SDS Oct 2010 Installation

You will need three things:

1. 7-Zip
2. DAS.vmdk
3. VMWare Player

If you don't already have it, download 7-Zip from https://www.7-zip.org. Next, download the DAS.vmdk file. This is a VMWare disk volume and it's nearly 60GB. Get it from here:

https://mega.nz/folder/psxW2AhB#IR9zS1LFjwQ_-11Tl4vhpQ

The file has been 7-Zipped and split into 8 volumes of no more than 4GB each. Once you have them all, open the first file (DAS.7z.001) with 7-Zip and extract the DAS.vmdk file.

Download VMWare Workstation Player. The latest version is 16, but I recommend 15 as it seems to be easier to install since version 16 may require extra downloads of other Microsoft utilities (Visual C++ runtime, etc.). You can get version 15 here:

https://customerconnect.vmware.com/downloads/info/slug/desktop_end_user_computing/vmware_workstation_player/15_0

NOTE: Copy and paste the link above. If you "hyperlink" to it, it won't take you directly to the v15 download page and you'll have to "dig" for it.

If you are using an older computer, such as a Dell D630, it may not support VMWare 15. The folder linked above contains VMWare player version 5 which will run on older machines.

Once you have all of this downloaded and installed, start VMWare player. Choose the option on the right side for "Create a New Virtual Machine". On the next screen, choose "I will install the operating system later" and click **NEXT**. Then choose "Microsoft Windows" as the guest operating system and in the drop-down, select "Windows XP Professional" and click **NEXT**.

For the "Virtual machine name", you can call it whatever you want, but I highly recommend using "DAS". The location will default to "C:\...\Documents\Virtual Machines\DAS". You can put it elsewhere if you want. Click **NEXT** and then you need to configure the disk capacity. For "Maximum disk size", enter 80GB. Tick the box for "Store virtual disk as a single file" and click **NEXT**. On the "ready to Create Virtual Machine" screen, choose "Customize Hardware…". On the next screen, I recommend allocating at least 1GB of memory. If your computer has more than 8GB of ram, use 1.5GB for best performance. It can run in 512MB, but it will be slower. If you are using a C3 serial port MUX, you will need to click the "Add…" button and then select "Serial Port", then click **FINISH** to add it to the hardware list. Click **CLOSE** and then on the "Ready to Create" screen, click **FINISH**.

Now, you need to copy the downloaded DAS.vmdk file to the "…Virtual Machines\DAS" folder (or wherever you created your virtual machine). If you called your machine "DAS", then there will already be a DAS.vmdk file, so overwrite it. If you called your VM something else, then delete its .vmdk file, copy the DAS.vmdk file there, and rename to what the .vmdk file was. Once you have done that, now select "Play Virtual Machine" on the VMWare screen. If you get any Windows startup errors, choose "Start Windows Normally". Allow Windows XP to fully boot and for all services to start, which will take several minutes. Once you see the multiplexer connection icons in the lower right corner (system tray), then everything is running.

To verify that everything is working, start launch EPC. If EPC starts, then try WIS. If they both run, then all is well and you can connect the multiplexer and try DAS. Note that DAS expires, not because of licensing, but because MBZ thinks you need a new version every few months. To circumvent this, set the virtual computer's date back to something within a few months of October 2010. Since this is done inside the VM, it won't affect host computer where VMWare is running. For convenience, there is a batch file on the desktop called "SetDate.bat" that you can run to set the date to 01/01/2011. Launching Xentry does not seem to work, but going directly into DAS will.

When starting EC or WIS, if you get an error that "no valid startkey was found", it means you need to generate a new license key. Close the error message and then close EPC by clicking the red X. Launch the Internet Explorer icon on the desktop labeled "EPC(user admin passwd 12345)". Login with those credentials and you will be in the EWA control panel. Choose "Administration" → "Server" → and "Edit the access authorization". Copy the value shown for "Current MAC Address (LAND-ID)". You can double-click the value to highlight it, then press **CTRL+C** to copy it.

Now launch the icon on the desktop labeled "Shortcut to keygen.exe". At the "Now input the ID:" prompt, put in that LAN ID you copied. If you used CTRL-C to copy it, you can click the "C:\" prompt in the upper left corner of the DOS window, choose "Edit" → "Paste" to insert it. Make sure there is NOT an extra space on the end! If so, backspace to remove it. Now press **ENTER** to continue. For the expiration year, day, month, use something far in the future, like 2030, 1, 1. For the users, enter 5 (you won't need that many, but why not?).

You will now have two serials displayed, one for EPC and one for WIS. You can click on the "C:\" icon and choose "Edit" → "Mark" then use your mouse to highlight the EPC serial. Once you have done that, press **ENTER** and it will copy the value. Now go back to the EWA program and blank out the EPC startkey shown, then press **CTRL-V** to paste the value you copied form the keygen window. Do the same for the WIS startkey, getting its value from the keygen window. Click the **SAVE** button on the EWA window and now it should show a bitstring and expiration date with the "Valid" box checked for both EPS and WIS. You can now close the EWA and keygen windows and run EPS and WIS.