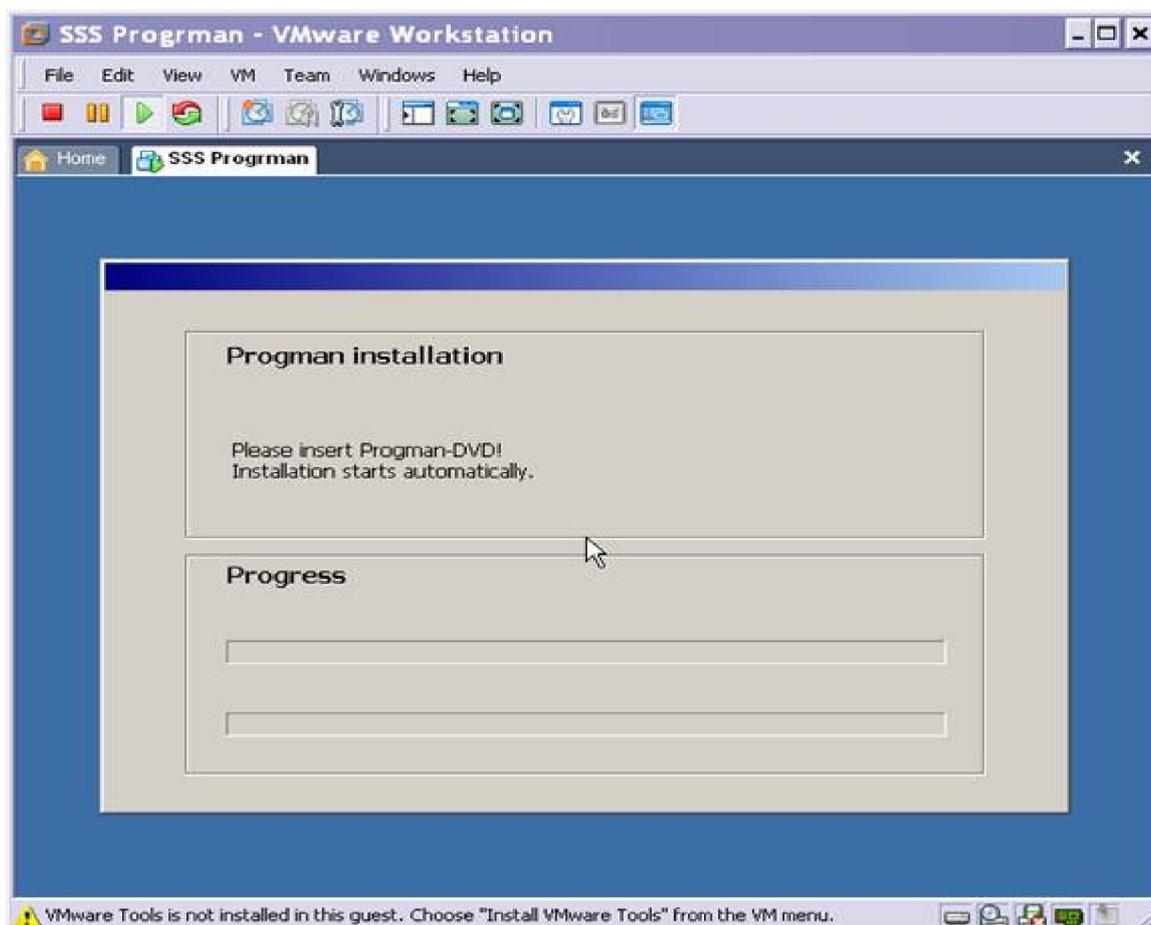
- Once it completes, it will insist that you eject the CD:



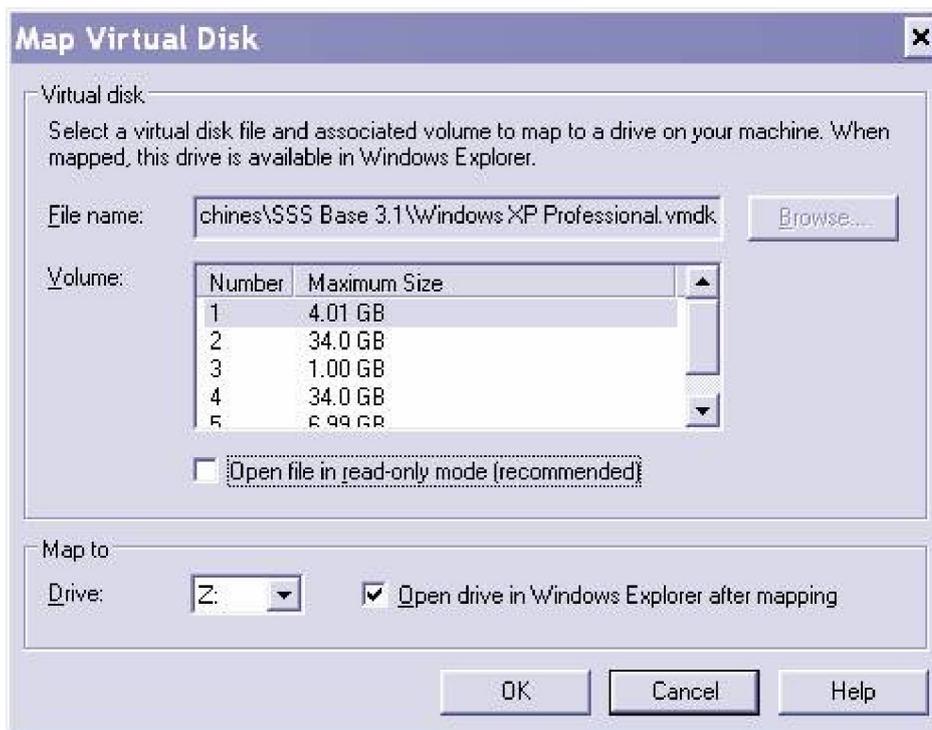
- Double-click the CD icon in the lower-right portion of the VMware window, and change the CD form the ISO to your actual CD drive, so you can press the eject button, and continue the process:



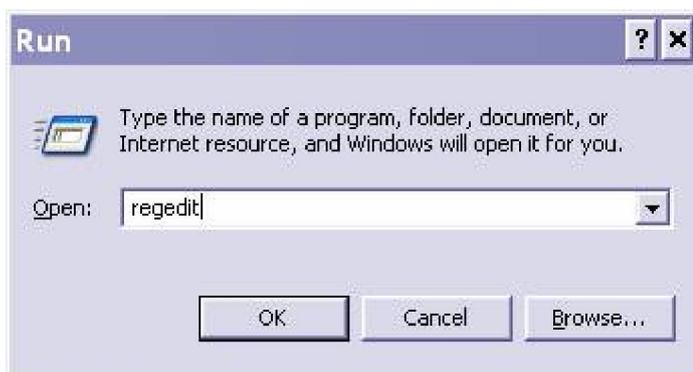
- Press the eject button on your CD drive, and the VMware image will now load with Windows XP as the O/S, and will prompt you for the Progman installation disc: **DO NOT PUT IN THE PROGMAN DISC!!**



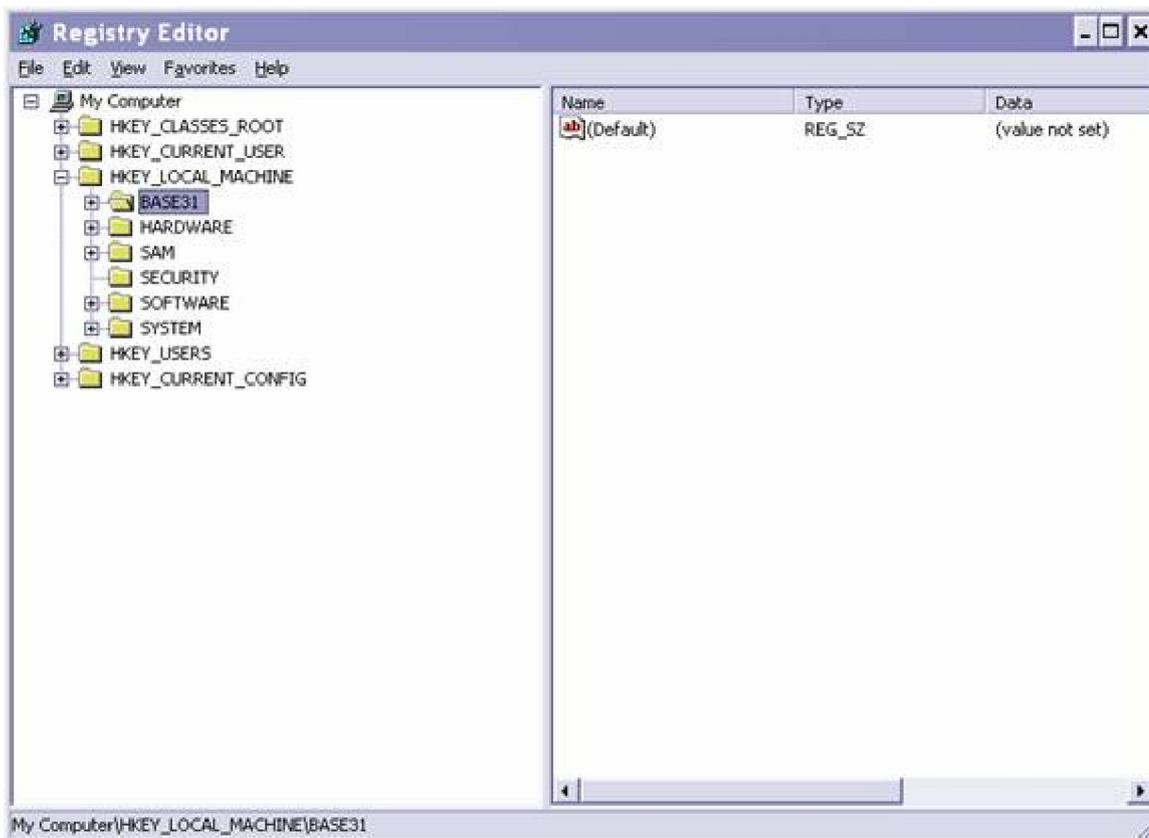
- Stop the VMware server.
- Double-click the VM hard drive
- Select Utilities > Map
- Select the first partition, uncheck read-only and press Ok.



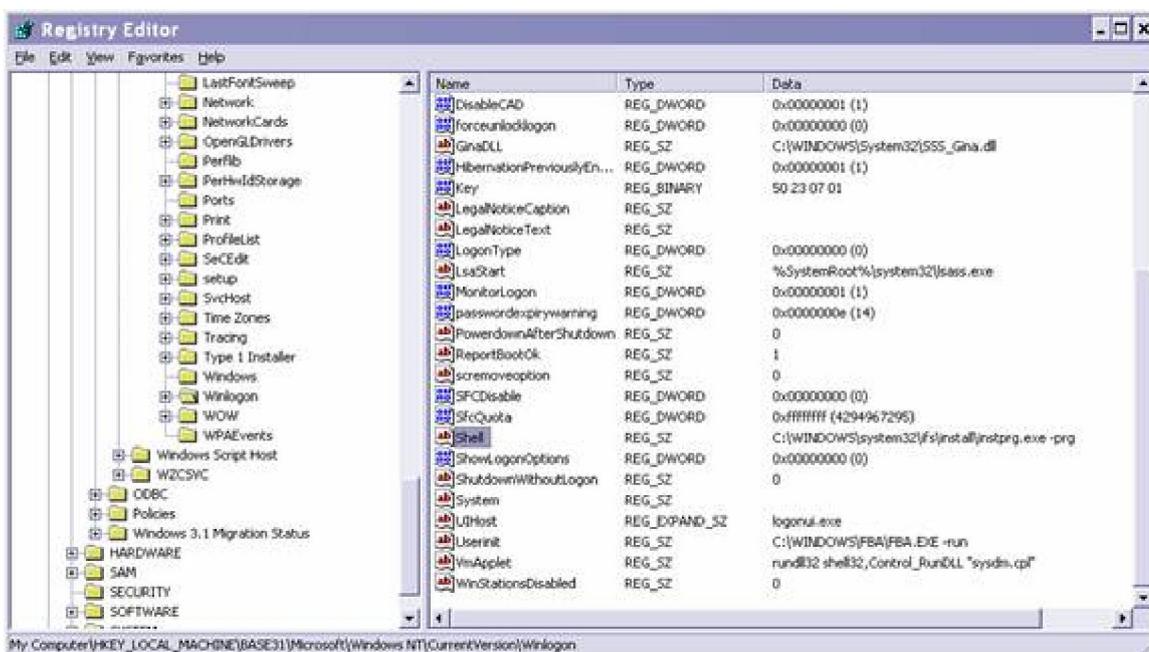
- Open Regedit



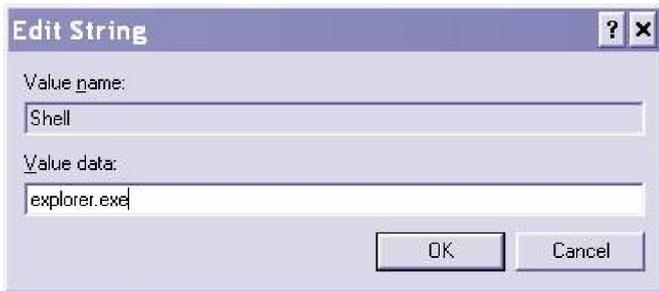
- In the Registry Editor, Click File > Load Hive
- Browse to the file Z:\Windows\System32\Config\Software
- Give the hive a name like BASE31
- It will show up in the registry



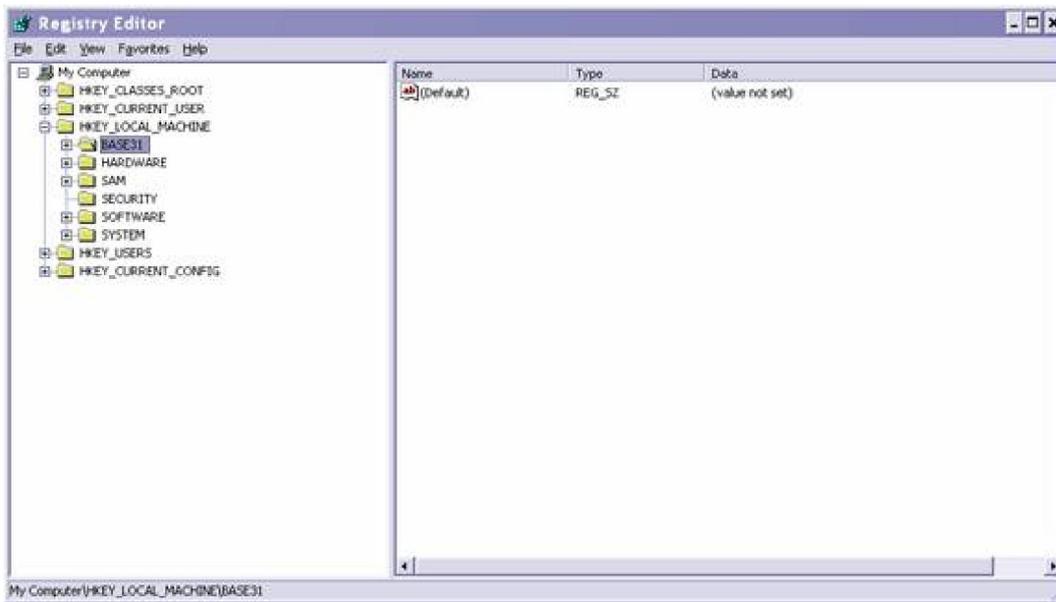
- Browse to BASE31\Microsoft\Windows NT\Current Version\Winlogon
- Find the value of SHELL and double-click it



- Change the value to Explorer.exe



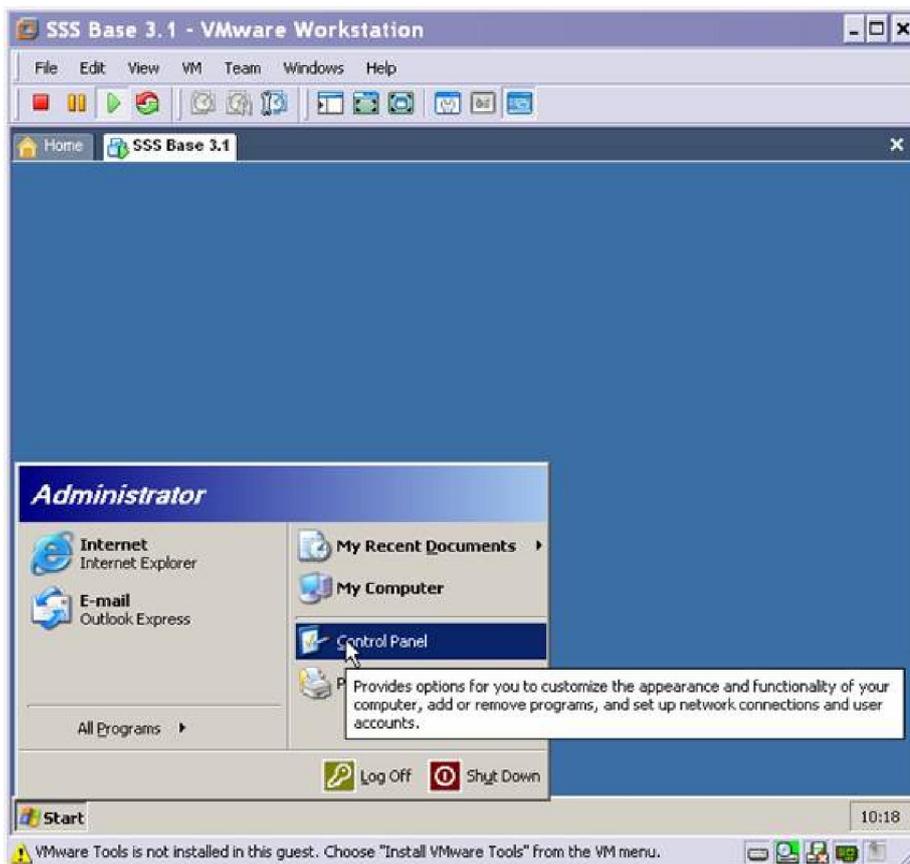
- Collapse the folder tree so that BASE31 is highlighted



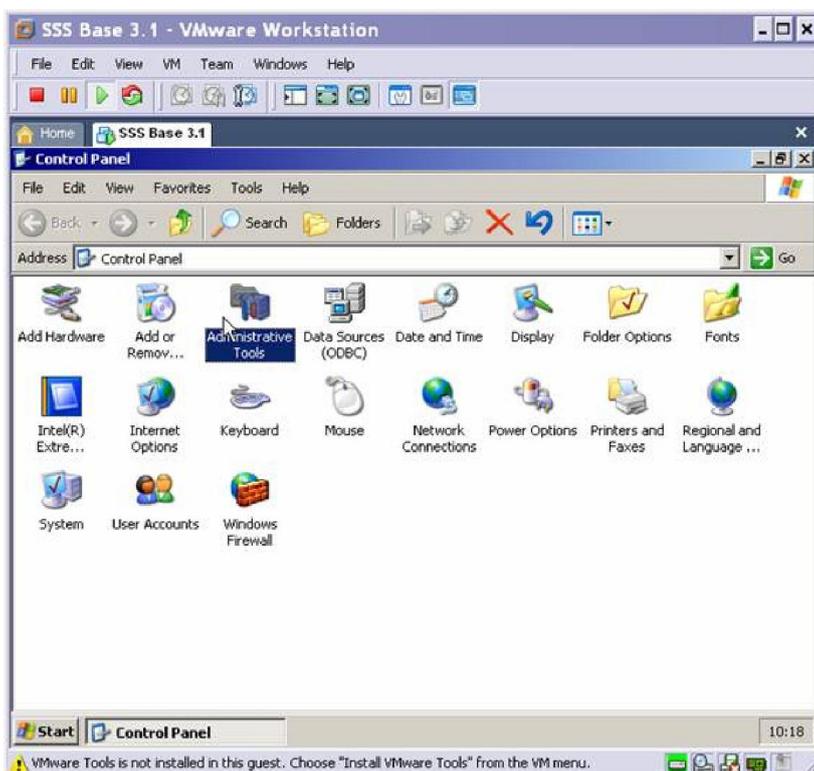
- Click File > Unload Hive.
- Close registry editor
- Return to VMware, open the properties for the hard drive and select Utilities > Disconnect



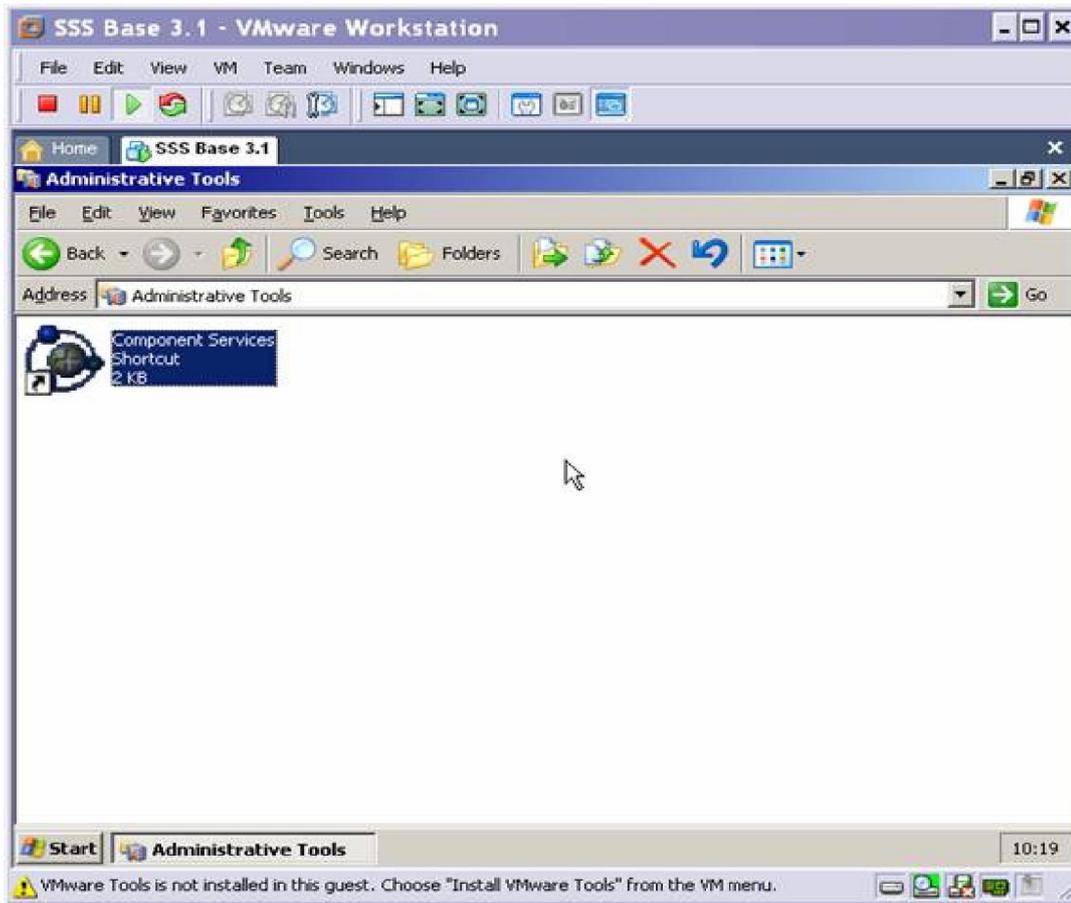
- Start up the Virtual Machine and it will load into Windows. Ignore any messages about installing new hardware.
- Click-Start > Log-off
- Log back on as Administrator and use **++Xs4Progman** as the password
- Open Control Panel



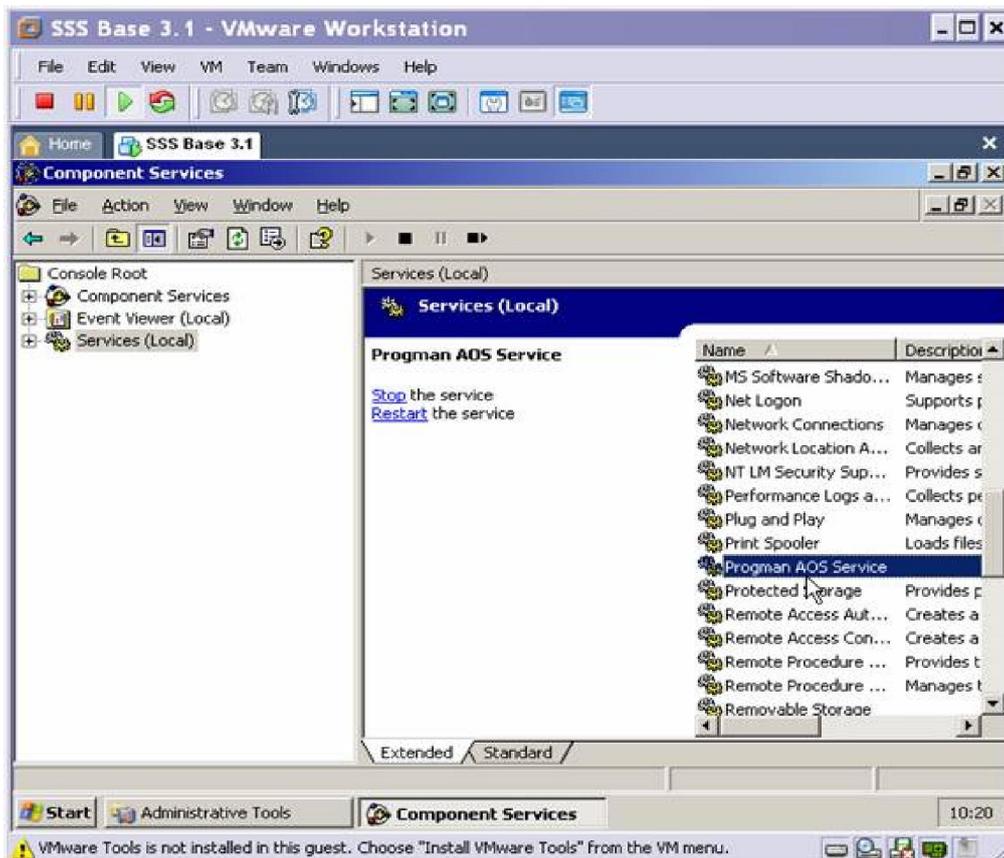
- Open Administrative Tools



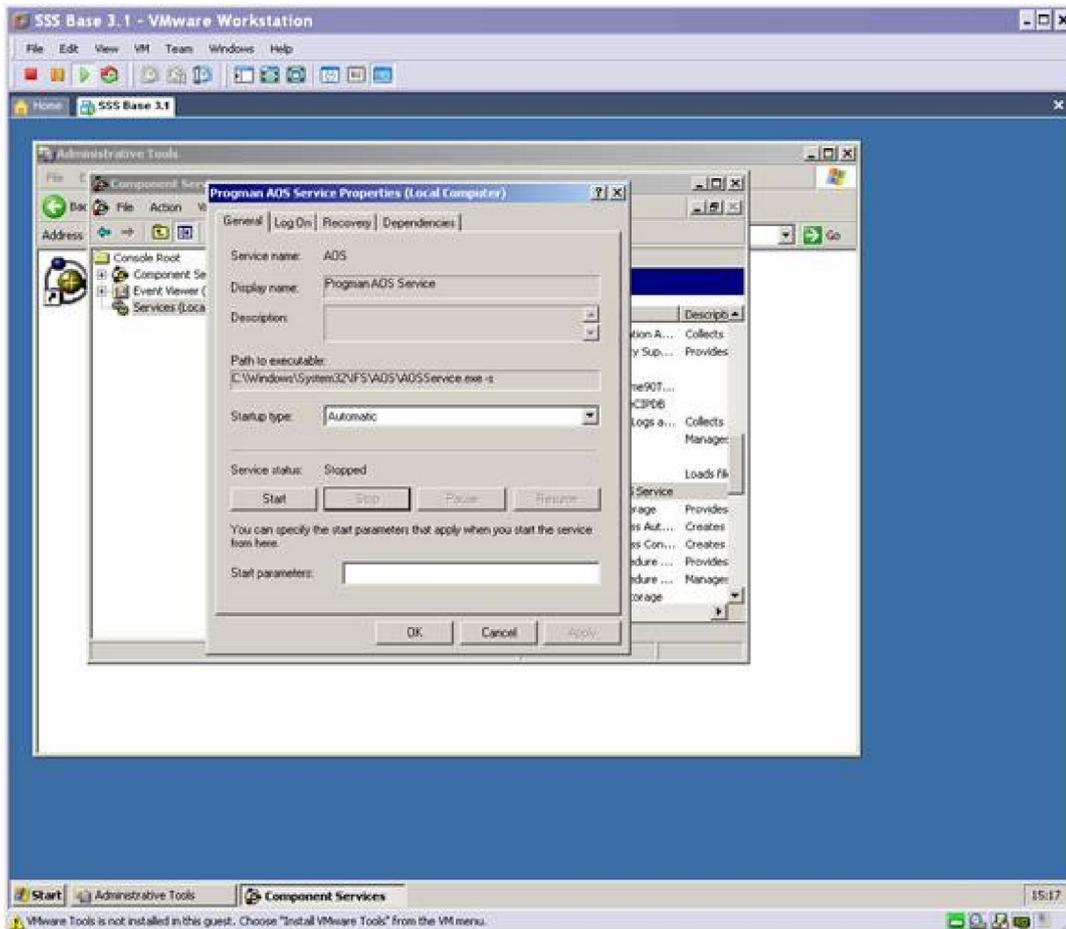
- Open Component Services



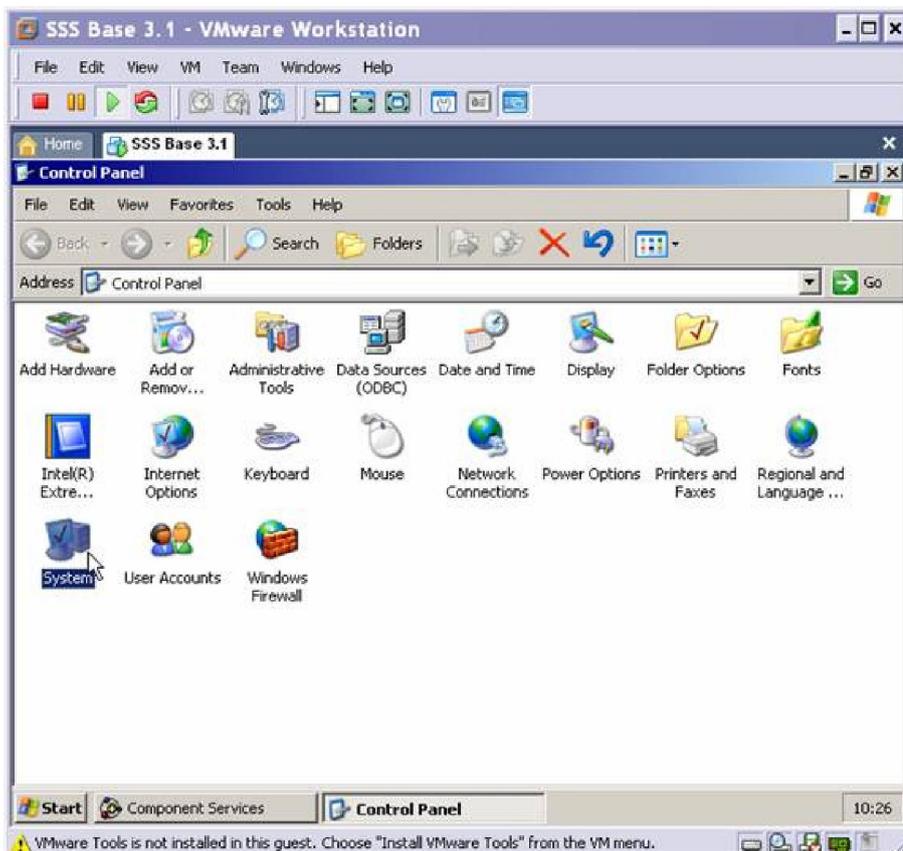
- Choose services, and find the Progman AOS service



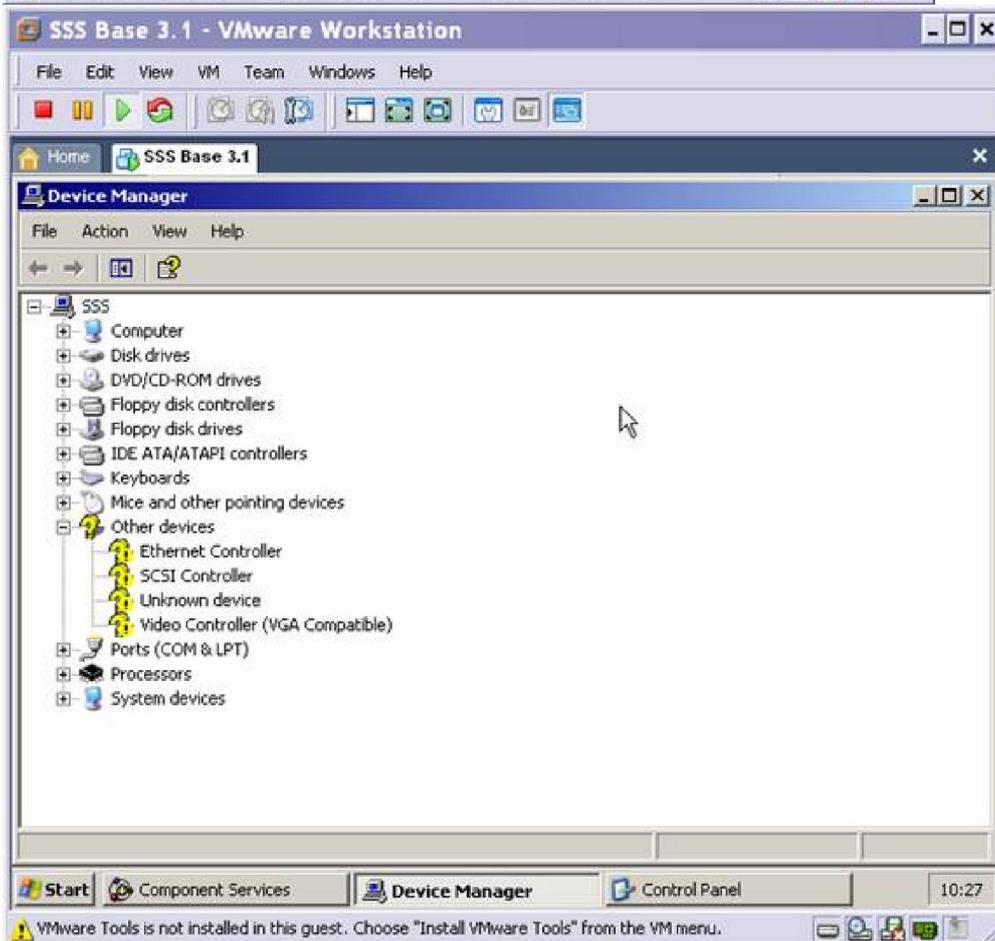
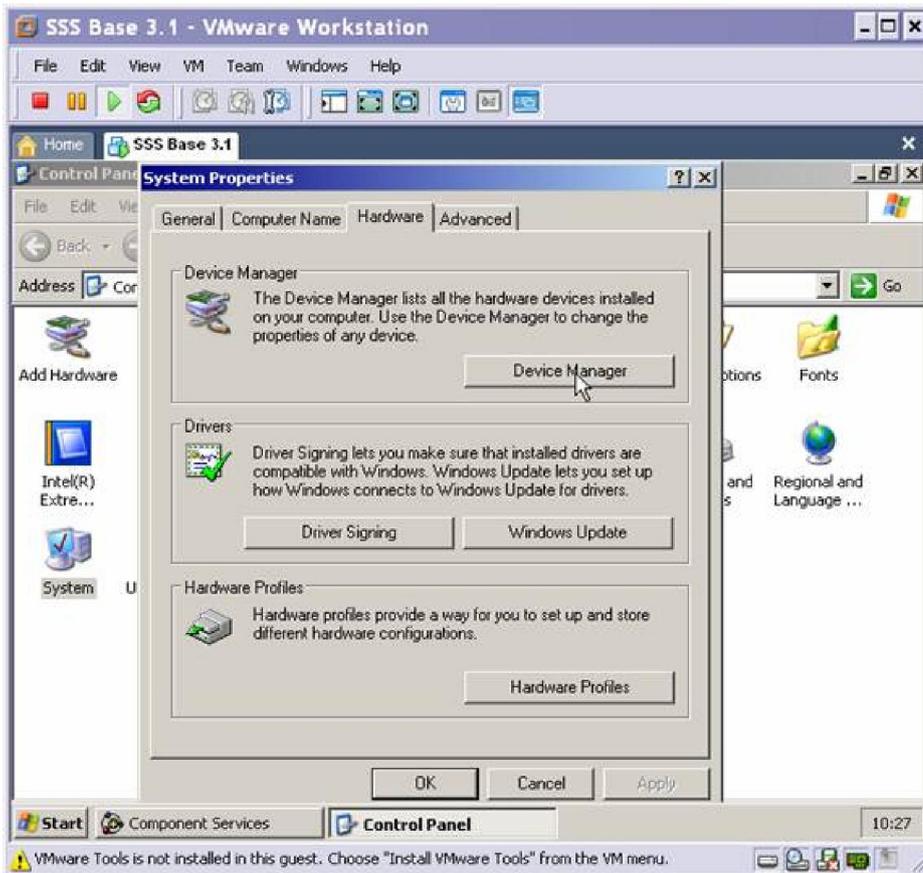
- Open properties for the service, and stop the service



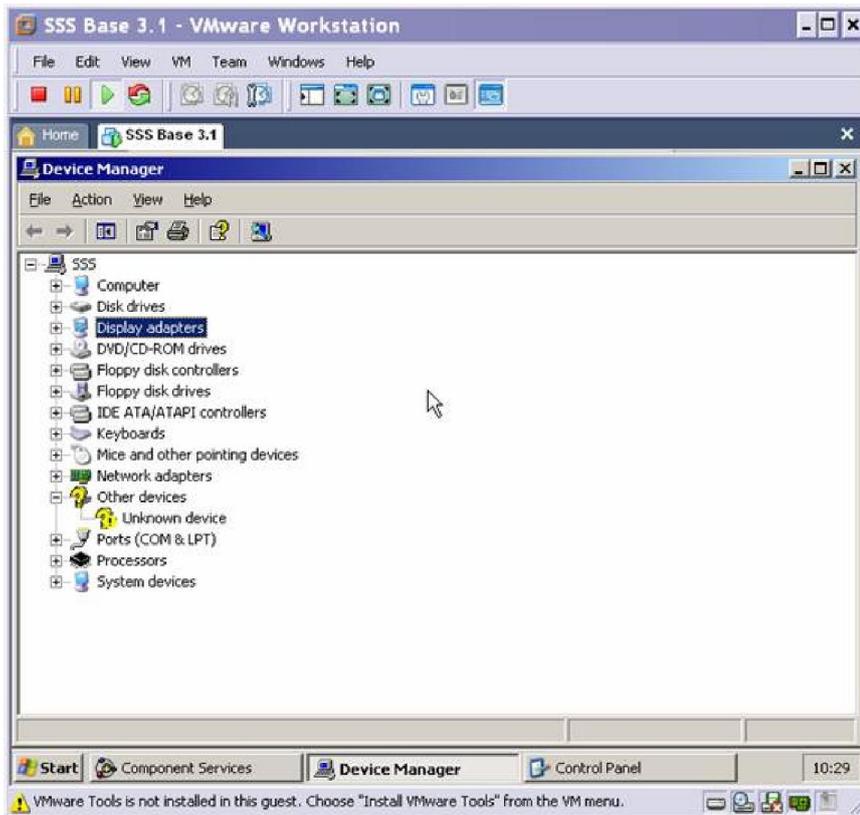
- Return to Control Panel, and open the “System” applet



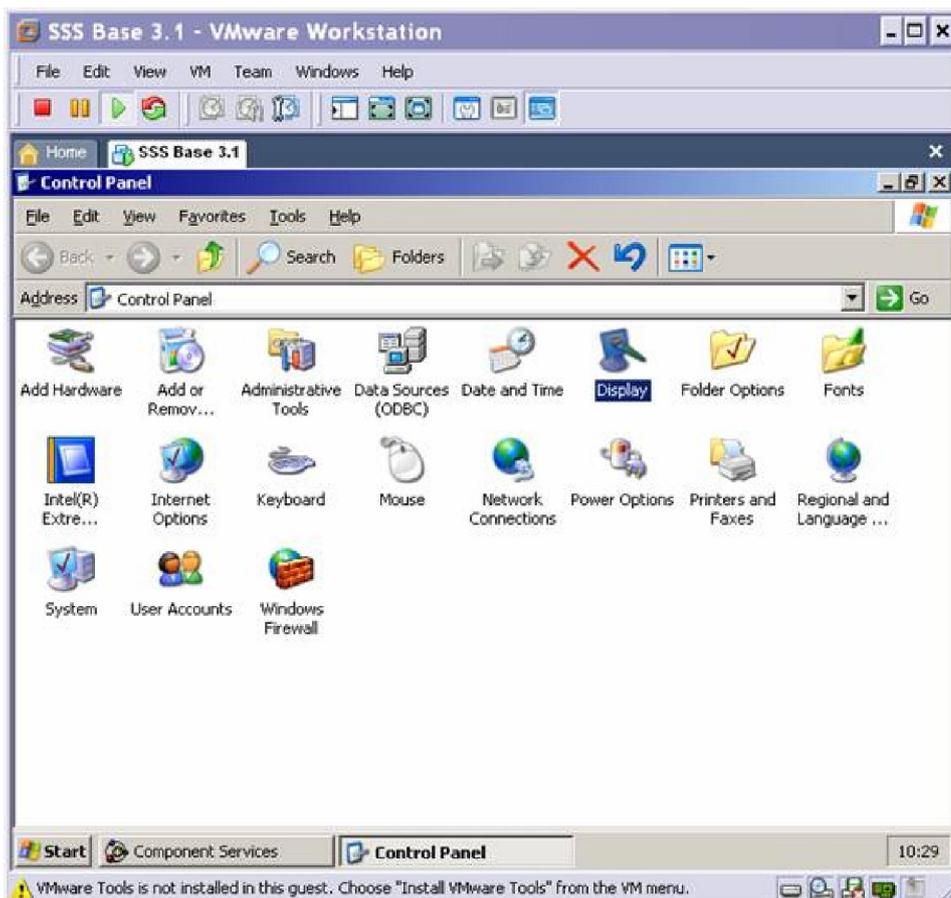
- Go the hardware tab, and open device manager



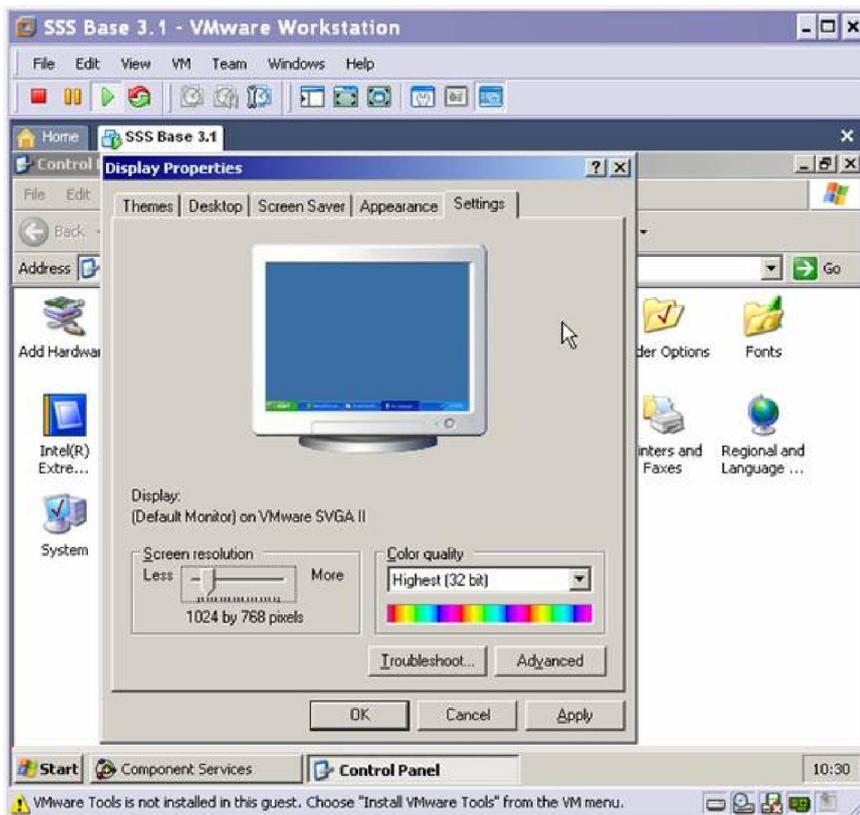
- Install each of the devices that have the yellow question mark, except for the “Unknown Device”



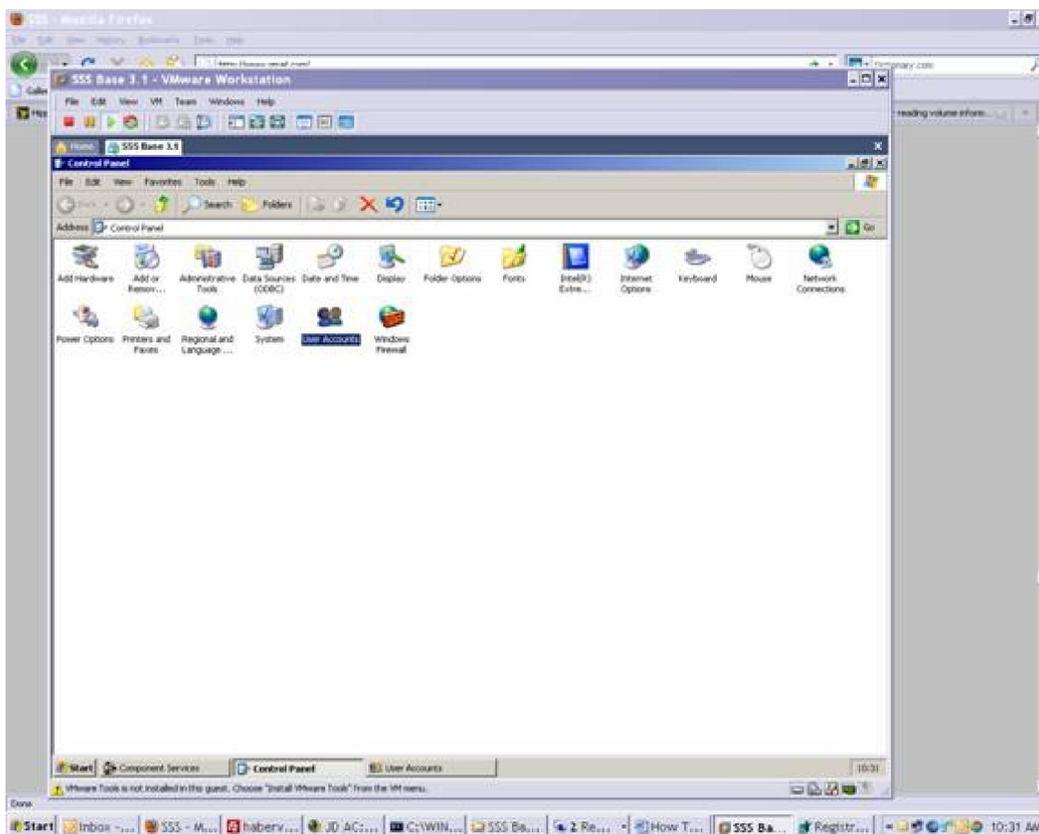
- Close Device Manager
- Return to Control Panel and open the Display applet:



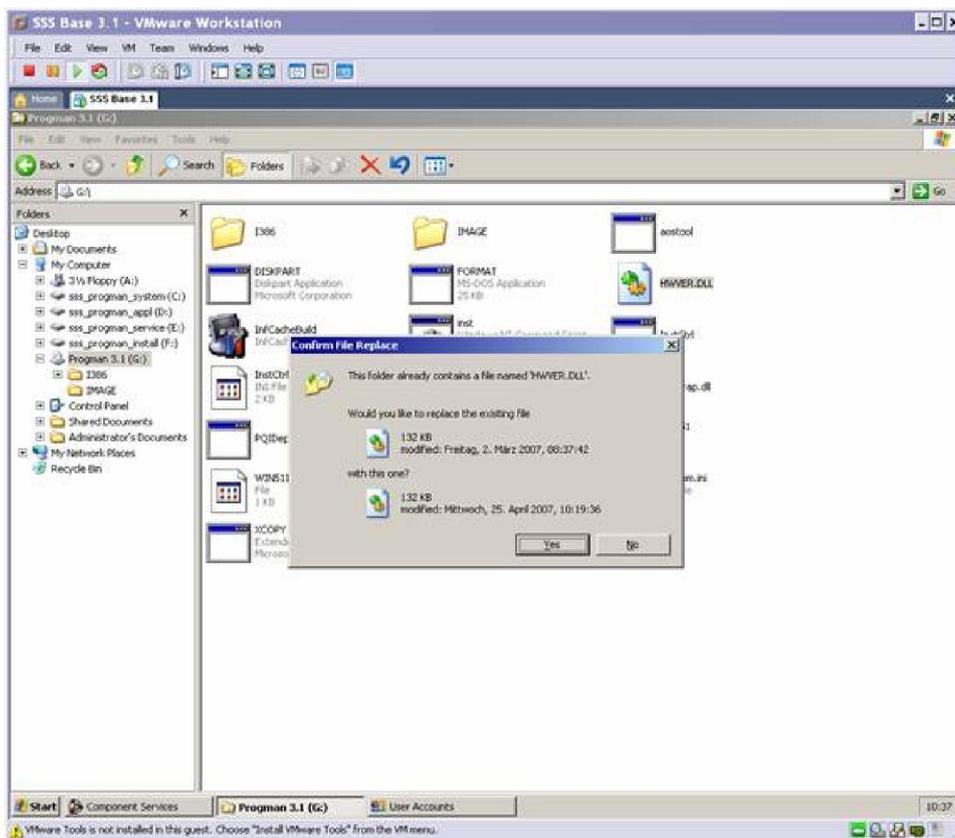
- Adjust the resolution to 1024x768



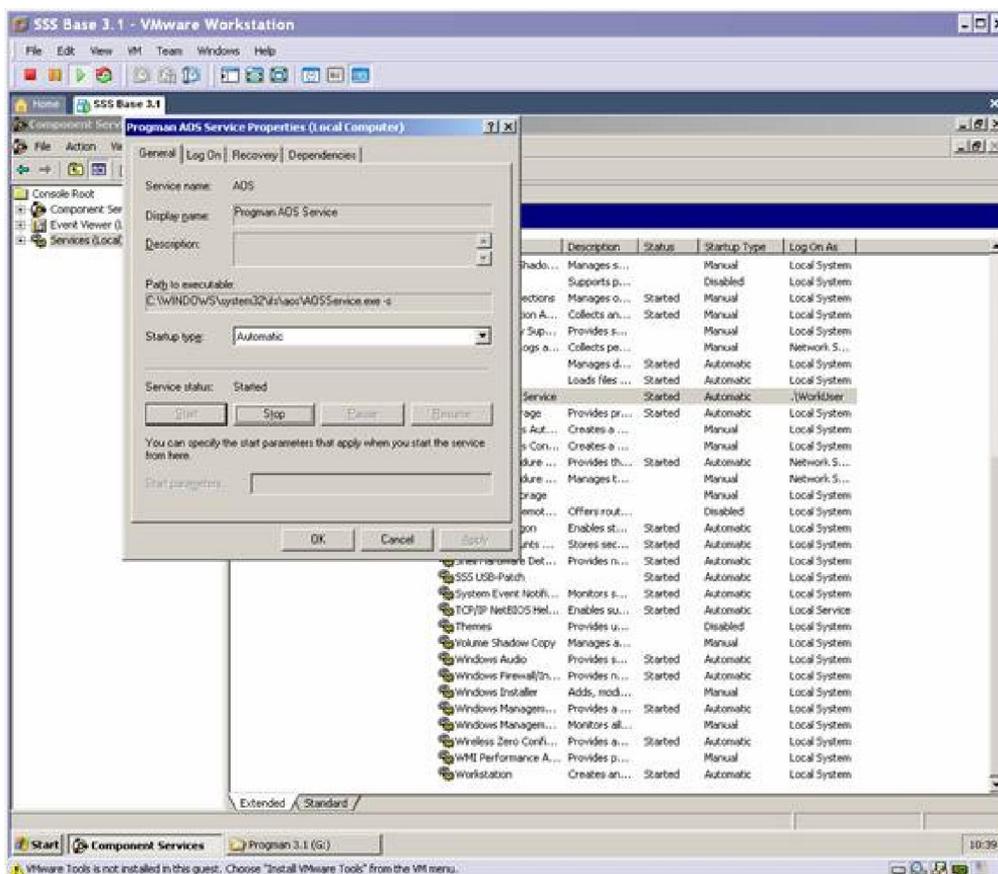
- Close Display Properties
- Open User Accounts Applet



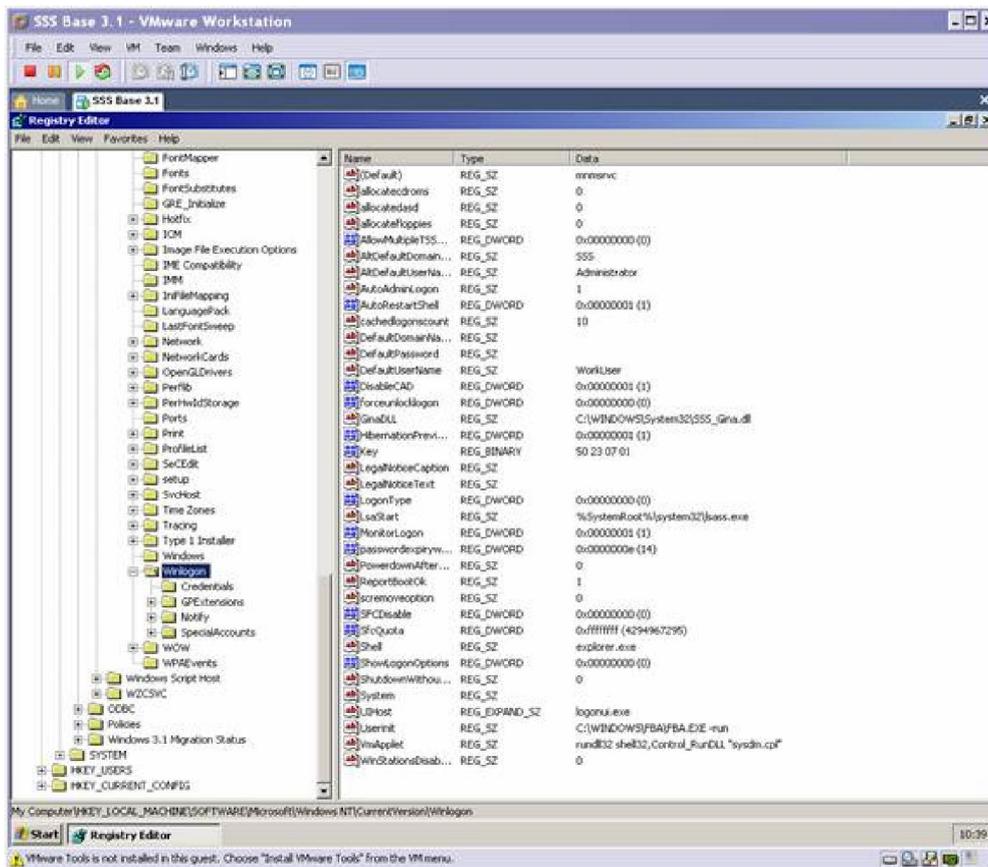
- Highlight the file and click on Edit > Copy To Folder. Select C:\Windows\System32 as the destination, and click Yes to overwrite the existing file.



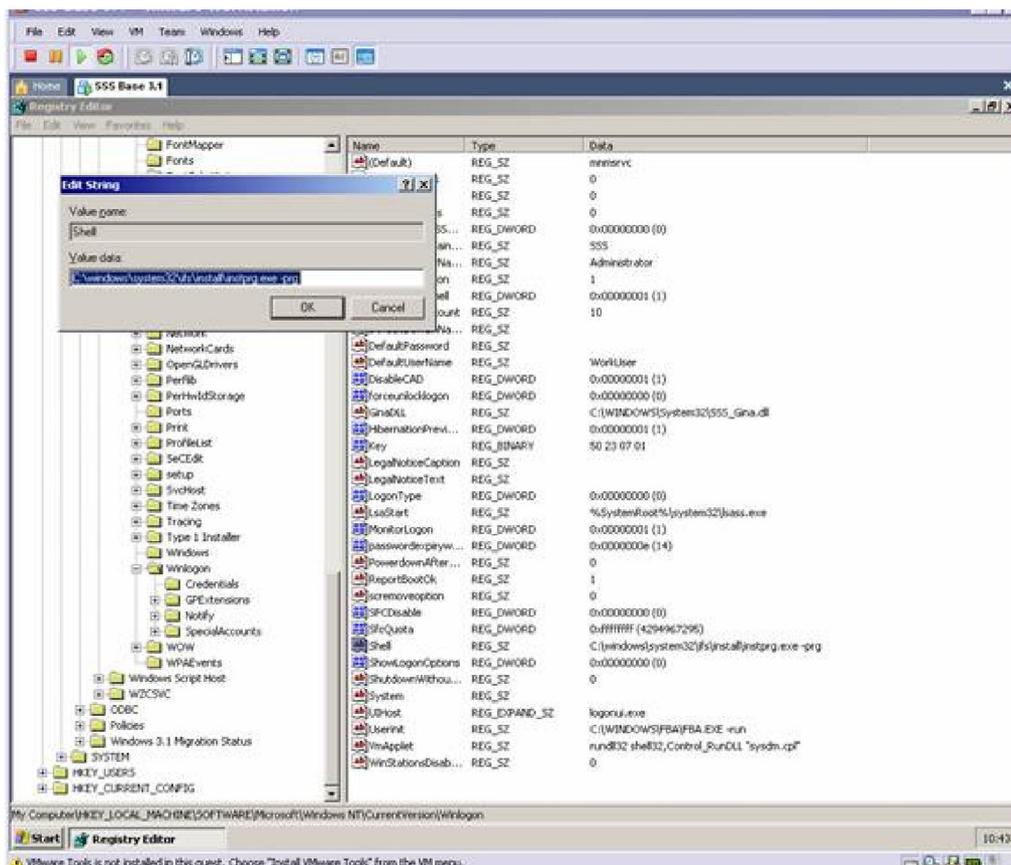
- Return to services and restart the Progran AOS service



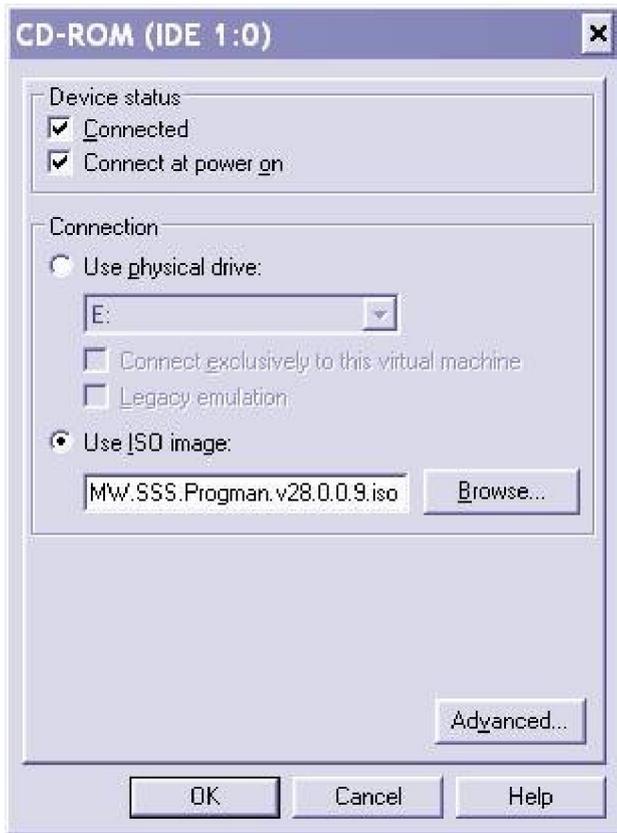
- Open Regedit in the virtual machine (press Windows key+R to bring up run menu, type in **regedit**)



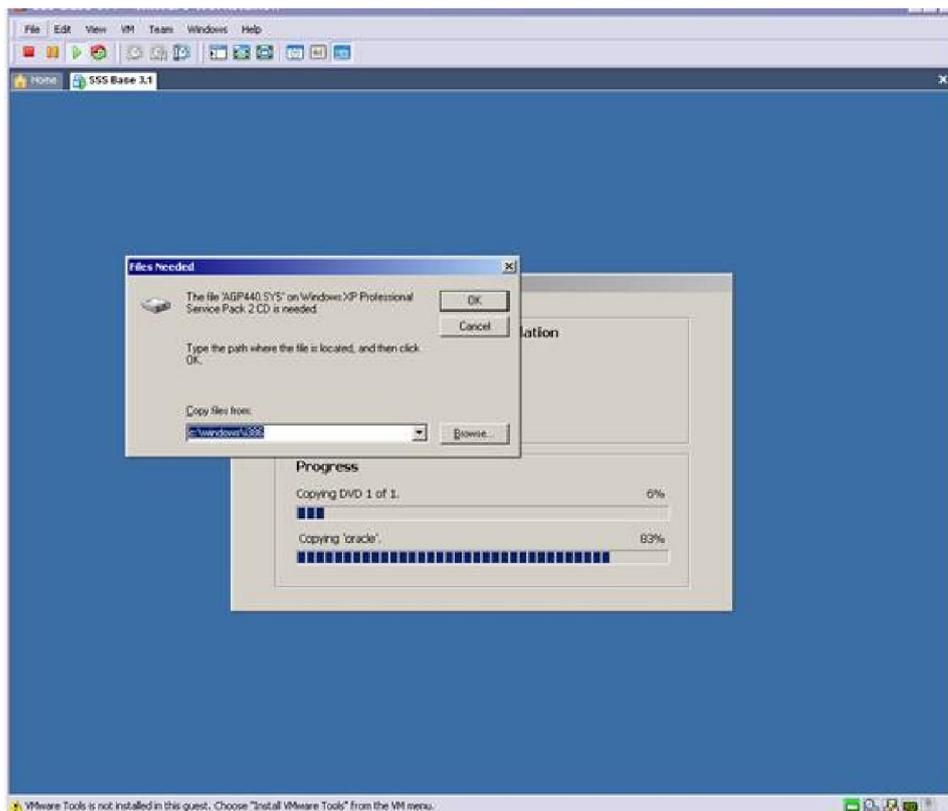
- Adjust the Shell entry to **C:\WINDOWS\system32\ifs\install\instprg.exe -prg**



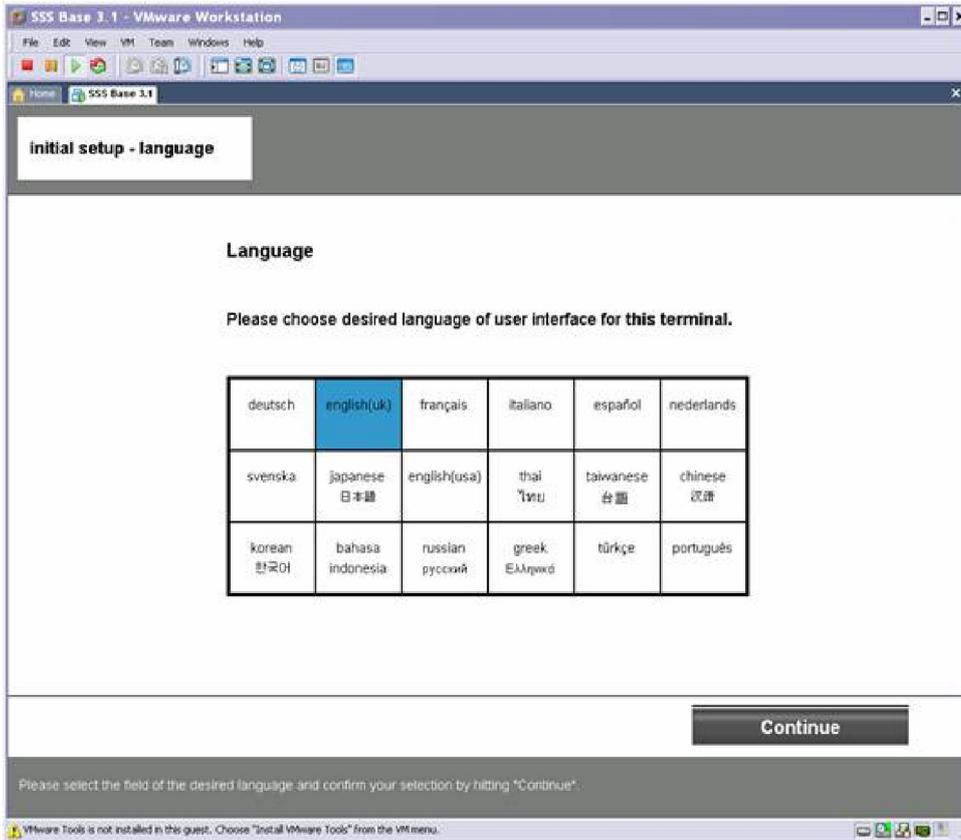
- Reboot the VM, and load the Program ISO as the CD



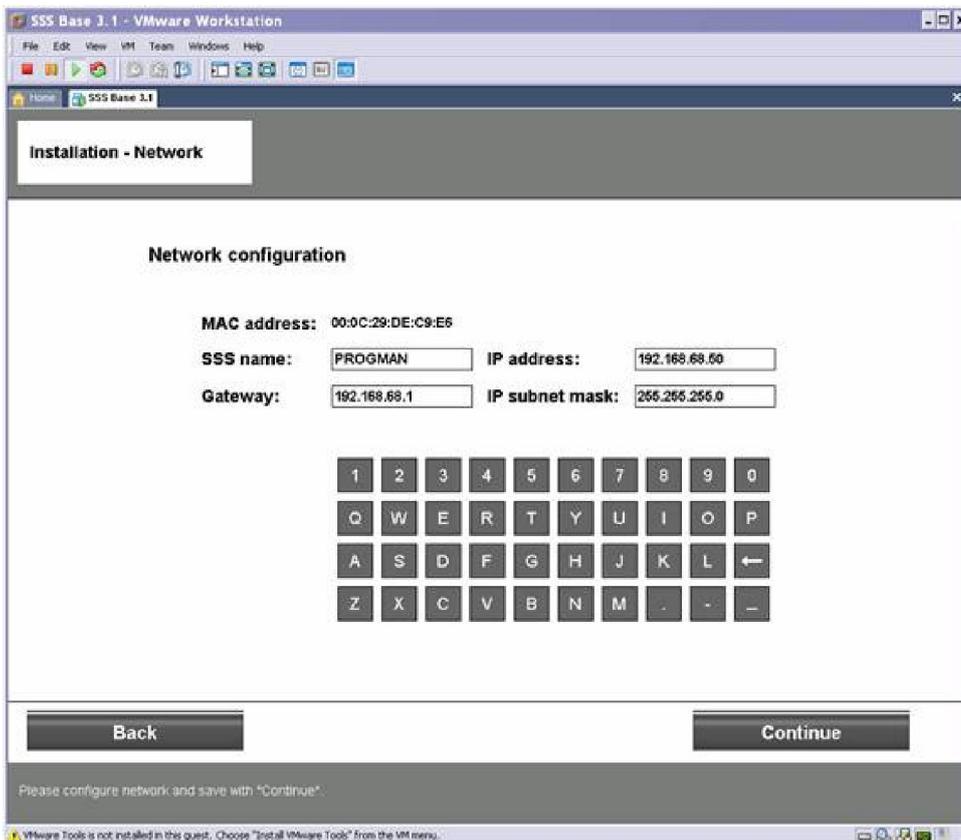
- The installation begins, and ignore or press cancel to any messages about agp440.sys at this time
- Take a break, this step takes awhile.



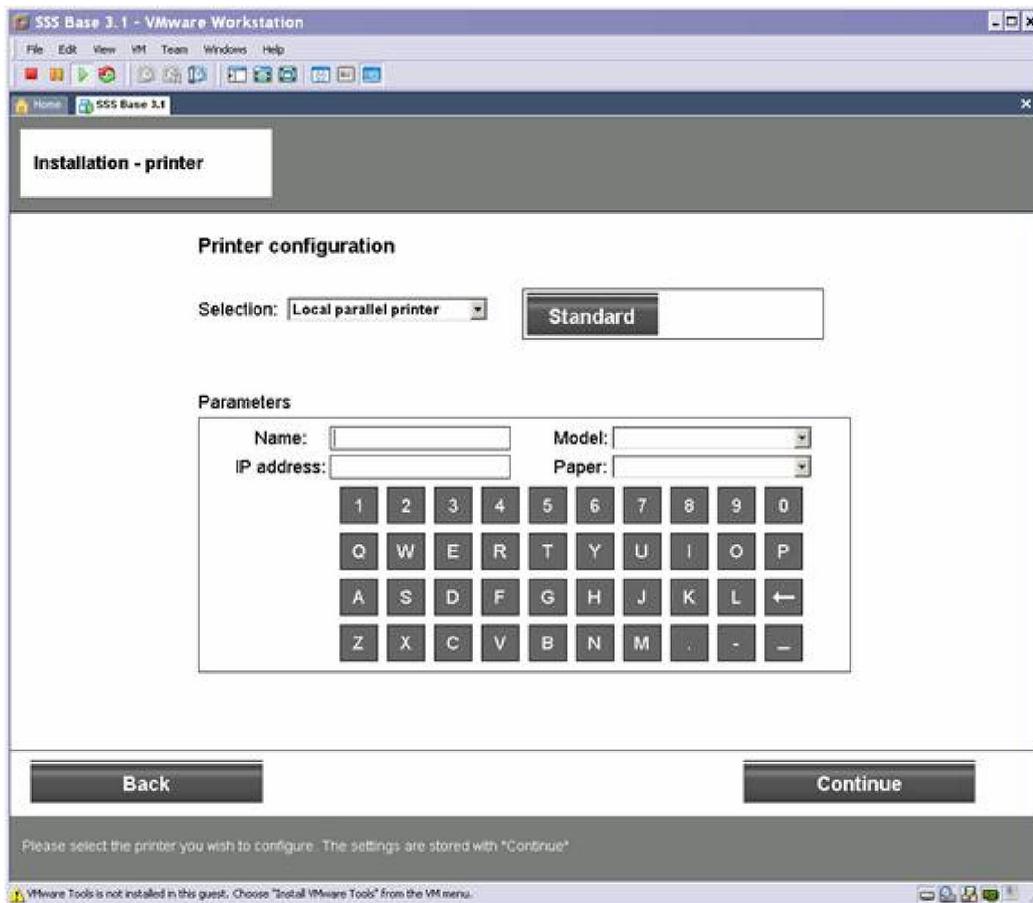
- Eventually you will see the following screen
- Select English and press Continue



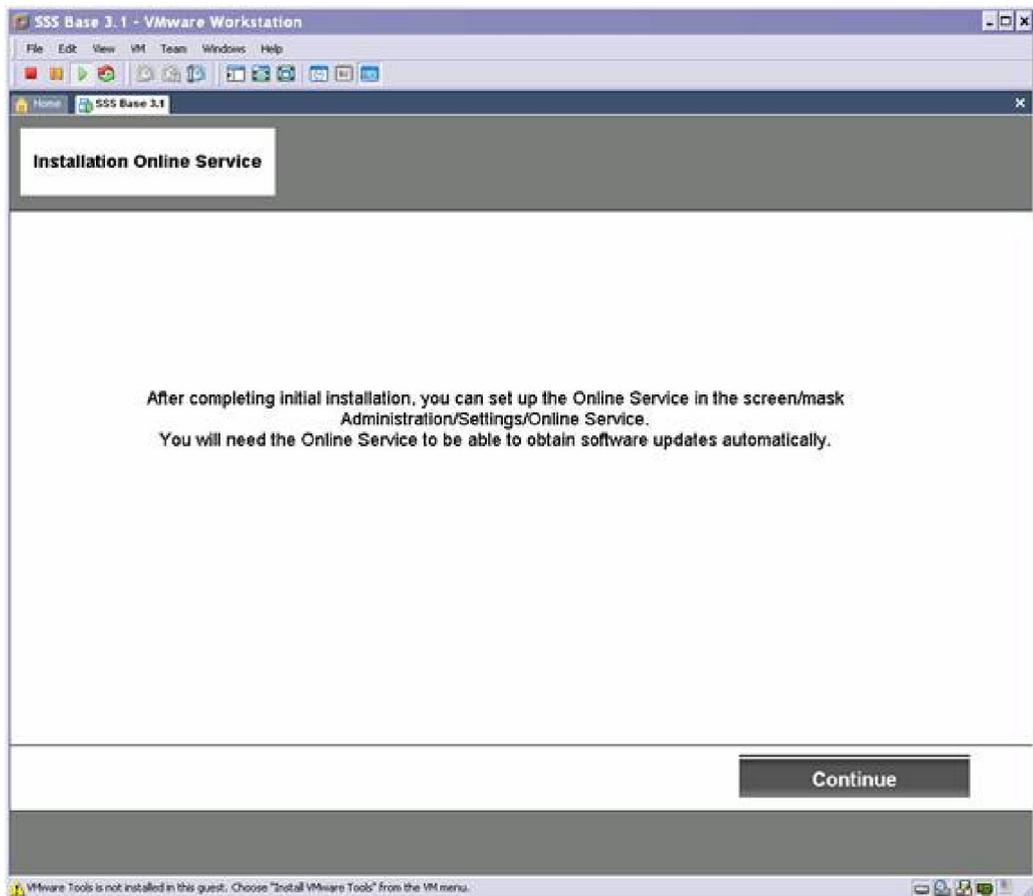
- You can name it whatever you like
- Enter **192.168.68.1** for the Gateway



- Just leave the Printer info blank and press continue



- When you see this screen, simply press continue



- Enter 12345 for Dealer Number, you can make up the rest of the info:

Installation - Dealer Data

Dealer data

Dealer number: 12345 Brand: BMW Dealer name: Lord Vaders Auothaus Contact in event of problems: Emperor Palpatine

Country: Thailand, The Netherlands, Togo, Trinidad and Tobago, Tunisia, Turkey, **U.S.A.**, Ukraine, United Arab Emirates, United Kingdom, Uruguay, Venezuela, Vietnam, Yemen, Zambia, Zimbabwe, Other Countries

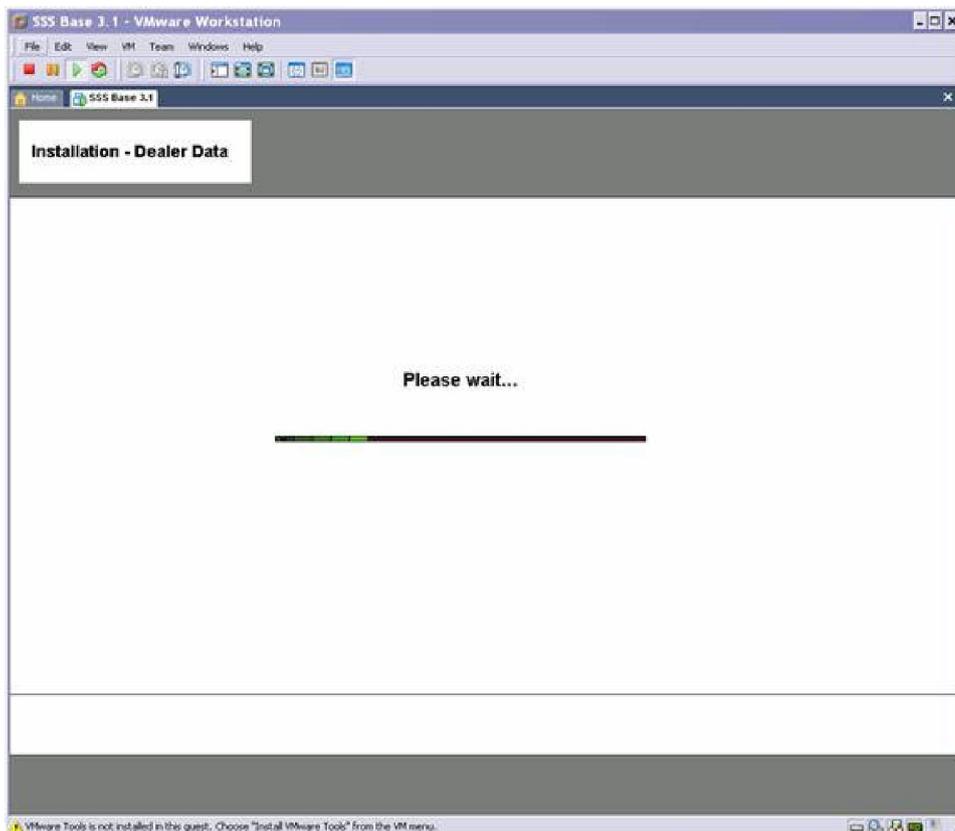
Dealer address: The Death Star, Mail drop THX1138, Orbiting Moon of Ender Telephone: 303-303-0330 e-mail address: darkhelmet@thedeathstar.com

Back Finished

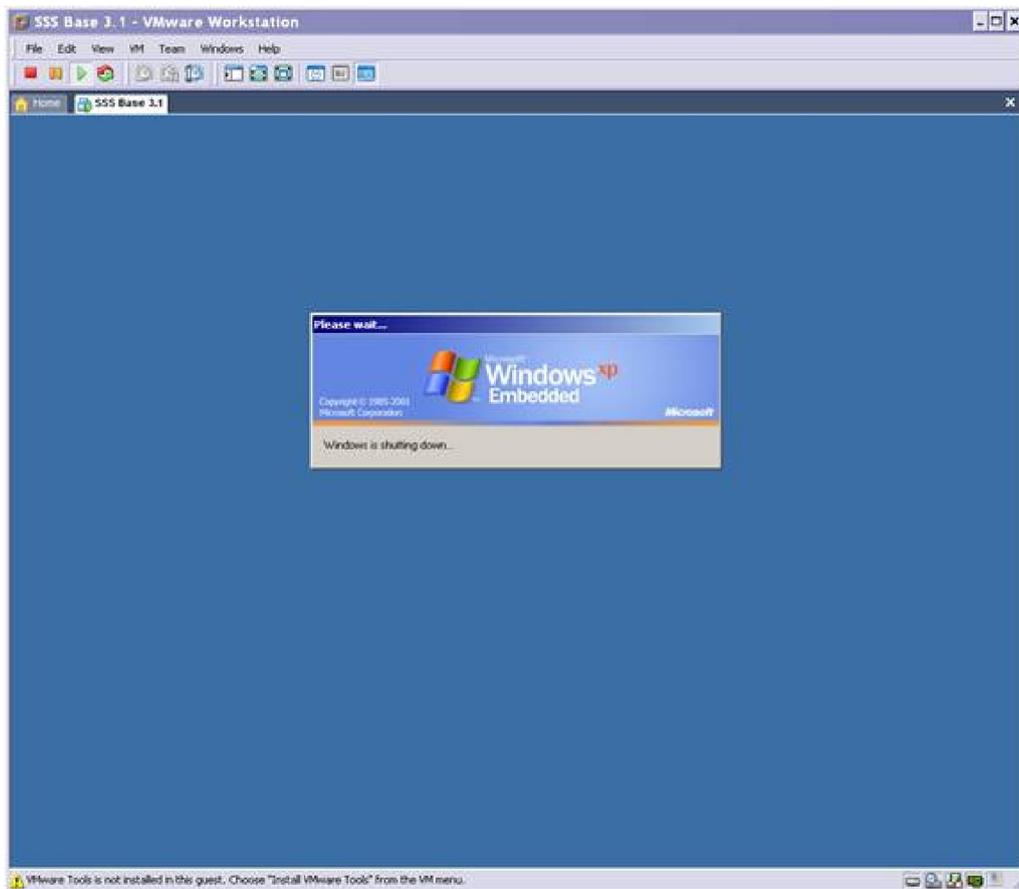
Please complete all your company details and terminate the SSS installation with "Finished".

VMware Tools is not installed in this guest. Choose "Install VMware Tools" from the VM menu.

- Click Finished
- Please Wait



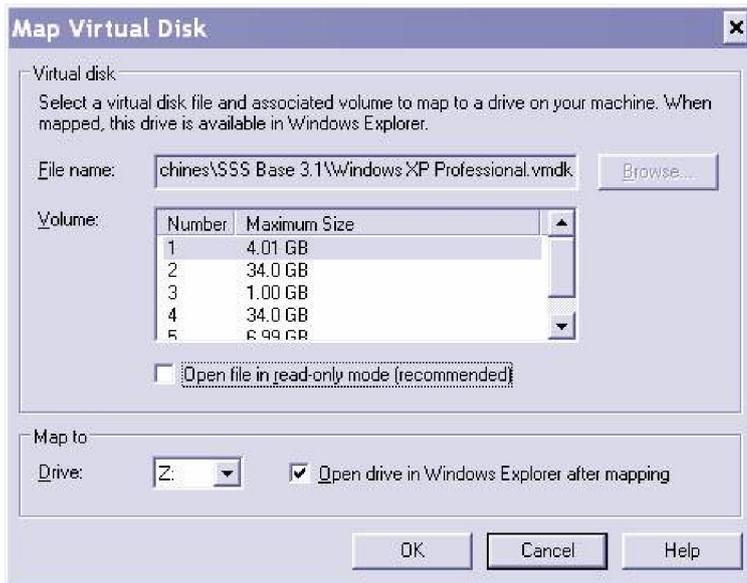
- Windows Shuts down, and attempts to reboot



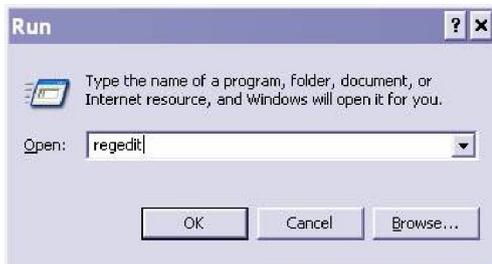
- Power Off the Virtual Machine, we are not quite ready to run Progman yet:
- Once again open the properties for the hard drive and click Utilities > Map:



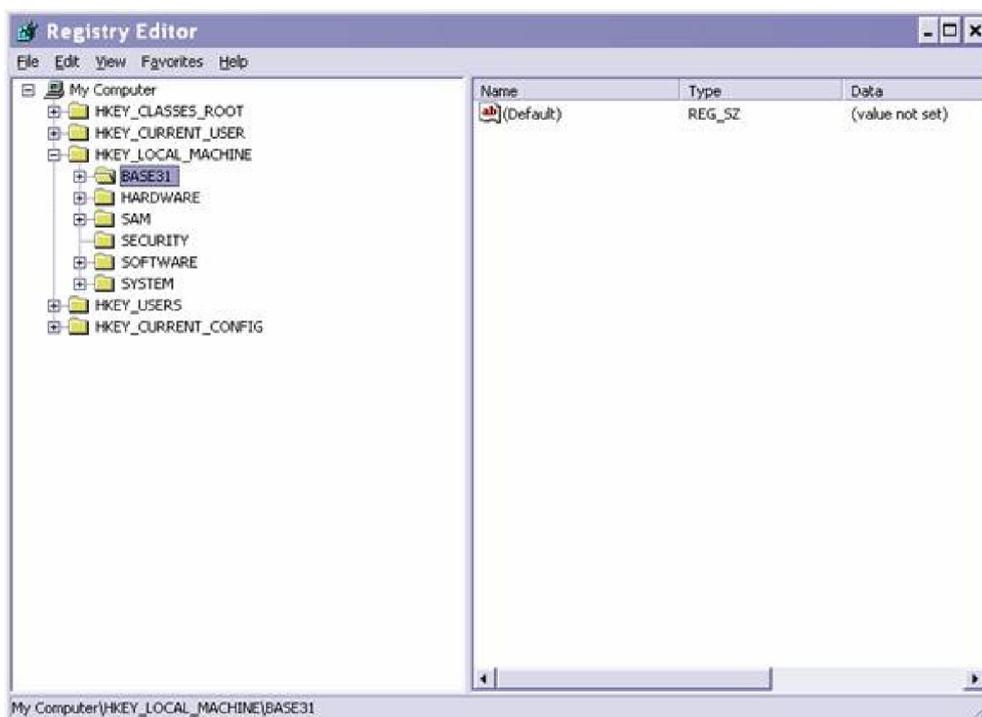
- Map the first drive, (remember to remove the read-only checkmark)



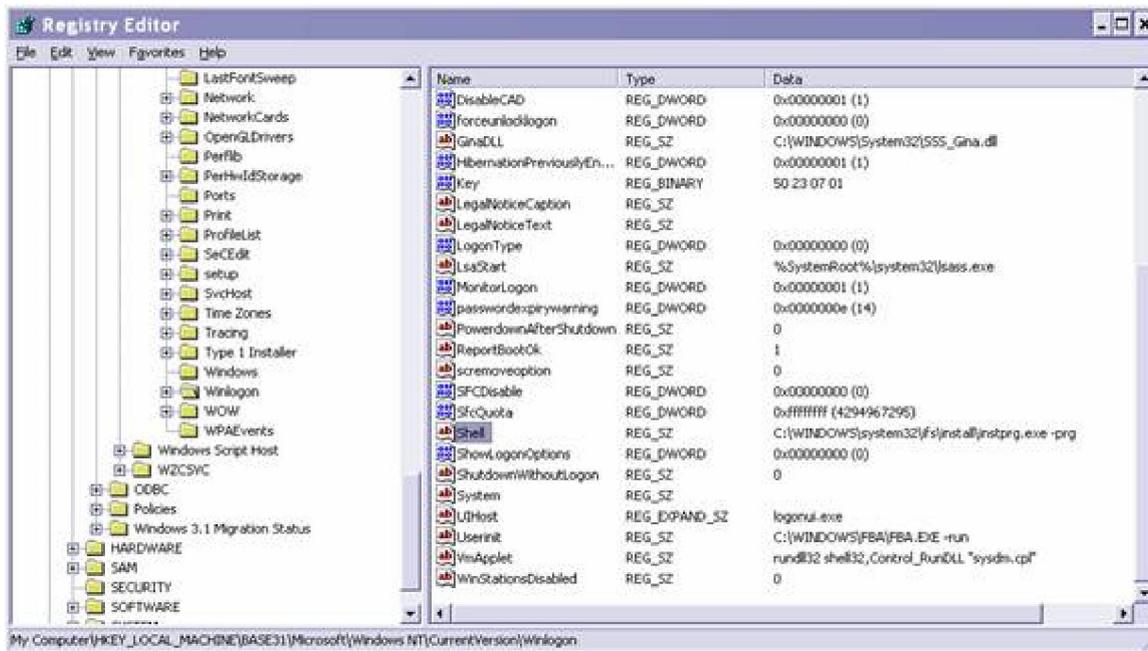
- Open Regedit



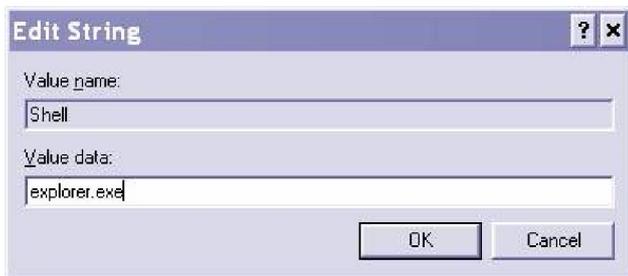
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- Browse to the file Z:\Windows\System32\Config\Software
- Give the hive a name like BASE31
- It will show up in the registry



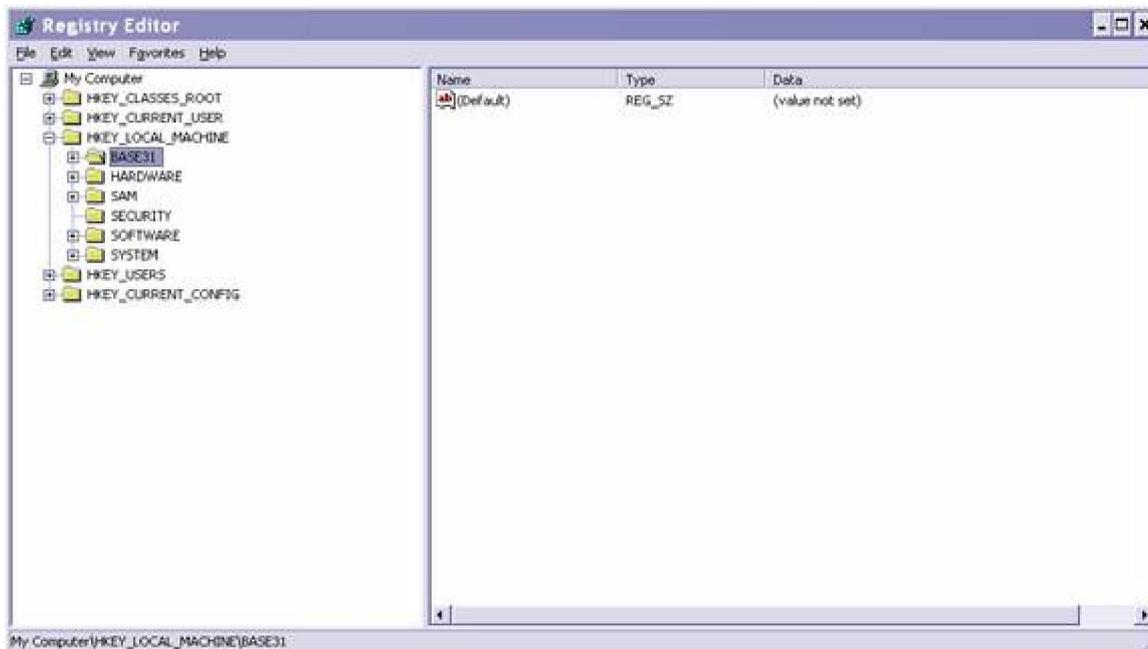
- Browse to BASE31\Microsoft\Windows NT\Current Version\Winlogon
- Find the value of SHELL and double-click it



- Change the value to Explorer.exe



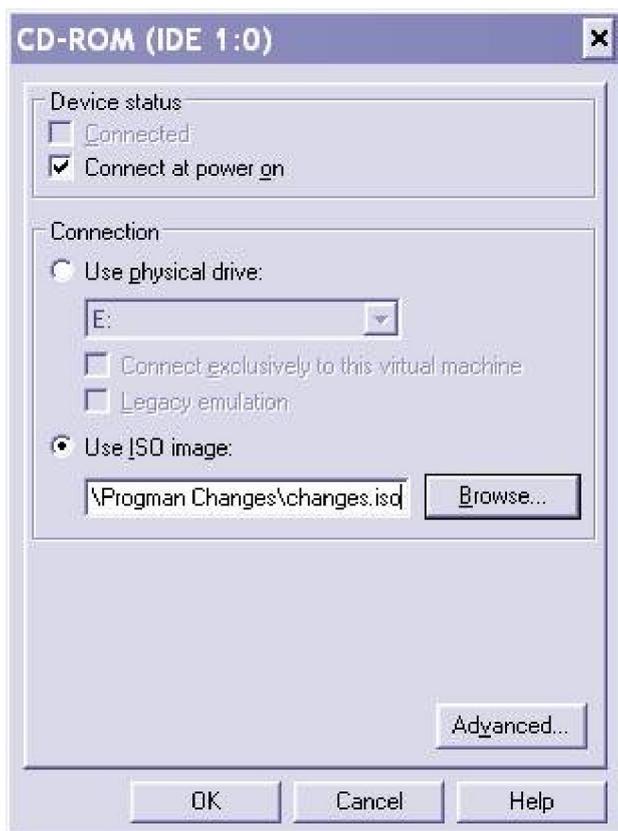
- Collapse the folder tree so that BASE31 is highlighted



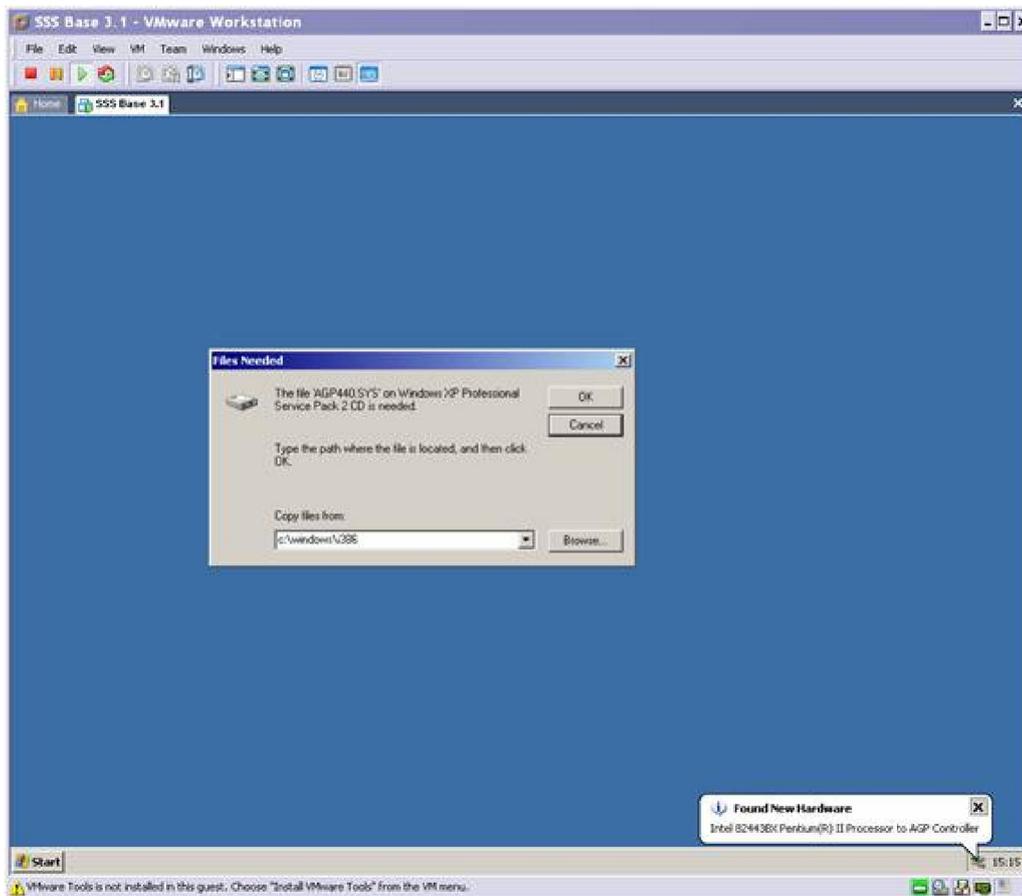
- Click File > Unload Hive.
- Close registry editor
- Return to VMware, open the properties for the hard drive and select Utilities > Disconnect



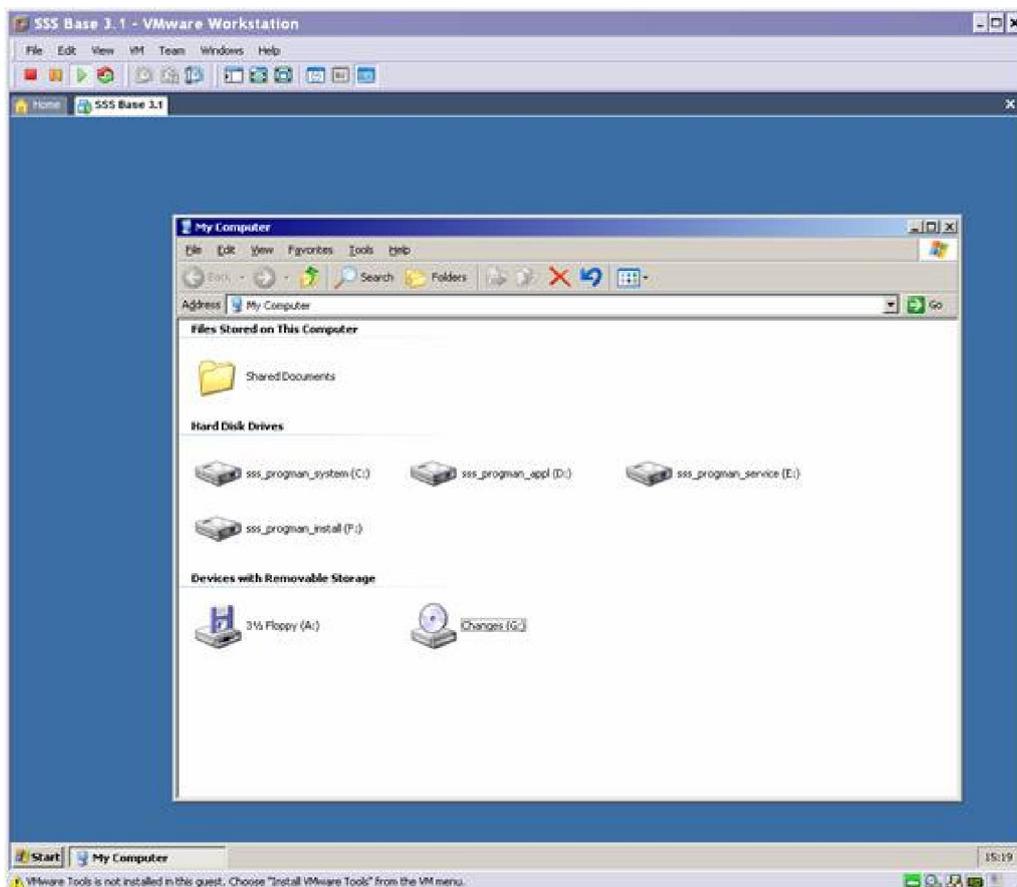
- Open the properties for CD drive and load the changes.iso file



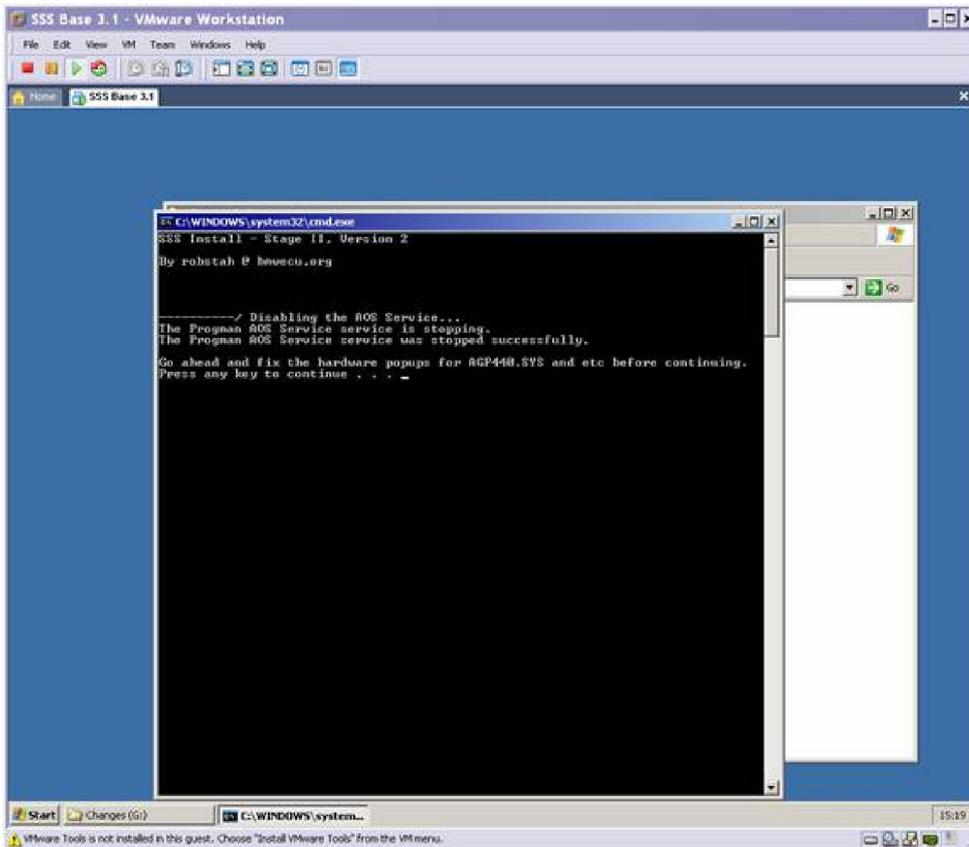
- Start the VM and it will boot into Windows and press cancel to any messages about agp440.sys



- Open My Computer

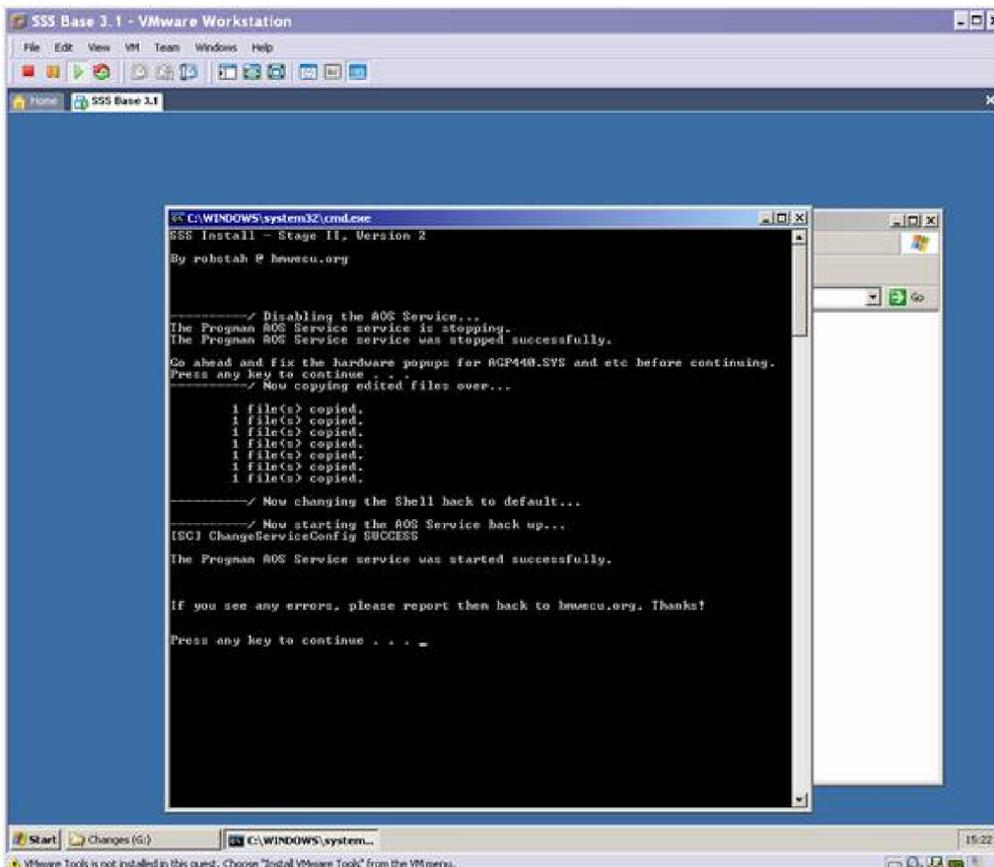


- Double click the CD drive (Changes (G:) 😊) and a command window should open:

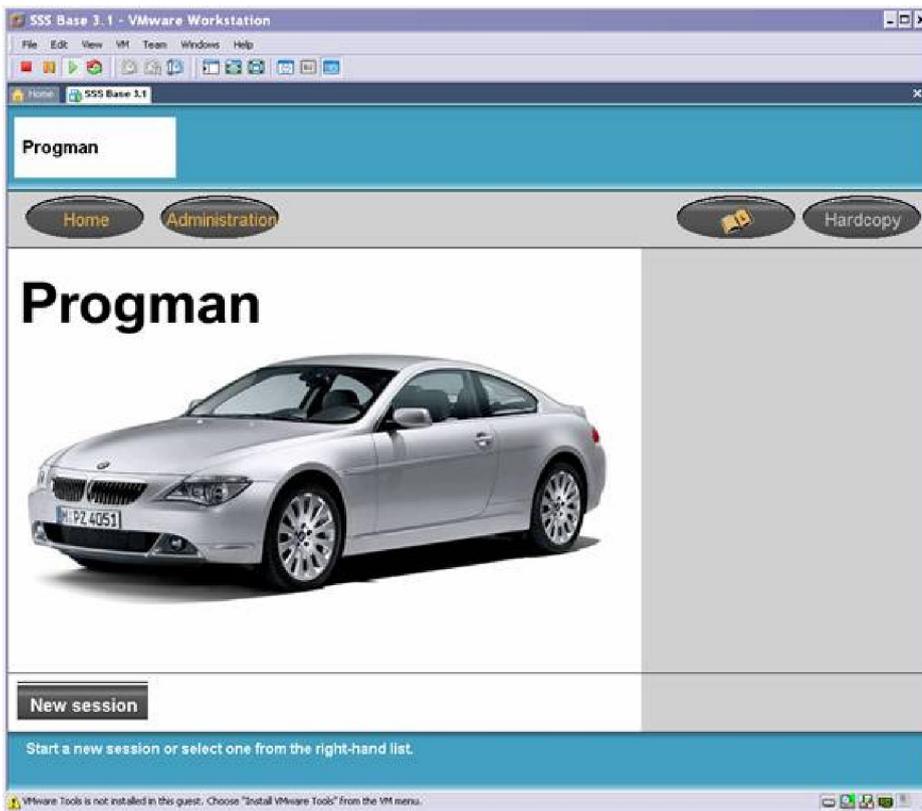


If the command window does not open, and instead you see the contents of the drive, double-click the file `sss_stage2`

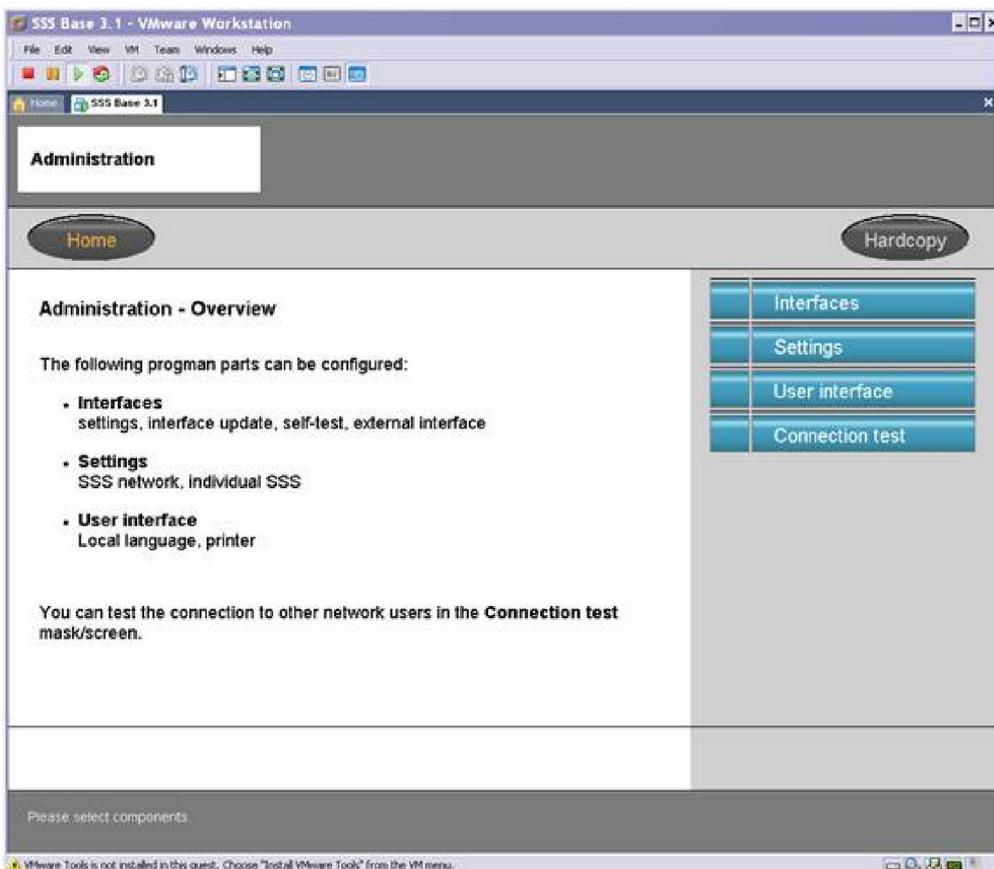
- Press any key to continue
- You'll see the following screen, and again press any key to continue



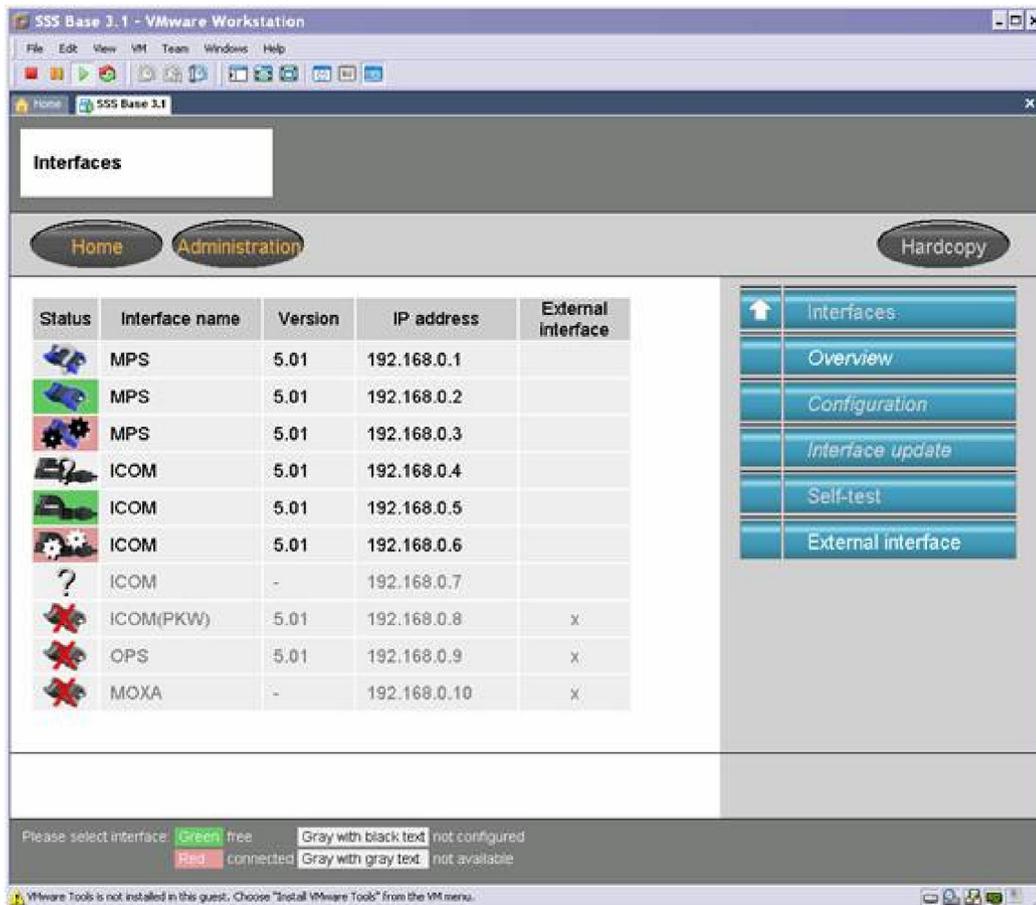
- Reboot the VM (Start > Shutdown >Restart)
- While you wait for the VM to restart, launch IFHSrv32.exe from the C:\EDIABAS\Bin folder.
- Progman is up for the first time finally



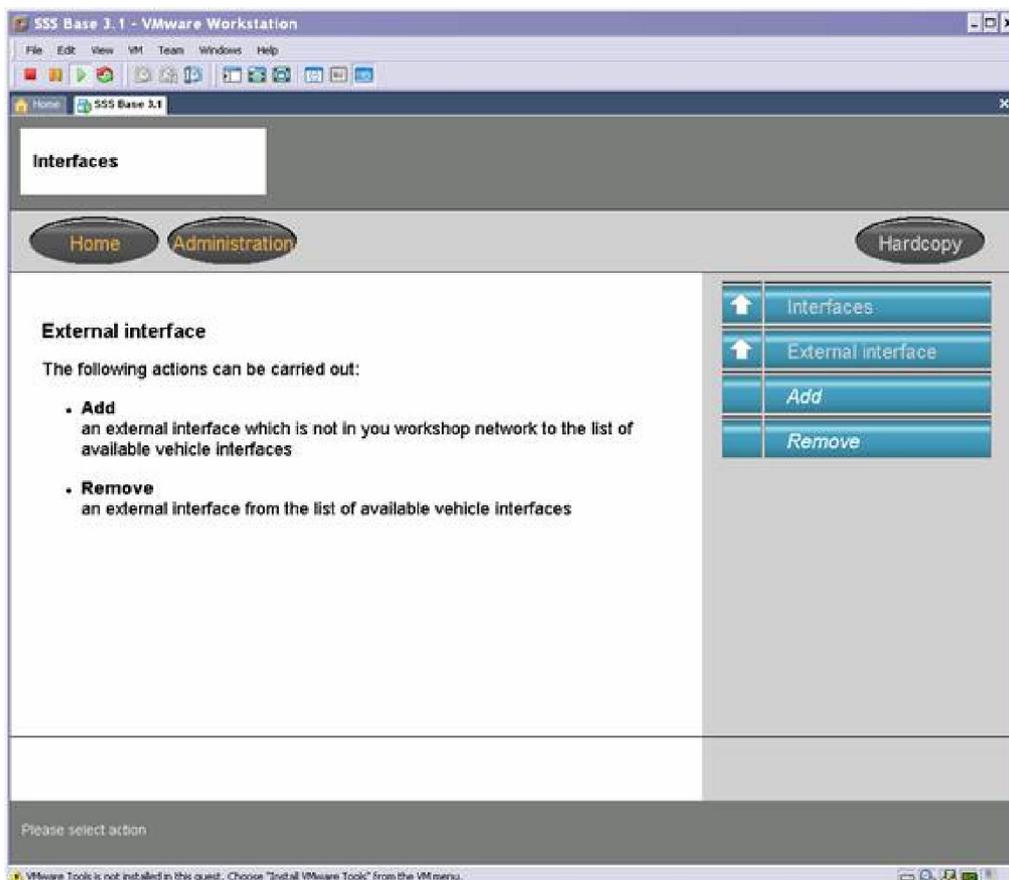
- Click on Administration and the following screen appears



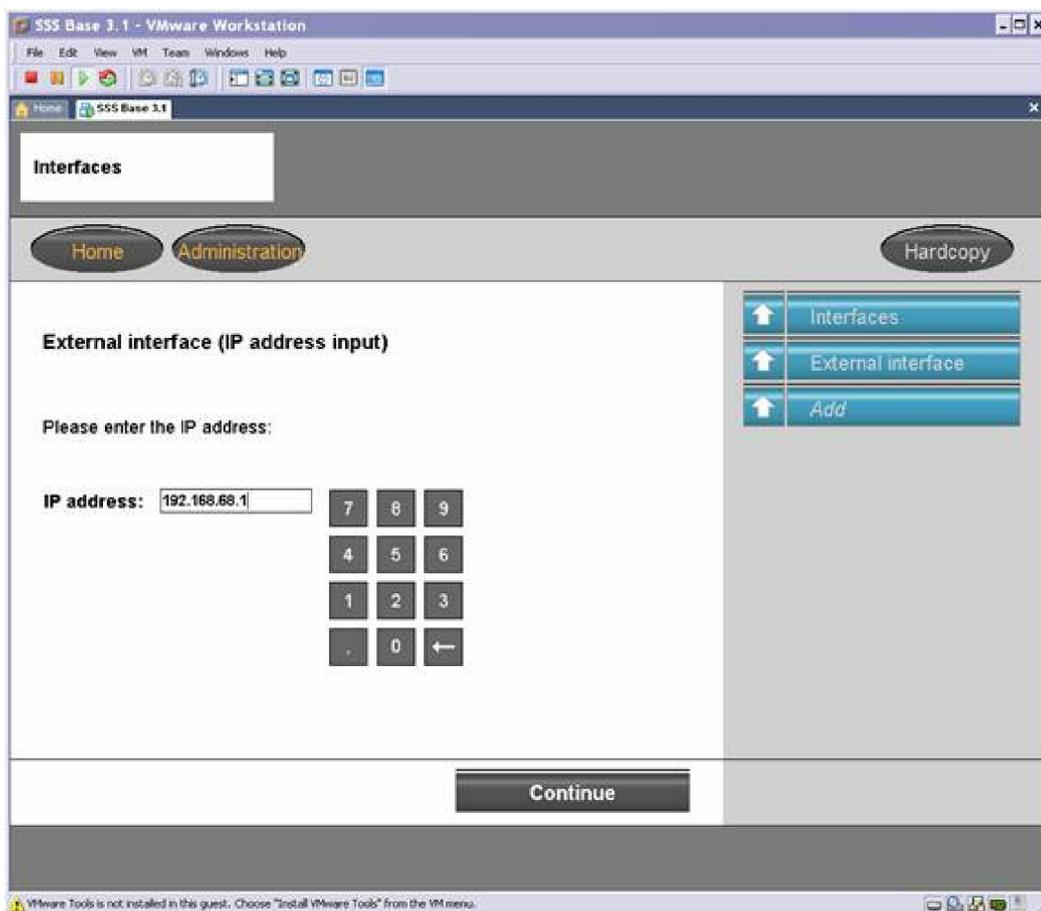
- Click on interfaces and you see this screen:



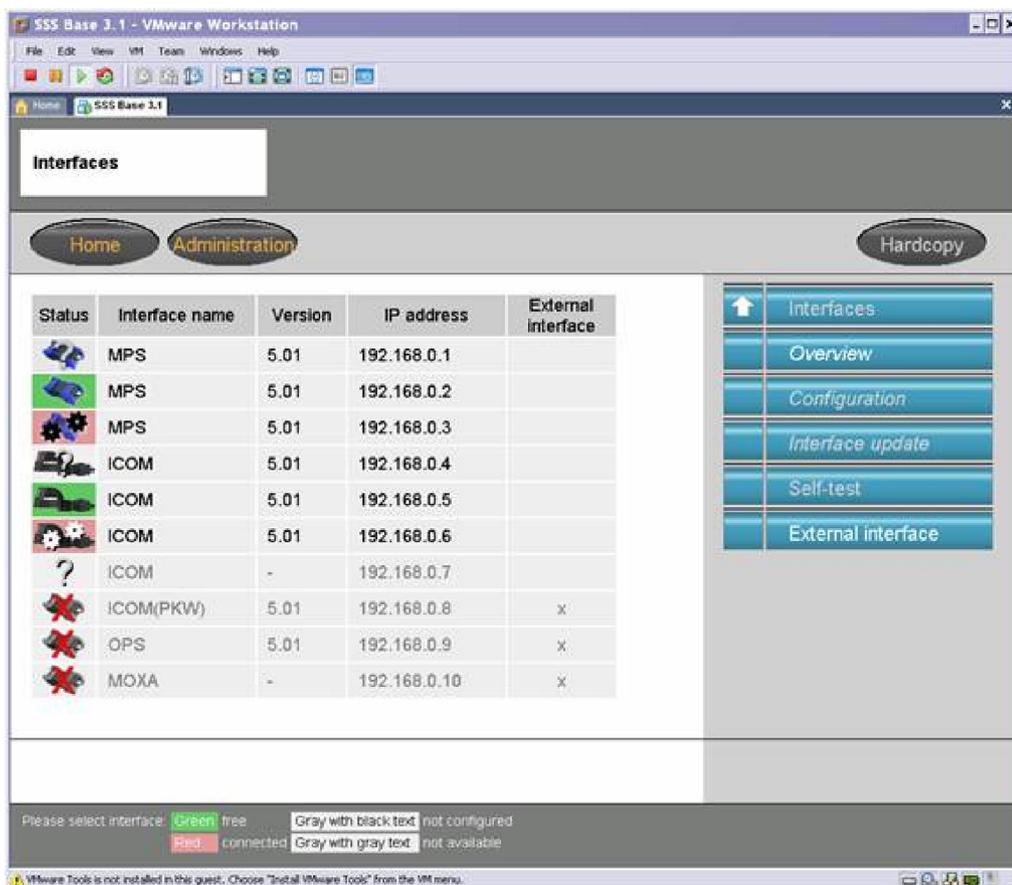
- Click on External Interface, and click Add



- Enter **192.168.68.1** for IP address and press continue

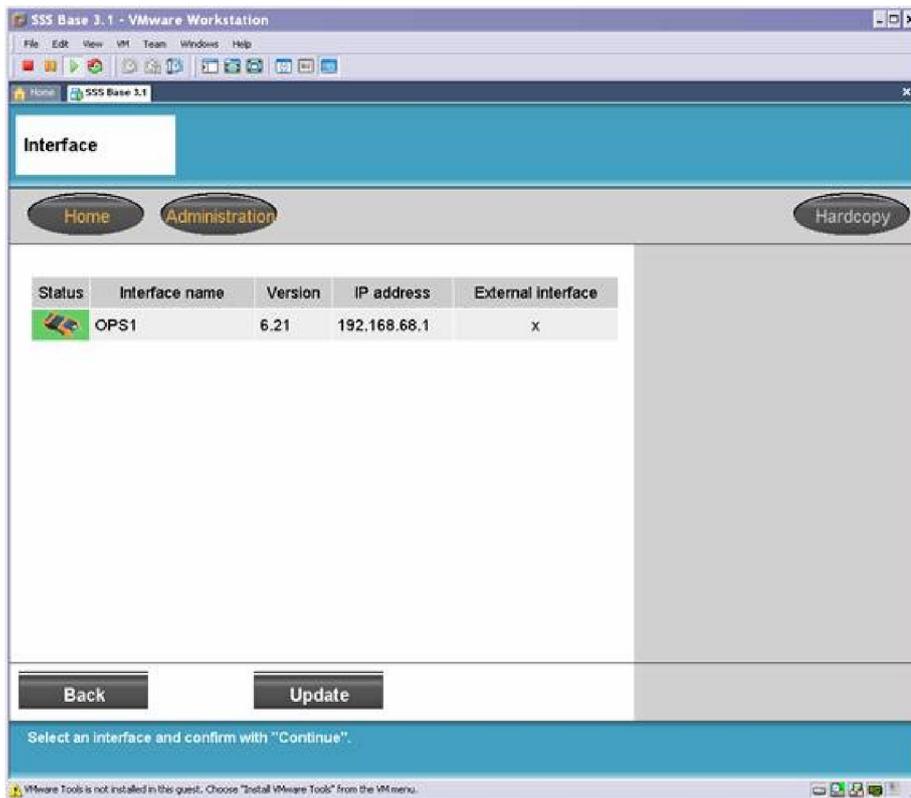


- It takes you back to the interface screen, so just click on Home

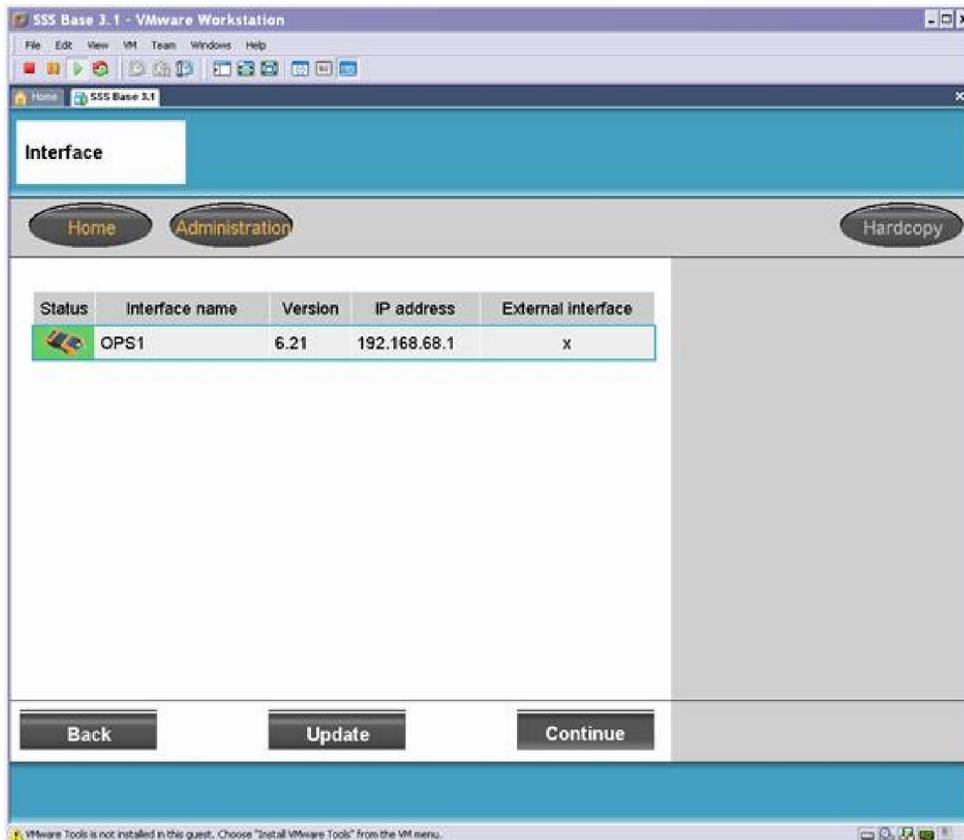


Using Progman with your BMW

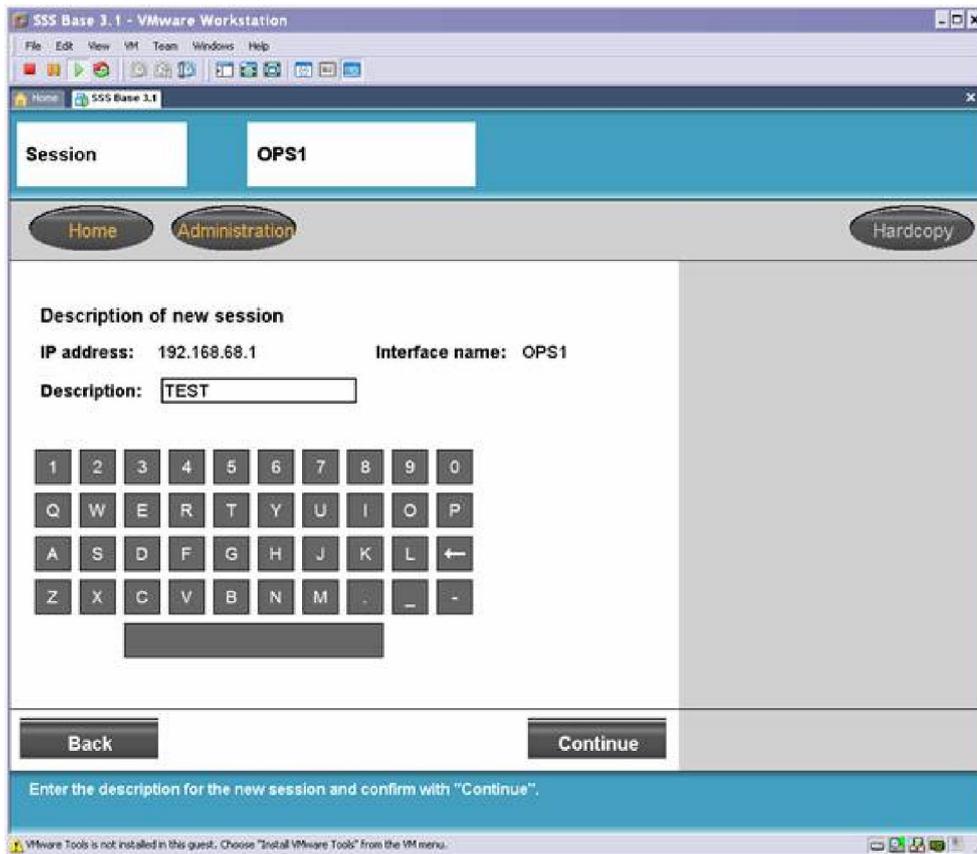
- Connect your interface cables and verify that Carsoft, and INPA can communicate with the DME
- In SSS\Progman, click on New Session and you should see this:



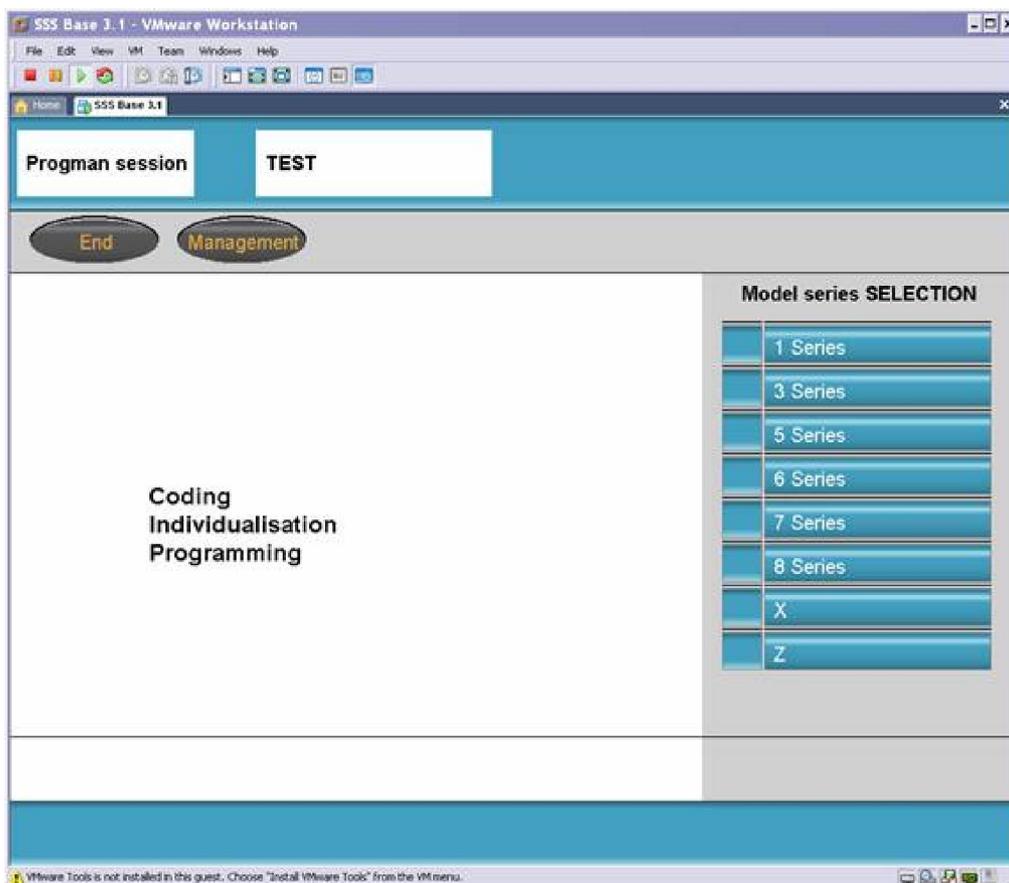
- Highlight the interface by clicking on it, and press continue

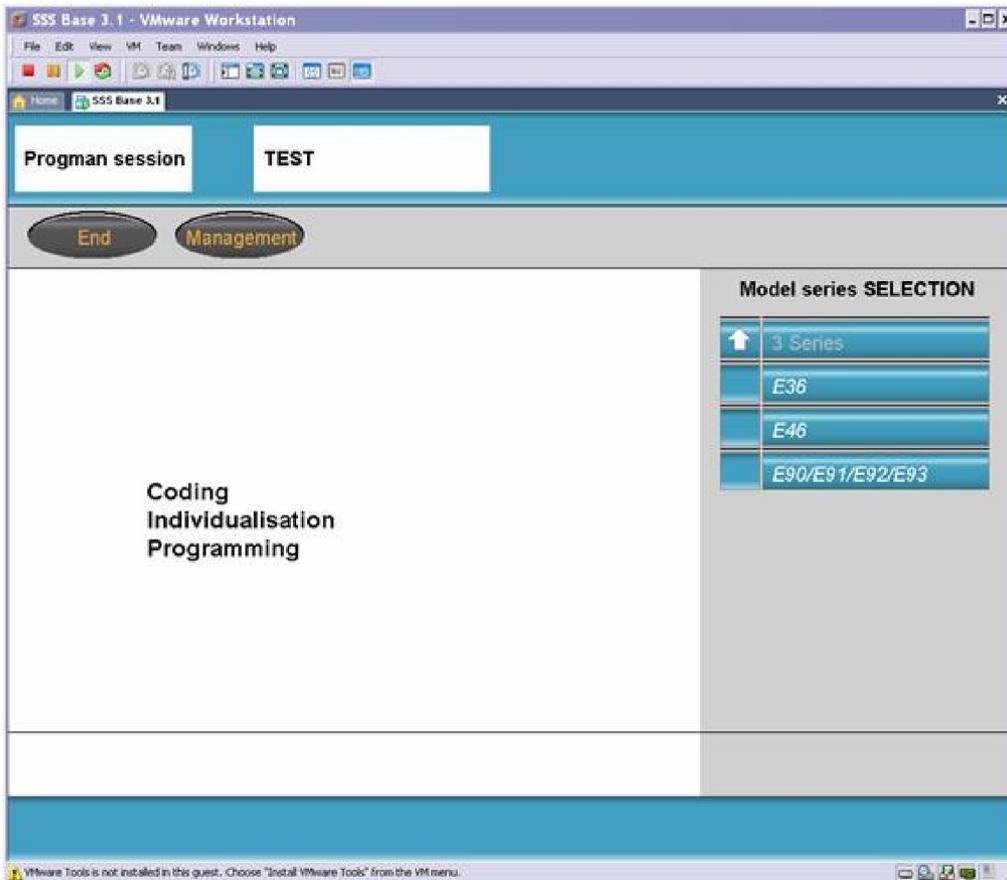


- Enter any name that you would like for the session and press continue

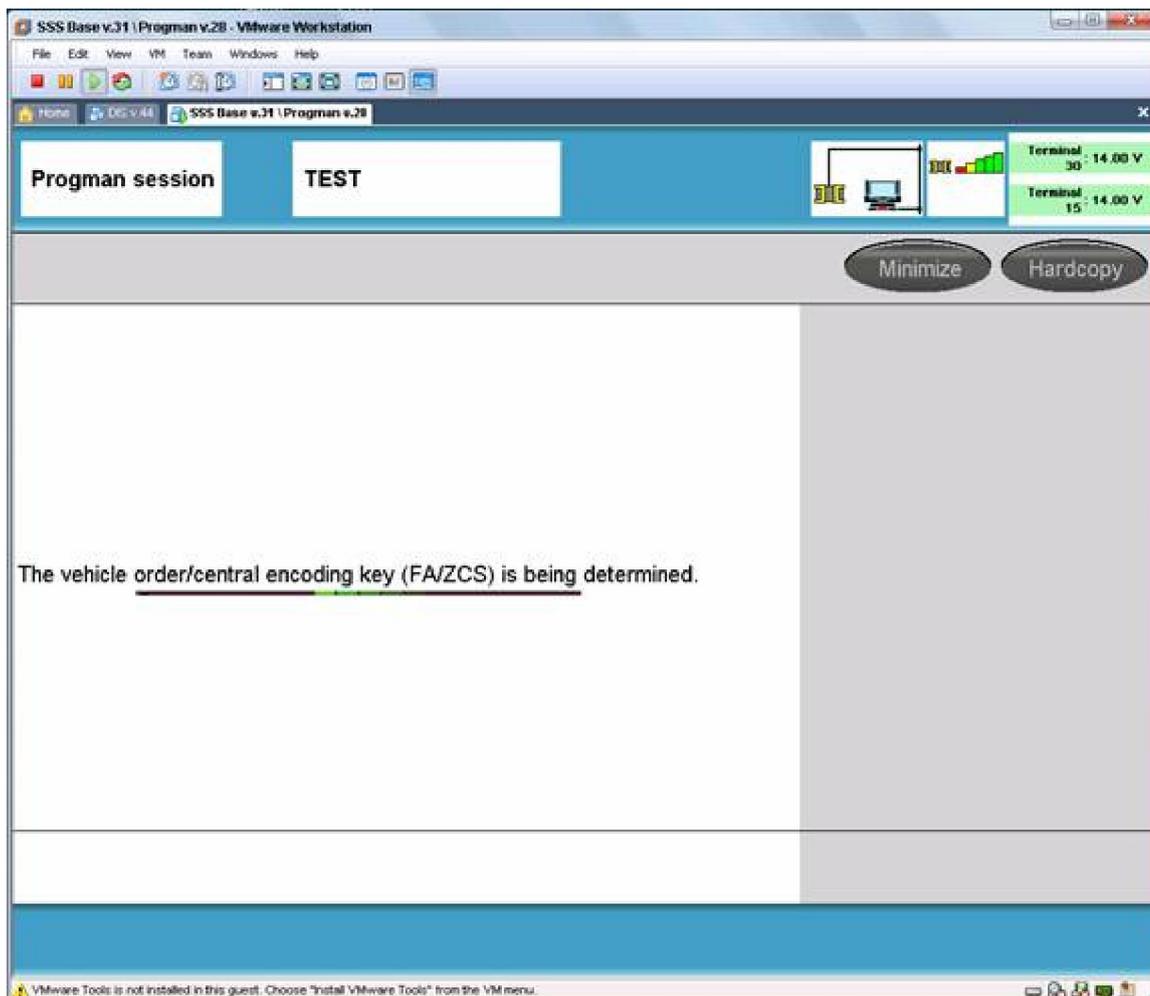


- Continue by selecting your type of car (I am connecting to a 2001 325xi, so I selected 3 series > E46):

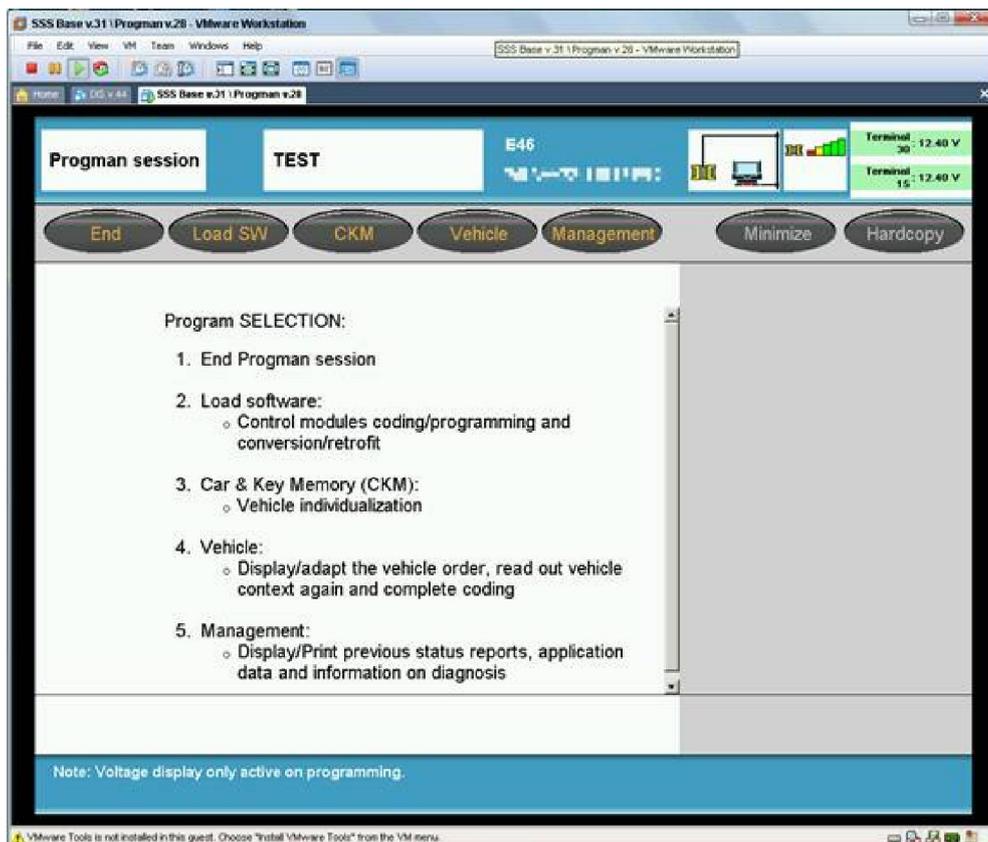




- Then you should see this screen, it takes a few minutes to get through:

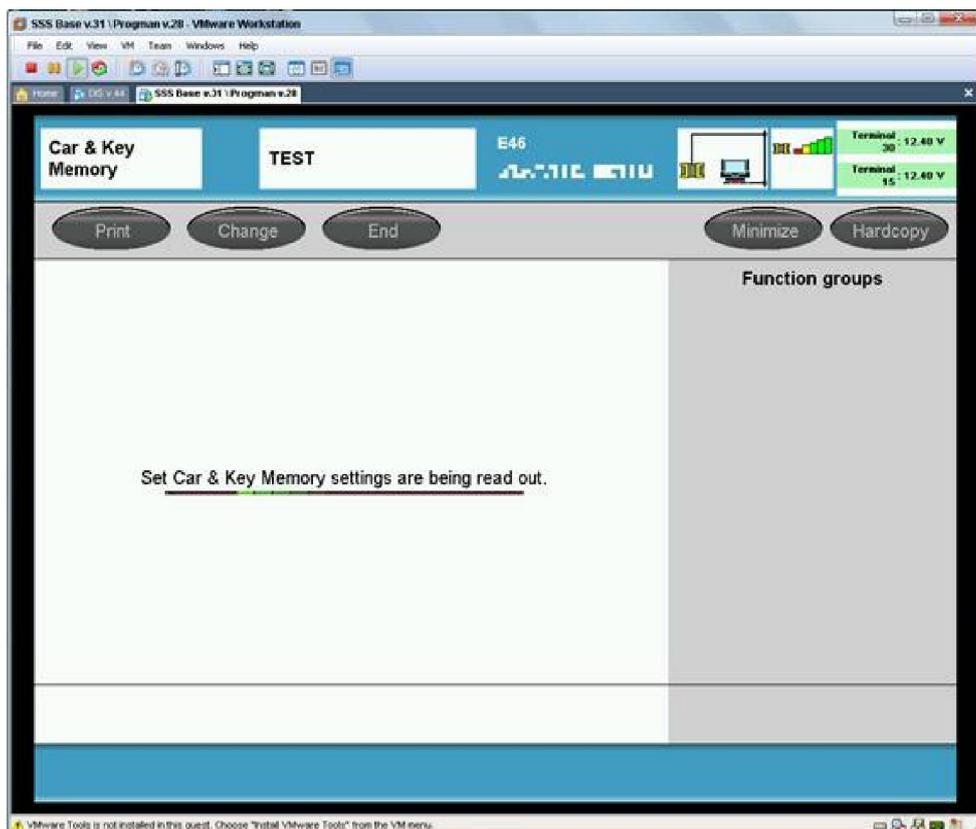


- You should see this screen eventually

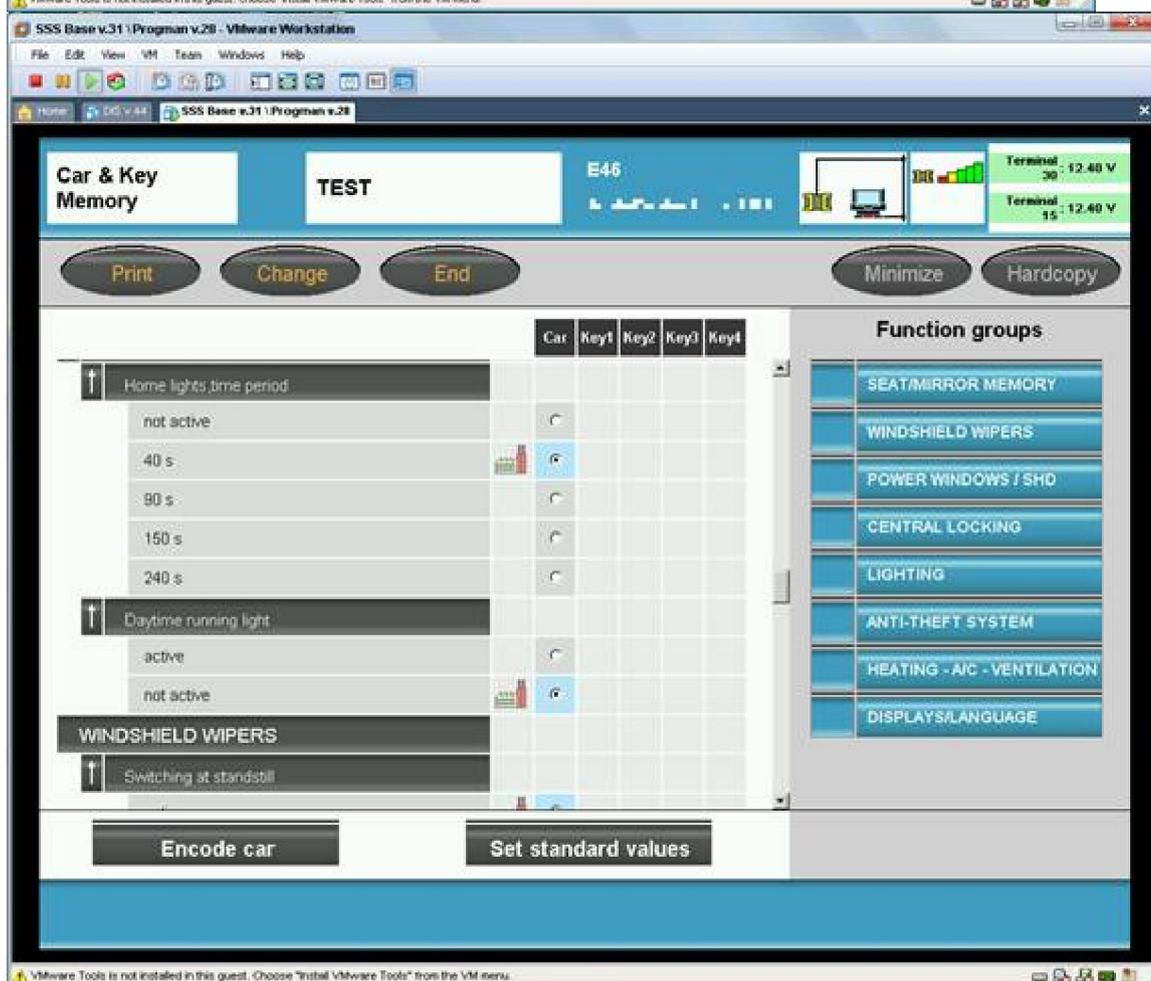
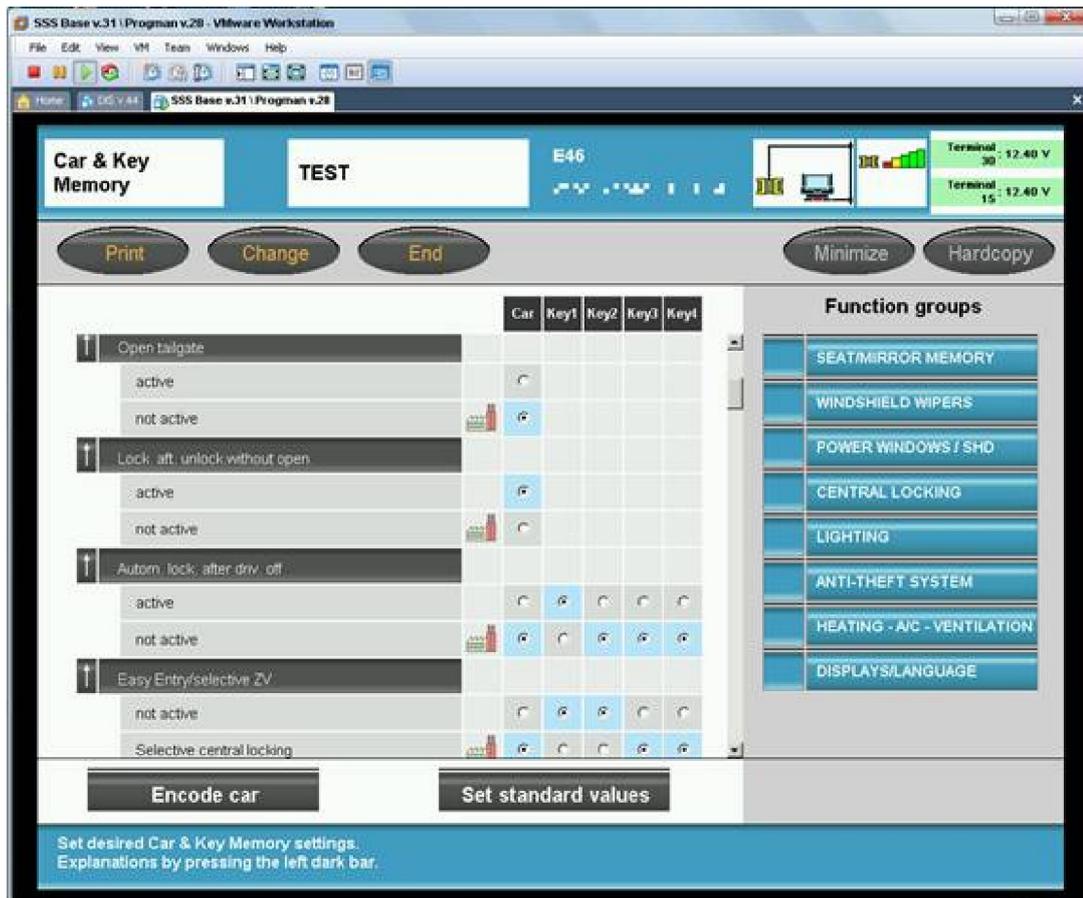


I'm only going to show you how to adjust key and car setting, because that is what you are after. Coding modules is beyond my expertise anyhow

- Click on CKM
- You see this screen, ... for a little while



- You now see all the settings that you can adjust on your car, cool!



Click on the individual items like “daytime running light to get a brief description of the adjustment”



- Once you have made all of your desired adjustments, press the Encode button
- Your new settings are now saved, and you have saved yourself a trip to the dealer and the cost of the labor they would have charged you to make these adjustments.

All credits for this tutorial go to the user randomy from the forum <http://forums.bimmerforums.com>, I've only converted his posts to this tutorial document.

Be sure to read my notes on the end of this document, that have some solution that may resolve some problems you may have with the interface.

AntMad aka ViperRunner

Notes:

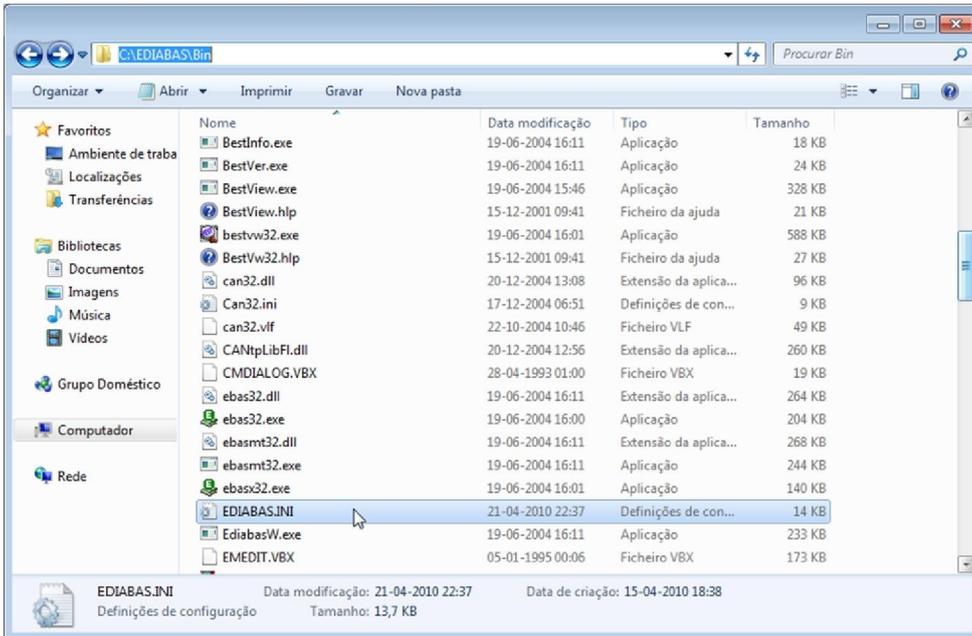
To leave the virtual machine, you can suspend it, or to shut down the machine i recommend you do the following steps: Administration > Settings > select the interface > Operating Status > Switch Off, and wait a few moments while the machine shuts down.

As the machine takes a lot of time to startup, personally i prefer to suspend it.

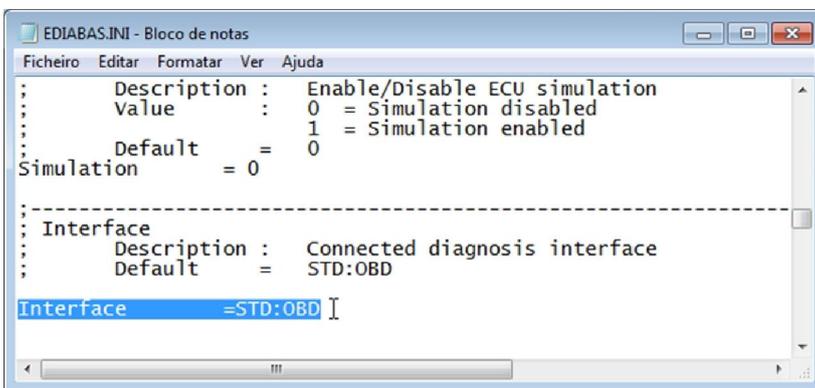
Just be sure that you are running IFHSrv32.exe until the machine fully shuts down and that you always execute it from the folder C:\EDIABAS\Bin before starting it again!

One more information i think that may be useful for some, regarding my interface i discovered that for the SSSProgman to be able to code /program I have to make the following modifications to the EDIABAS.INI file:

- Go to the folder C:\EDIABAS\Bin and open the file EDIABAS.INI with a text editor like Notepad

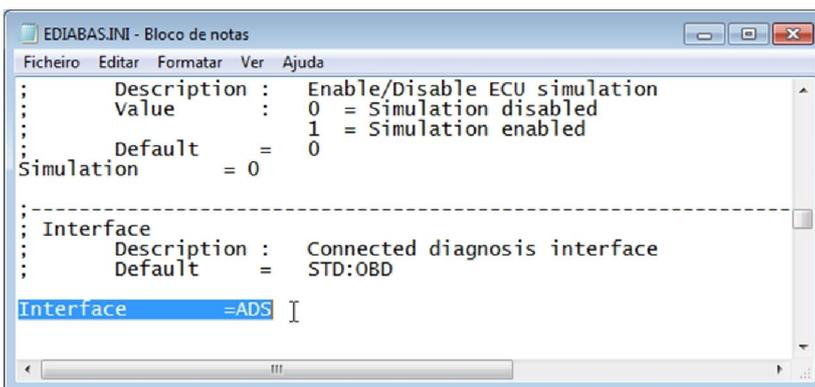


- Be sure that the interface is STD:OBD, like shown on the image



This way it doesn't give a very well know error saying it will need a ICOM interface to be able to code or program.

- With this modification i noticed there are some functions that stop working with DIS and INPA, like the car automatic identification DIS and the ignition detection on Inpa, and for this functions to work again, whenever I want to use DIS or Inpa again with all it's functions, I have to change the interface on the EDIABAS.INI file for the ADS interface, like shown on the following image



I'm not sure in what cables this happens with, but for what I've been reading it happens in a good number of them, so, maybe this resolves some problem you may have.