Does the JVM Heap size need changed??

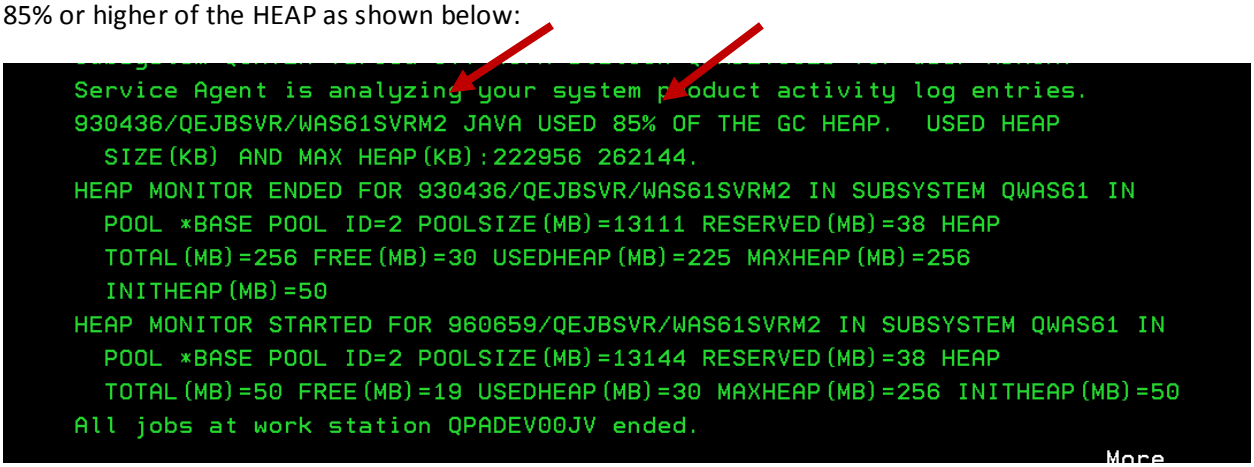
(running out of memory for WAS jobs?)

First determine if there is a need to increase the memory for JVM…or, maybe we should always increase if we have more than 1 instance…??

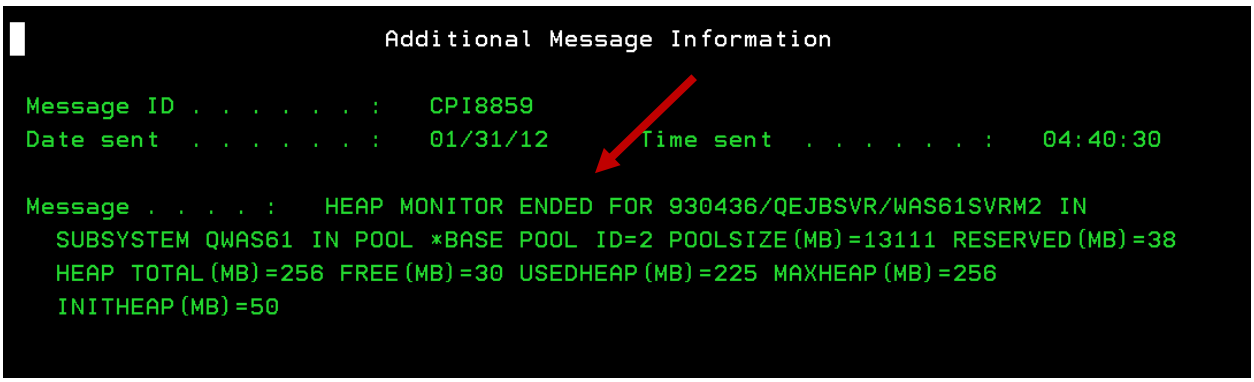
Is the client getting message indicating a memory issue?

Is the WAS instance job on the iSeries soaking up a lot of CPU? 70% or higher?

Does the client have a msg in system operator messages showing the WAS instance and the JAVA using 85% or higher of the HEAP as shown below:

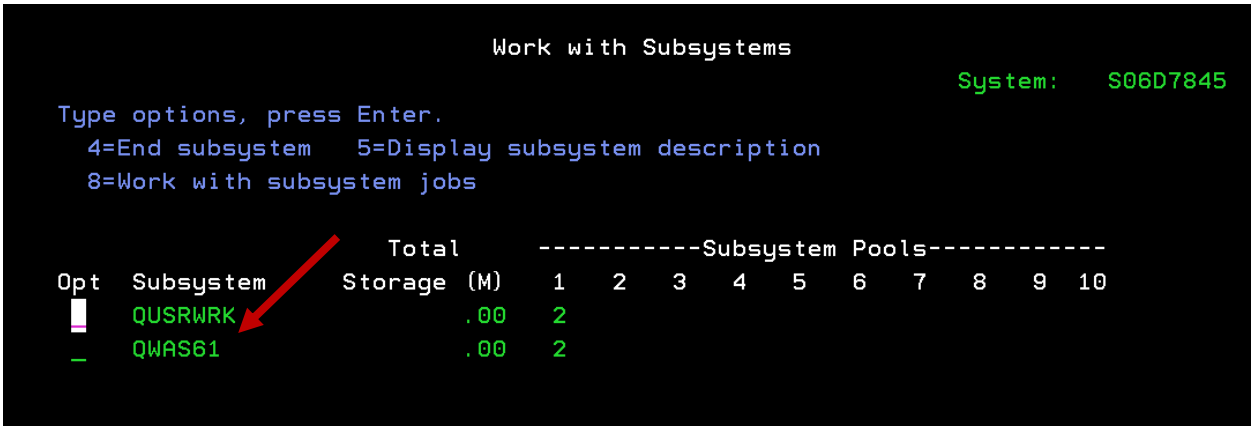


Put the cursor on the msg and hit F1 to get additioanl info…



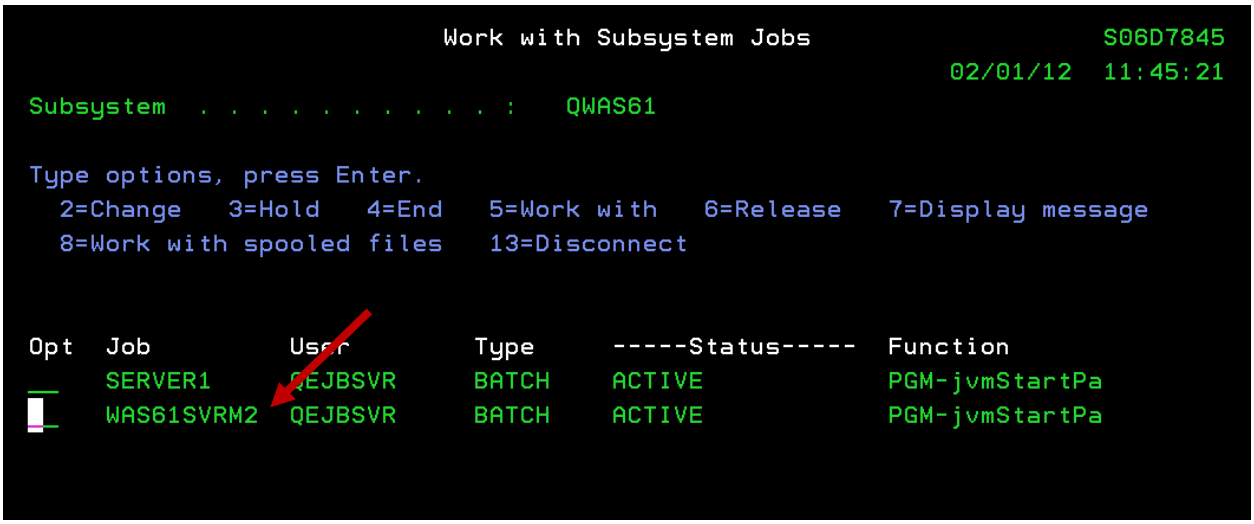
Type in WRKSBS and enter

And roll down to the WAS subsystem as shown:

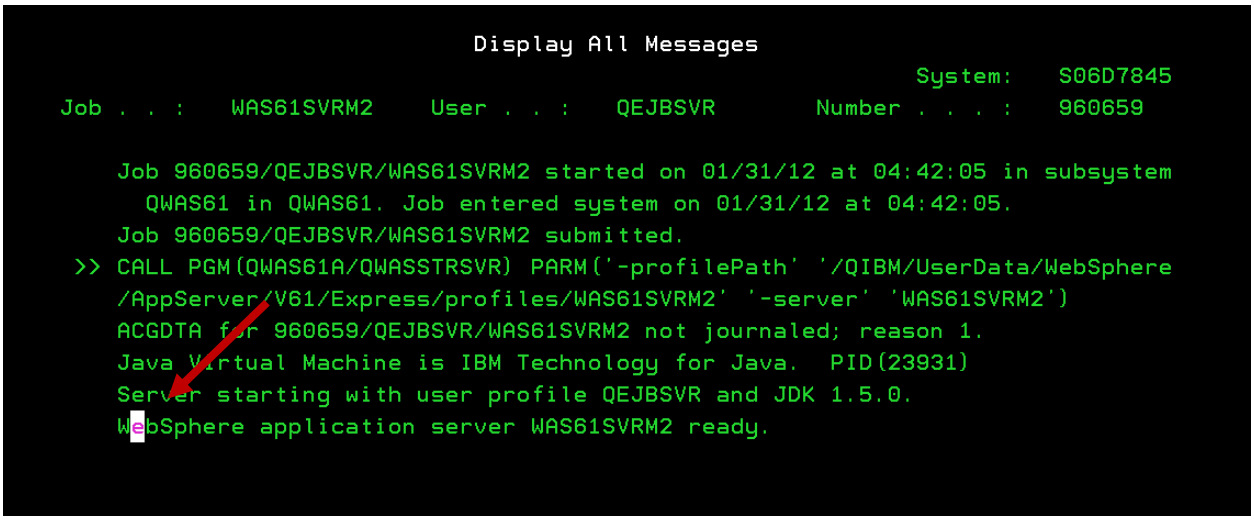


Place an 8 in front of the WAS subsystem and enter (QWAS61)

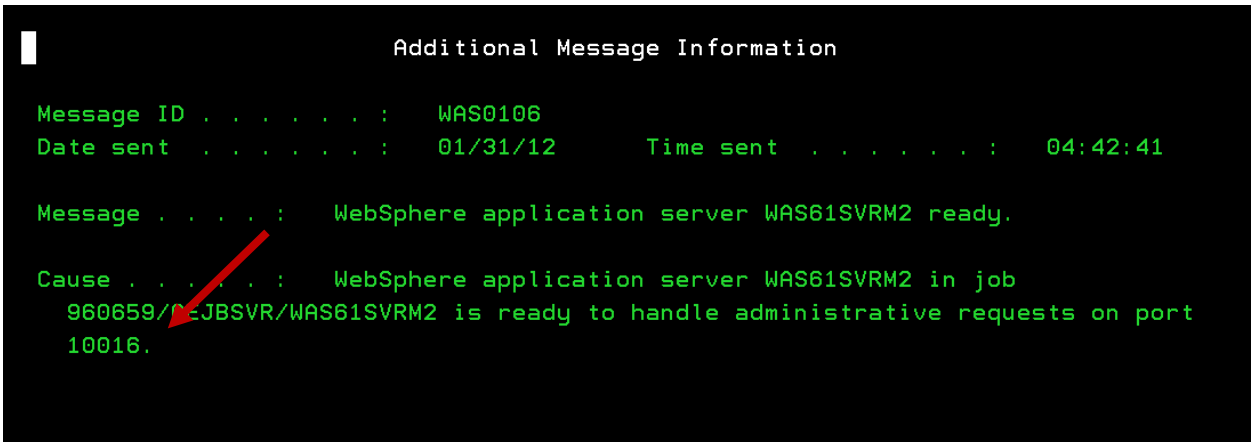
Place a 5 on the job in the subsystem and enter as shown:



Take Opt 10 to display job log for this job…then F10 to display all messages and you will see the following:



Then move your cursor onto the msg 'WebSphere application server WASxxxxx ready…to see the following port:



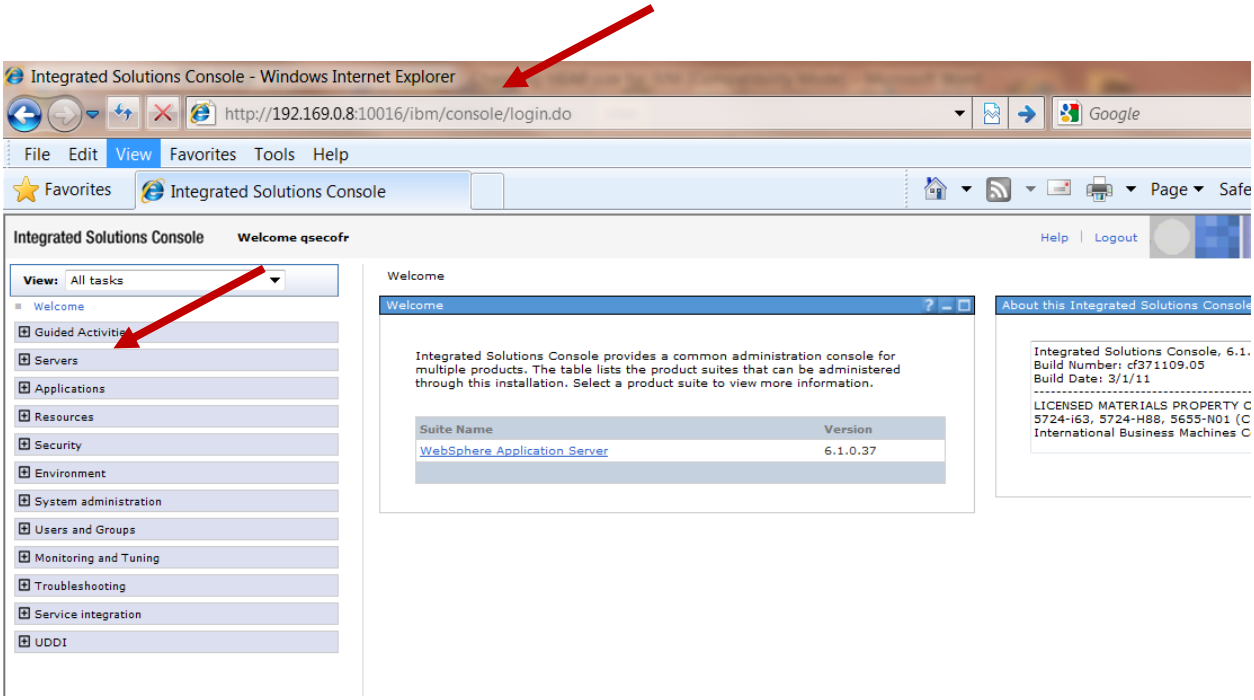
Now type the following in a browser session…using the port # in the message.

http://192.169.0.8:10016/admin (admin MUST be lower case)

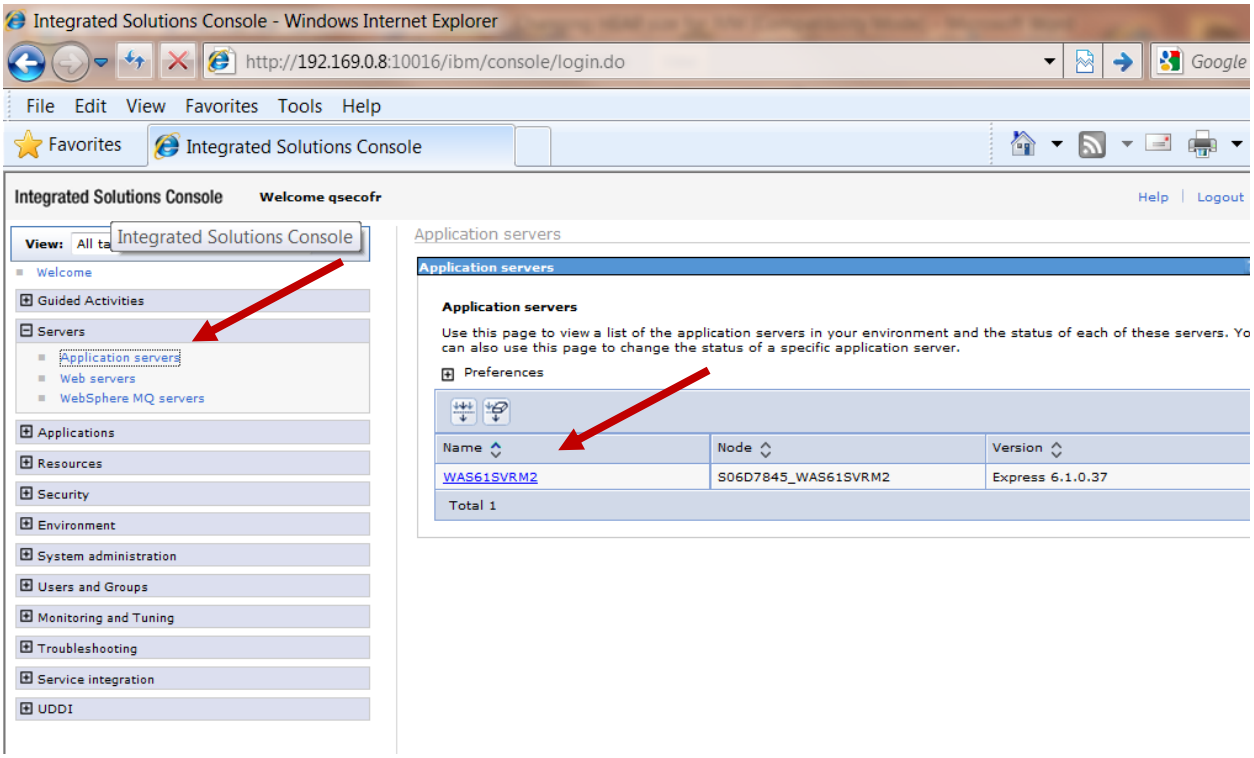
log in/user ID qsecofr

Click on Servers on the left panel

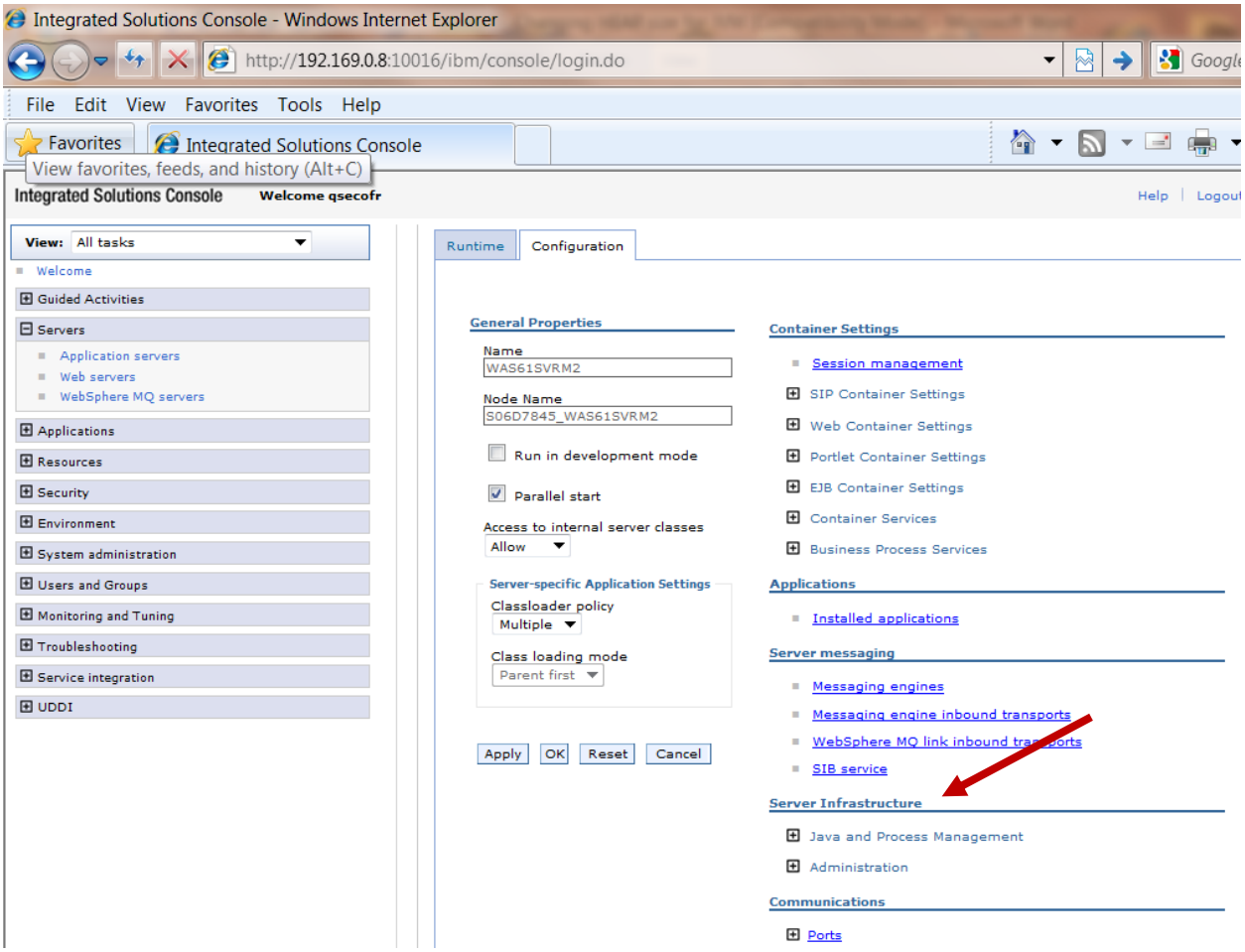
Select application servers



Select Applications server and then click on the server listed in the window on the right

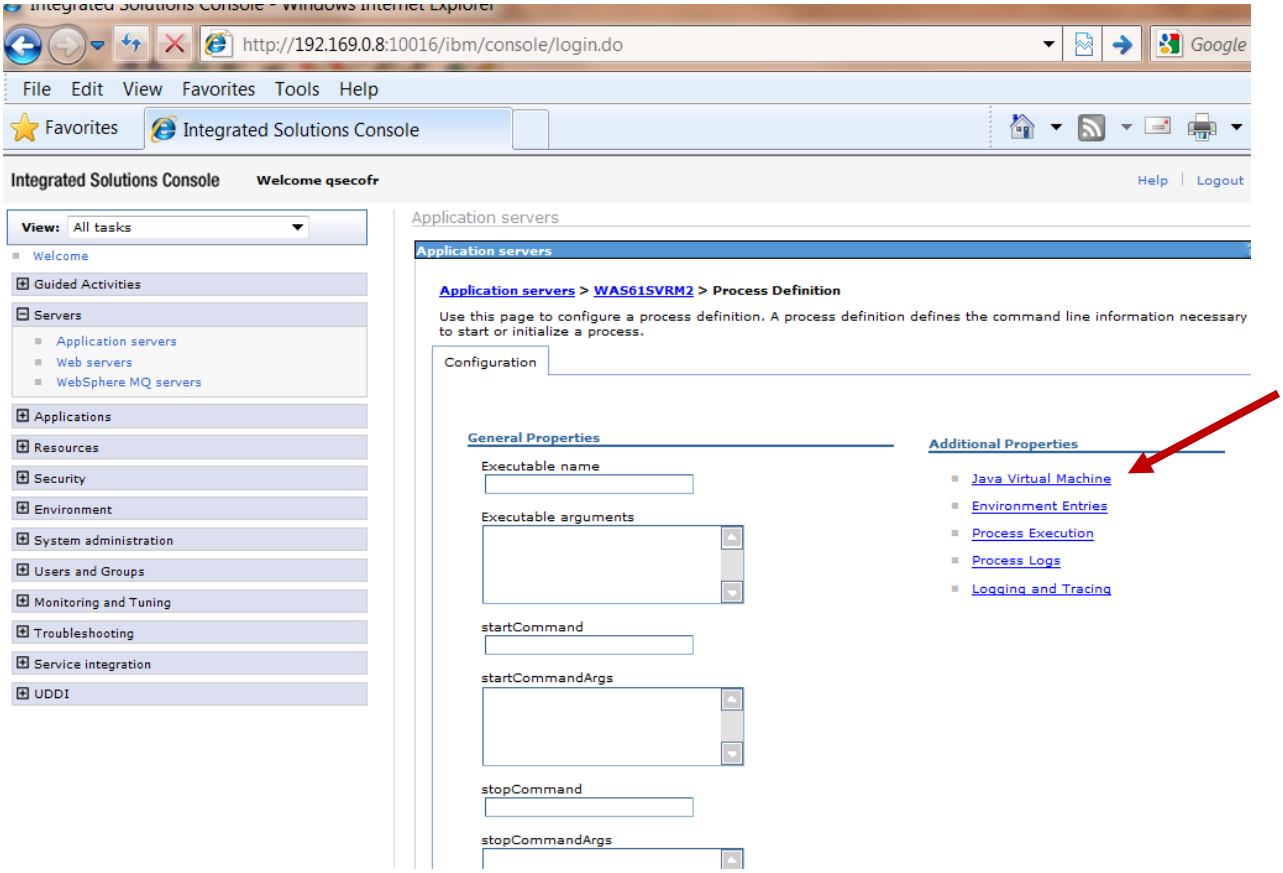


Now go to ‘Server infrastructure’ and select ‘Java and process mgmt’

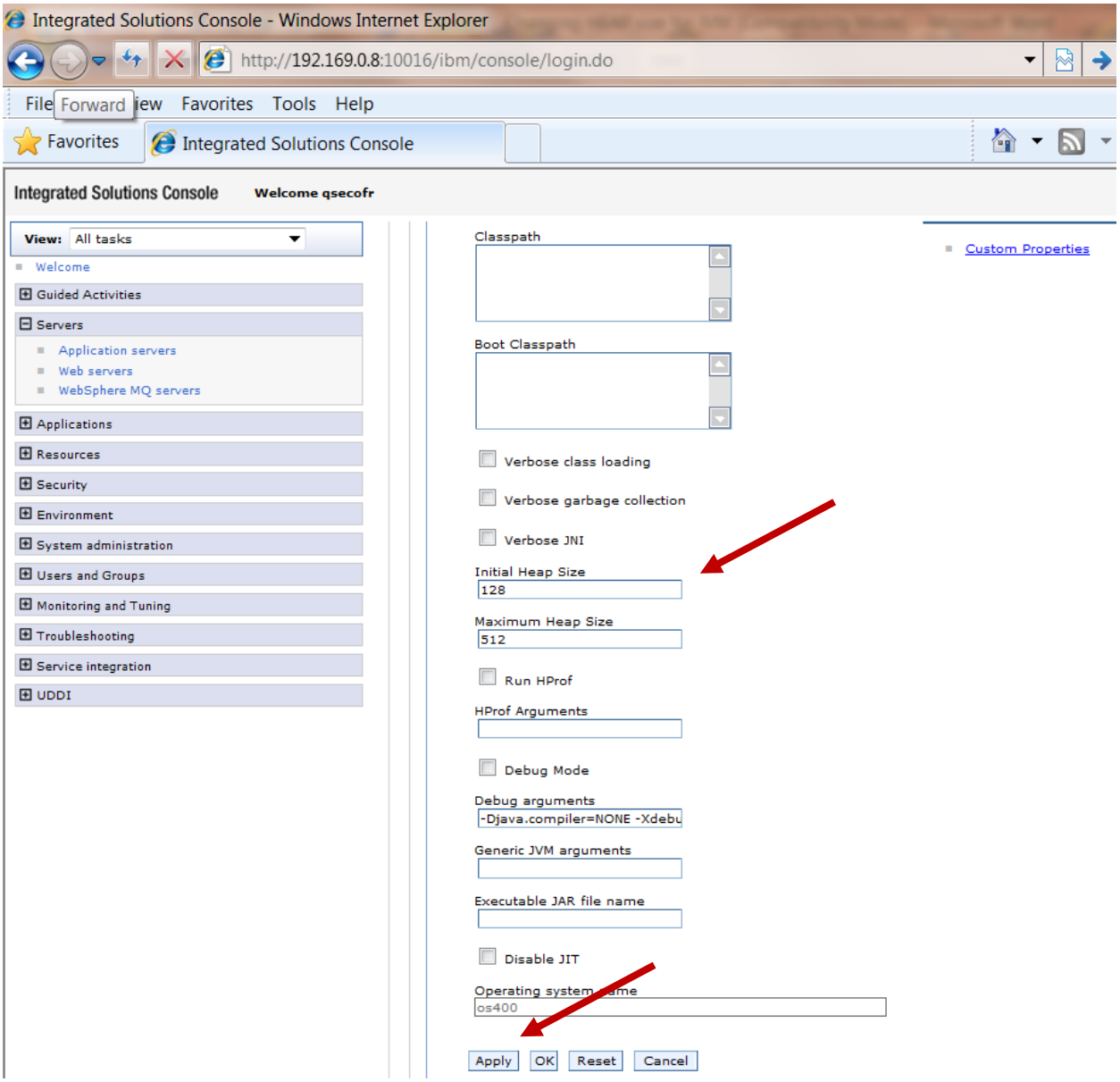


Select ‘process definition’…

Then the following screen will appear. Go to additional properties on the right…and select JVM (Java Virtual machines)



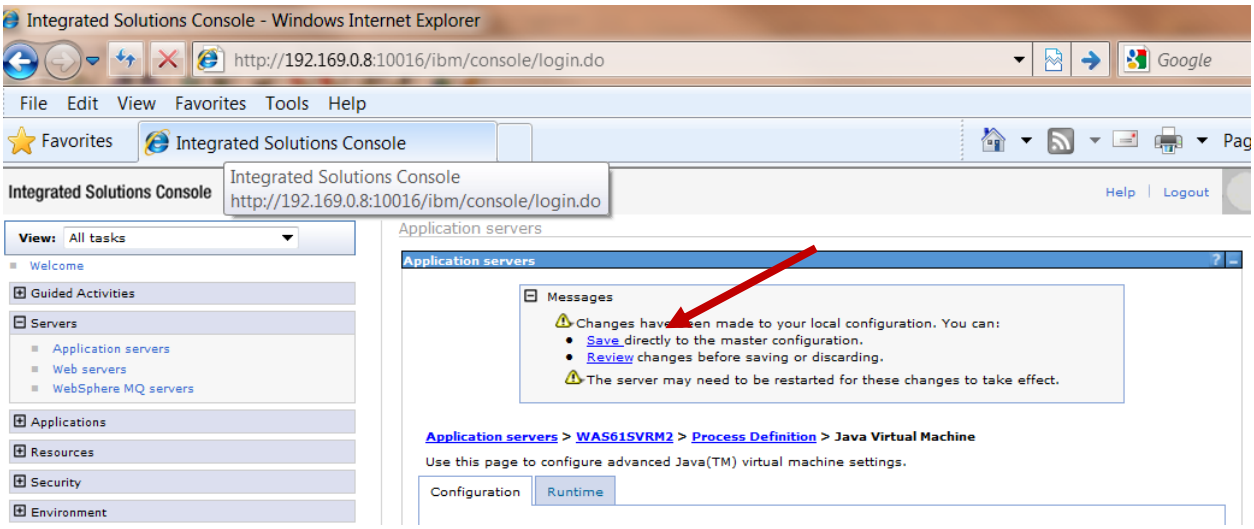
The next screen will show the 2 fields that need changed. The 'initial heap size' and the 'maximum heap size'. By default the values are 50 and 256 respectively…and will also be blank if the default is the current setting.



Change the values to 128 for Initial heap size and 512 for Maximum heap size.

Then click 'APPLY'

Roll to the top to see the SAVE message appear. It will be highlighted.



Click on 'Save'.

Wait until it clears…then you can get out.

(if the SAVE window does not clear, try 'refreshing' and then screen will come back. Then clkick on 'save' again…it should clear. Roll down to verify the settings are there…and then go out and back in to re-verify.

NOTE: MUST restart for JVM changes to take effect….