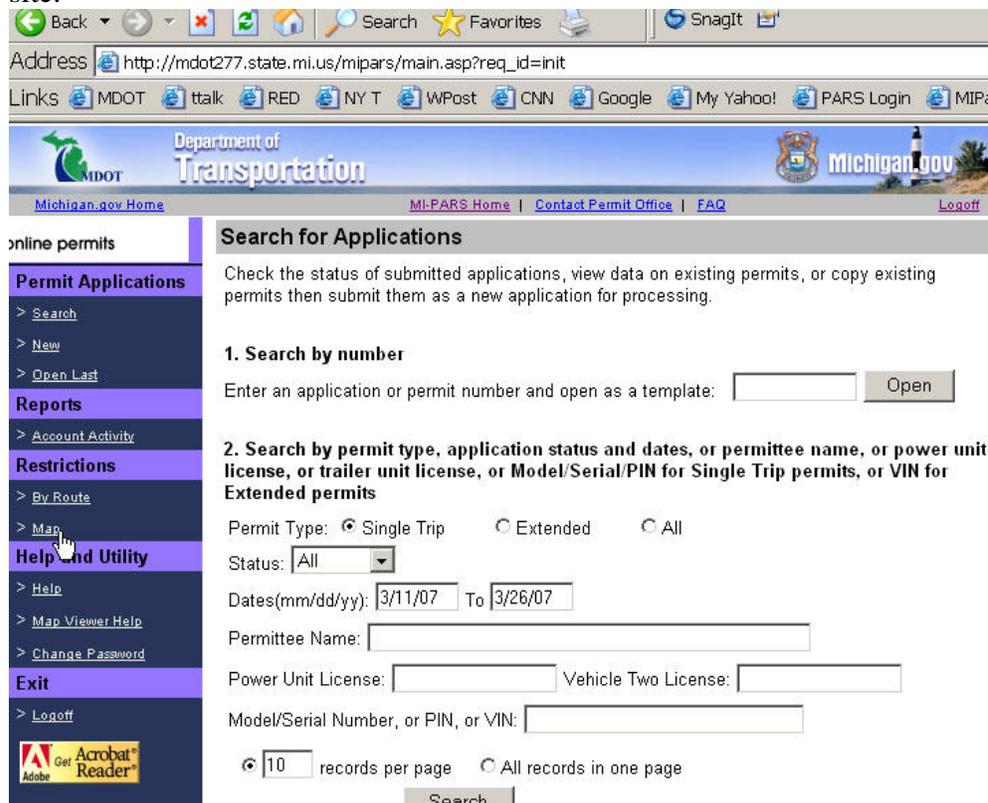


JAVA Solutions for MIPARS Web

June 8, 2010

I. Getting Java

The MIPARS Web application uses Java as a browser plug-in. A plug-ins is usually a resource that is meant to enhance the power of an Internet browser and is either provided by the browser's programmers or a third party. In this instance Sun Microsystems created Java as one of these plug-ins and both the restrictions map and data entry into the online Transport Permit application rely on Java so it is a necessity. If you are not sure if you have Java on your machine the first time you attempt to access the Restriction Map in the left panel of MIPARS Web your computer will detect that it is not installed and should automatically go to www.sun.com and get the version MIPARS needs from the Sun web site.



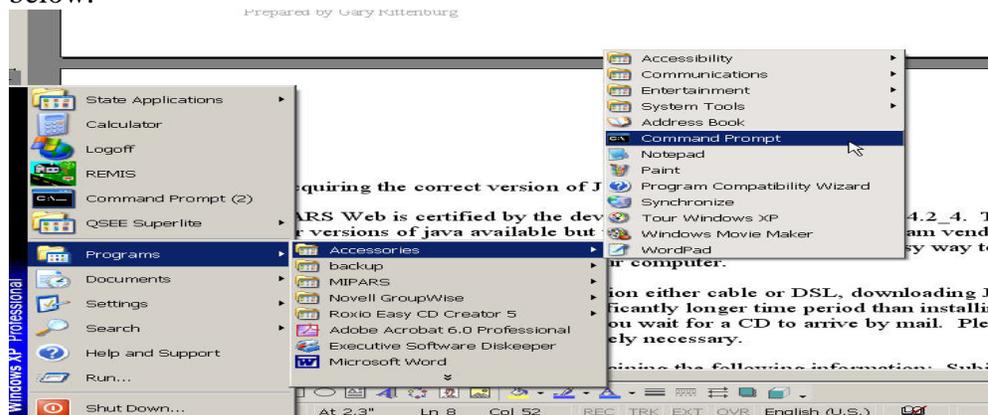
If you are using a dial up Internet connection this will be a slow process because the Java program is very large perhaps an hour or more download time. Any company's using Dial-up access to the internet read number VI below.

Organizations with high speed Internet access should continue with the directions below.

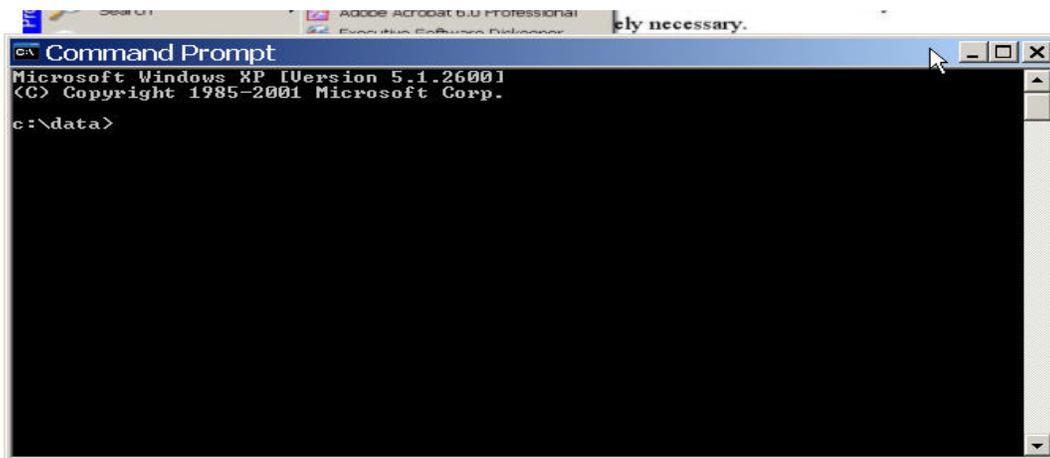
II. Acquiring the correct version of Java

MIPARS Web is certified by the developer to run in Java version 1.4.2_4. There are newer versions of java available but this is the release that the program vendor certifies the MIPARS web application will operate in correctly. There is an easy way to check the version of java that is installed on your computer.

Select the Start Button in the left hand corner of your screen and navigate as in the image below.



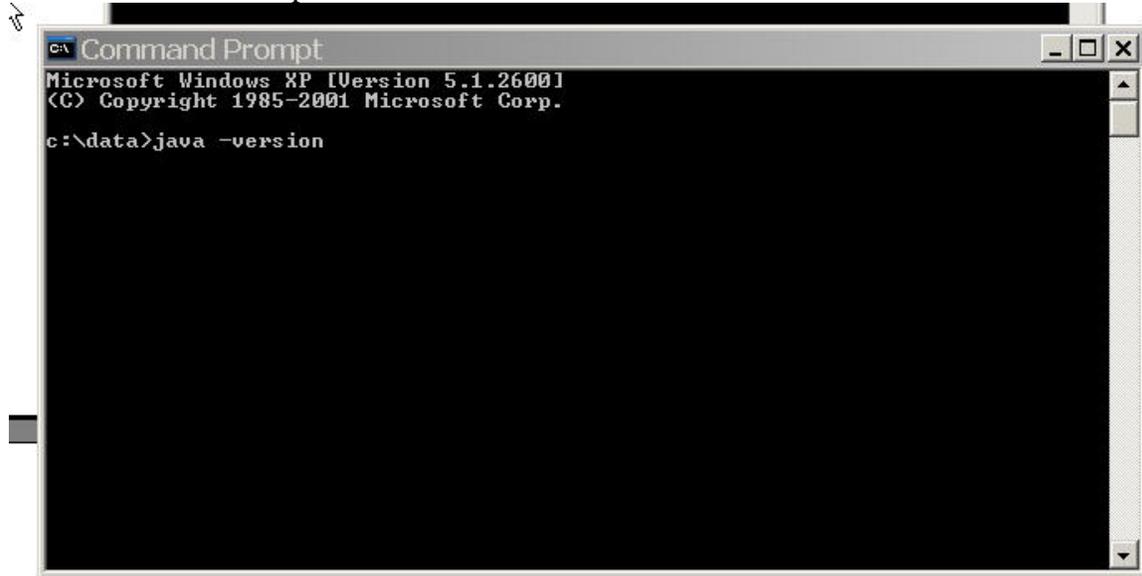
Click on the Command Prompt choice above and a window much like the image below should appear.



Don't be concerned about the C:\data> prompt above yours could and probably will be different. Just type the following command into the Command Prompt window:

java -version. Note the space between java and the dash sign and it is a dash not an underscore.

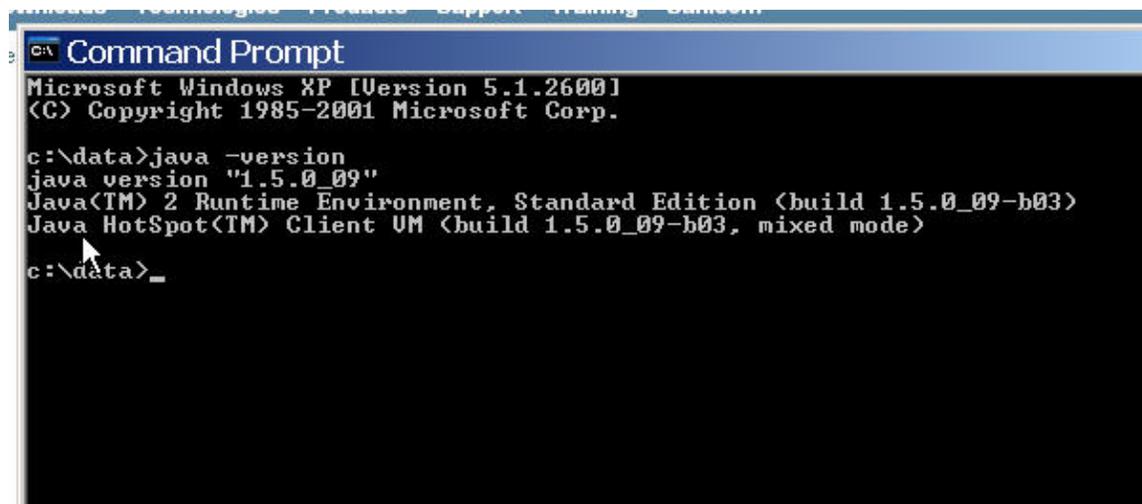
Your Command Prompt Window should look similar to the one below:



```
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

c:\data>java -version
```

Hit the Enter Key on your keyboard and you will see something like this:



```
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

c:\data>java -version
java version "1.5.0_09"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_09-b03)
Java HotSpot(TM) Client VM (build 1.5.0_09-b03, mixed mode)

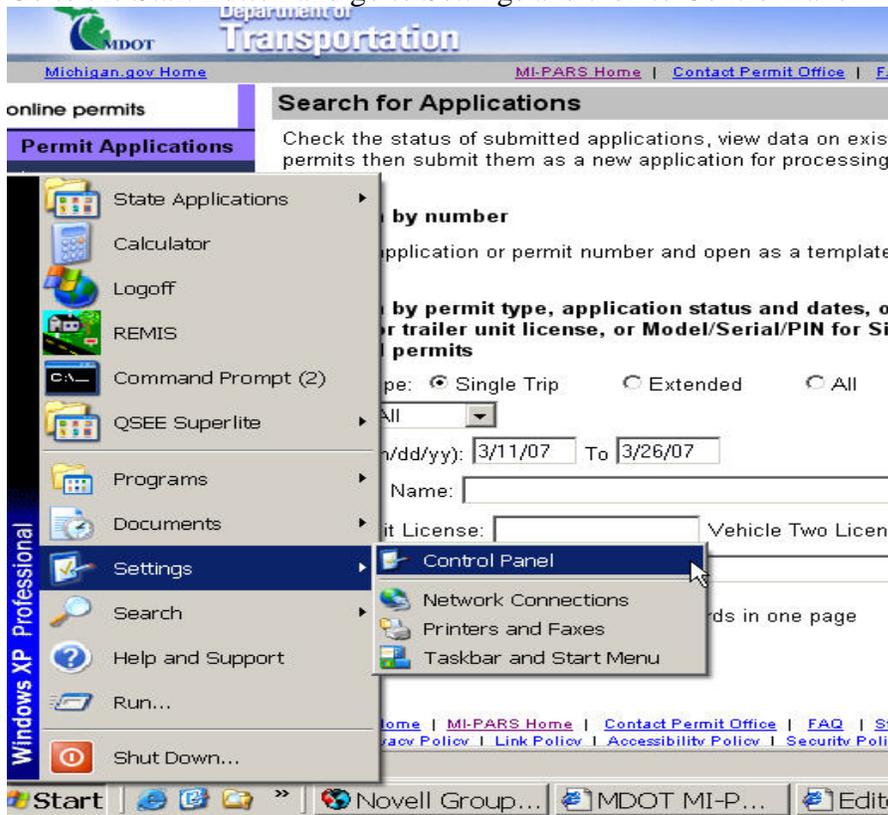
c:\data>_
```

Note that in the above window the Java version running on this computer is NOT the correct, certified version. The above window says version 1.5.0_09 is running on this computer however to run MIPARS correctly version 1.4.2 is needed because that is the version the developer certified to run MIPARS Web

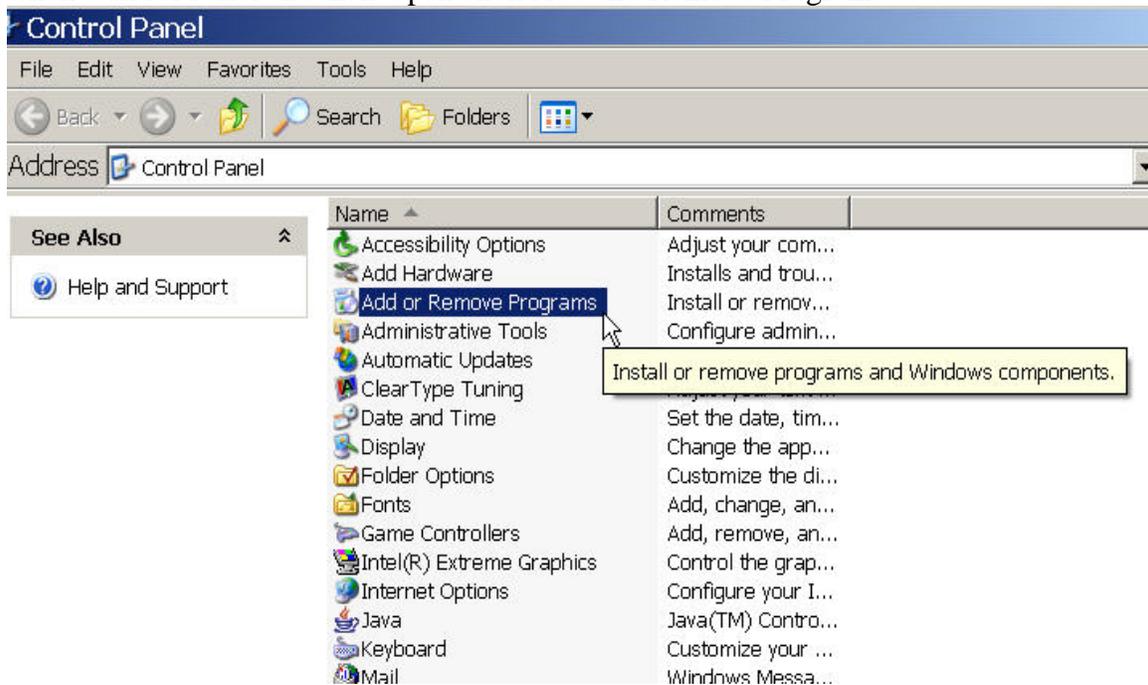
III. You can you change the java version in your computer

If you discover a different version of Java than the one needed for MIPARS is installed you can get the correct version by doing the following.

Go to the Start Button and go to Settings and then to Control Panel – see image below:



Click Control Panel and then Open click Add and Remove Programs



Once Add and Remove has opened scroll down the list of programs installed on your machine until you find any versions of Java—Java usually has a Coffee Cup as an icon—Sun owns the copyright for the coffee cup logo. Click on the program you want to uninstall- in this case J2SE Runtime 5.0 Update 7 needs to be removed.



Click the remove button on the right side of the screen.

You will be asked if you are sure you want to delete it – yes you are. There will be a message notifying you when the Java uninstall is completed.

Make sure and double check for other versions of Java that might be installed on your computer—they will all be listed in Add and Remove programs and they will probably have the Coffee Cup Icon (logo). Follow the same procedure as above to uninstall any other versions.

IV. Downloading the correct version of Java

Once you have removed all other versions of Java from your computer it is time to get the certified version loaded on your machine.

An easy way to accomplish this is to log into the MIPARS Web application and choose the map option in the left navigation pane. See the image and directions in Part I above.

If that does not work correctly – a slight chance- please follow the directions below:
Loading Java Manually.

Loading Java manually

The link to the Sun page that has the 1.4.2 install packages is here:

<http://java.sun.com/products/archive/>

You can pick version 1.4.2 update 4 from the list at the left – I believe 1.4.2_19 is the default. Just use the pick arrow to open up the older versions and you will see update 4 on the list. Once you have selected it hit the Go button next to your selection. You may

have to fill in a short form with info about your company and the like. This is OK you won't be dunned with information about Sun or Java.

You will get a screen with 2 Java types you will want to download the JRE version for Windows/Linux/etc so just click on the top choice under JRE and follow the directions. Pick your Platform- Windows and check the box that says you agree to the terms of the license. The easiest way to install is to choose the Windows Installation file- the bottom one- because that will install Java for you – just make sure to tell your computer it is OK for that to happen when you are prompted.

After this you should be set to run MIPARS.

V. Other States permit sites using different Java Versions

Those of you running multiple state web permit sites will not have a problem adding other versions of Java if needed. Once the association is made between V 1.4.2 and MIPARS Web it will be permanent. Any other States programs requiring a different java version should not cause conflicts with MIPARS.

The only issue that this causes is that you cannot run a different states program in the same window you just used to apply for a permit. Different state programs can run in separate windows with no problem.

Please Note: The Java install package will place the Coffee Cup logo in the system tray down by the computer clock on your Windows Desktop. This is to update Java automatically- You do not want this to occur. In order to stop it Right Click on the Coffee Cup icon and disable Automatic Update. This is a feature that probably wouldn't be a problem on a home computer but in order to run MIPARS and many other State permit systems a specific version of Java may be required and the Automatic Update will cause problems when it downloads the latest version of Java.

VI. Getting the Java Version on CD

If you are using a high speed connection either cable or DSL, downloading Java from Sun Microsystems won't take a significantly longer time period than installing it from the CD so download java and avoid the delay while waiting for a CD to arrive by mail.

Please don't send a CD request unless it is absolutely necessary.

If you are using a Dial-Up connection to get to the Internet downloading Java can take a significant amount of time. Sun Microsystems allow MDOT to send you a CD with the Java install package on it and we will do so if needed. Please remember that it might be 3-5 working days until the Java CD arrives at your business location. If time isn't a problem we will send you the disk however if you need to apply for permits it might be in

your company's best interest to start the download from Sun Microsystems and take a long break. The download may take an hour or so depending on the quality of your phone line and Internet provider however that is a lot faster than 3-5 days waiting for the CD to arrive.

To request a Java CD send the request via email to:

rittenburgg@michigan.gov

Containing the following information: Subject: Java Disk, your company name, mailing address and the person you would like the CD delivered to.

You can also fax a request to 517.373.4340

Please provide the Company Name and Complete Address plus the staff member you would like the disk to be sent to.