

BigRed:

Need to add java 1.6 and openMPI to your path –

Edit ~/.soft:

```
tg-jalam@BigRed:~> cat .soft
```

```
#
# This is the .soft file.
# It is used to customize your environment by setting up environment
# variables such as PATH and MANPATH.
# To learn what can be in this file, use 'man softenv'.
#
#
+openmpi-1.4.1-ibm-64
+ibm_java-1.6.0
#+mpich-mx-ibm-64
@bigred
```

Actually, .soft doesn't work correctly on bigred, rather, you need to edit your .bashrc:

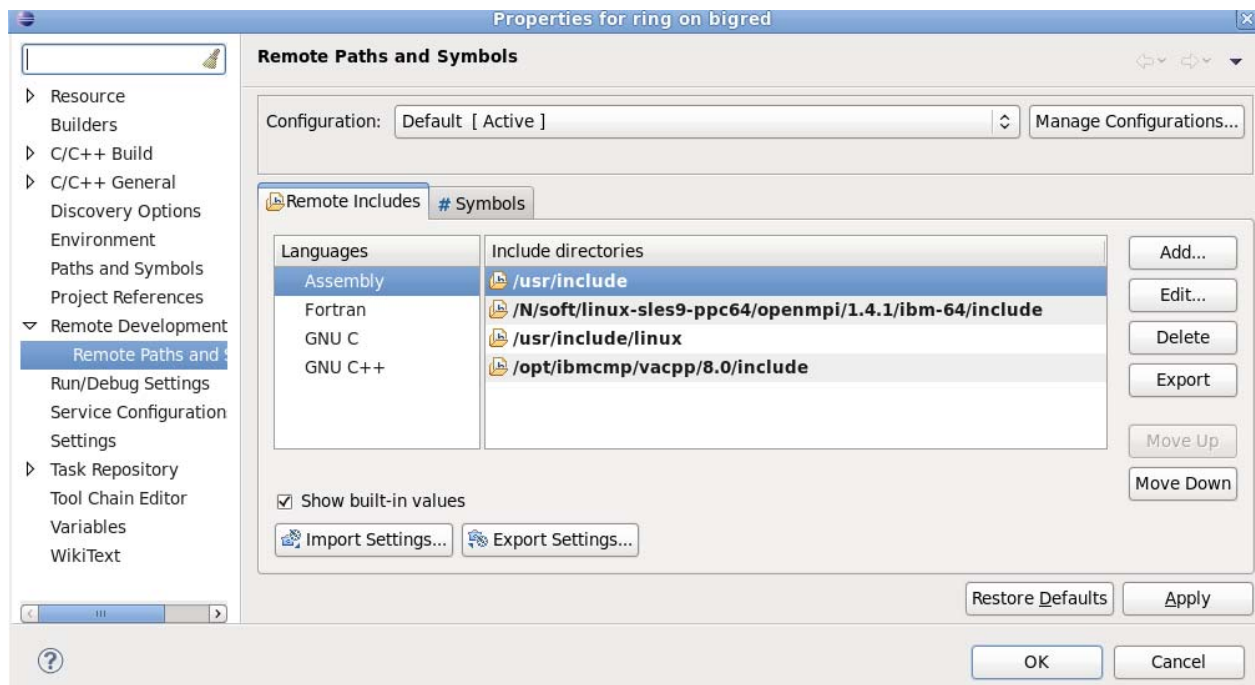
```
export JAVA_HOME=/N/soft/linux-sles9-ppc64/ibm-java-ppc64-60
export PATH=${JAVA_HOME}/bin:${PATH}
export PATH=/N/soft/linux-sles9-ppc64/openmpi/1.4.1/ibm-64/bin:${PATH}
export PATH=/opt/ibmcmp/vacpp/8.0/bin:${PATH}
export PATH=/opt/ibmcmp/xlf/10.1/bin:${PATH}
```

This should be good then –

Verify functionality:

```
tg-jalam@BigRed:~> java -version
java version "1.6.0"
Java(TM) SE Runtime Environment (build pxp6460sr2-20080818_01(SR2))
IBM J9 VM (build 2.4, J2RE 1.6.0 IBM J9 2.4 Linux ppc64-64 jvmp6460-
20080816_22093 (JIT enabled, AOT enabled)
J9VM - 20080816_022093_BHdSMr
JIT - r9_20080721_1330ifx2
GC - 20080724_AA)
JCL - 20080808_02
tg-jalam@BigRed:~> which mpicc
```

```
/N/soft/linux-sles9-ppc64/openmpi/1.4.1/ibm-64/bin/mpicc  
tg-jalam@BigRed:~>
```



## Queenbee:

Need to add OpenMPI 1.3.4 to the path –

```
[jalameda@qbl ~]$ cat .soft  
#  
# This is your SoftEnv configuration run control file.  
#  
# It is used to tell SoftEnv how to customize your environment by  
# setting up variables such as PATH and MANPATH. To learn more  
# about this file, do a "man softenv".  
#  
# TeraGrid wide basic software suite  
+openmpi-1.3.4-intel-11.1  
@teragrid-basic  
# TeraGrid wide Globus 4 and Grid software suite  
@globus-4.0  
# Platform recommended development software suite  
@teragrid-dev  
[jalameda@qbl ~]$
```

Verify addition:

```
[jalameda@qbl ~]$ which mpicc
/usr/local/packages/openmpi/1.3.4/intel-11.1/bin/mpicc
[jalameda@qbl ~]$ java -version
java version "1.6.0_17"
Java(TM) SE Runtime Environment (build 1.6.0_17-b04)
Java HotSpot(TM) Server VM (build 14.3-b01, mixed mode)
[jalameda@qbl ~]$
```

Include paths

```
/usr/include
/usr/local/packages/openmpi/1.3.4/intel-11.1/include
```

## Steele:

Verify correct versions – MPI – is MPICH-P4:

```
[jalameda@tg-steele ~]$ which mpicc
/apps/rhel5/mpich-1.2.7p1/64/p4-gcc-4.4.0/bin/mpicc
Java:

[jalameda@tg-steele ~]$ java -version

java version "1.6.0_14"
Java(TM) SE Runtime Environment (build 1.6.0_14-b08)
Java HotSpot(TM) 64-Bit Server VM (build 14.0-b16, mixed mode)
```

Jay's configuration:

```
[jalameda@tg-steele ~]$ cat .soft
#
# SoftEnv
#
# This is your ".soft" file.  Settings in this file tell SoftEnv how
# to configure your environment (variables such as PATH).  See
# "man softenv" for more information.
#
@teragrid
```

```
[jalameda@tg-steele ~]$
```

Include paths

```
/usr/include  
/apps/rhel5/mpich-1.2.7p1/64/p4-gcc-4.4.0/include
```

## Pople:

```
tg-login3 2/alameda> module load mpich2/1.3.a.2  
tg-login3 2/alameda> which mpicc  
/usr/local/packages/mpich2-1.3a2/bin/mpicc
```

Capture this in your .cshrc:

```
tg-login3 2/alameda> cat .cshrc  
module load mpich2/1.3.a.2
```

```
include paths  
/usr/include  
/usr/local/packages/mpich2-1.3a2/include
```

```
tg-login3 2/alameda> module list  
Currently Loaded Modulefiles:  
  1) psc_path/1.0          5) imkl/10.0.3.020      9) globus/4.0.7  
  2) torque/2.3.0        6) gsissh/1.0          10) mpich2/1.3.a.2  
  3) icc/10.1.008        7) ant/1.0  
  4) ifort/10.1.008     8) jrookit/5.0  
tg-login3 2/alameda>
```

## Ranger:

```
login3% which mpicc  
/opt/apps/pgi7_2/mvapich/1.0.1/bin/mpicc  
login3% java -version  
java version "1.6.0_03"  
Java(TM) SE Runtime Environment (build 1.6.0_03-b05)  
Java HotSpot(TM) Server VM (build 1.6.0_03-b05, mixed mode)  
login3%
```

Default configuration:

```
login3% module list
```

```
Currently Loaded Modules:
```

1) TACC-paths	9) srb-client/3.4.1	17) globus/4.0.8
2) Linux	10) tg-policy/0.2	18) GLOBUS-4.0
3) cluster-paths	11) tgproxy/0.9.1	19) TERAGRID-DEV
4) pgi/7.2-5	12) tgresid/2.0.3	20) CTSSV4
5) mvapich/1.0.1	13) tgusage/3.0	21) gzip/1.3.12
6) binutils-amd/070220	14) uberftp/2.4	22) tar/1.22
7) TERAGRID-paths	15) tginfo/1.0.1	23) cluster
8) gx-map/0.5.3.3	16) TERAGRID-BASIC	24) TACC

```
login3%
```

Swap to openMPI:

```
login3% module list
```

```
Currently Loaded Modules:
```

1) TACC-paths	9) srb-client/3.4.1	17) globus/4.0.8
2) Linux	10) tg-policy/0.2	18) GLOBUS-4.0
3) cluster-paths	11) tgproxy/0.9.1	19) TERAGRID-DEV
4) pgi/7.2-5	12) tgresid/2.0.3	20) CTSSV4
5) mvapich/1.0.1	13) tgusage/3.0	21) gzip/1.3.12
6) binutils-amd/070220	14) uberftp/2.4	22) tar/1.22
7) TERAGRID-paths	15) tginfo/1.0.1	23) cluster
8) gx-map/0.5.3.3	16) TERAGRID-BASIC	24) TACC

```
login3% module unload mvapich/1.0.1
```

```
login3% module list
```

```
Currently Loaded Modules:
```

1) TACC-paths	9) tg-policy/0.2	17) GLOBUS-4.0
2) Linux	10) tgproxy/0.9.1	18) TERAGRID-DEV
3) cluster-paths	11) tgresid/2.0.3	19) CTSSV4
4) pgi/7.2-5	12) tgusage/3.0	20) gzip/1.3.12
5) binutils-amd/070220	13) uberftp/2.4	21) tar/1.22
6) TERAGRID-paths	14) tginfo/1.0.1	22) cluster
7) gx-map/0.5.3.3	15) TERAGRID-BASIC	23) TACC
8) srb-client/3.4.1	16) globus/4.0.8	

```
login3% module load openmpi/1.3
```

```
login3% which mpicc
```

```
/opt/apps/pgi7_2/openmpi/1.3/bin/mpicc
```

These need to be encoded in your ~/.cshrc\_user:

```
login3% cat .cshrc_user
```

```
module unload mvapich/1.0.1
```

```
module load openmpi/1.3
```

#### Include Paths

```
/usr/include  
/opt/apps/pgi7_2/openmpi/1.3/include
```

## **Lonestar**

```
lslogin2% cat .cshrc_user  
#/bin/csh  
module unload java/1.4.2  
module load java/1.6.0  
#module list  
lslogin2%
```

no openMPI or MPICH, so we are a bit stuck on this platform -