Valgrind

Installazione

cd /prodotti
wget http://valgrind.org/downloads/valgrind-3.3.0.tar.bz2
mkdir valgrind
cd valgrind
mkdir gnu
mkdir intel

RAMO GNU
module load openmpi/gnu
cd /prodotti
tar jvtf valgrind-3.3.0.tar.bz2
chown -R root:root valgrind-3.3.0
cd valgrind-3.3.0
CC=gcc CFLAGS=-O ./configure –prefix=/prodotti/valgrind/gnu
make
make check
make install

\rm -r valgrind-3.3.0
module unload openmpi/gnu

cd /csia/modules
mkdir valgrind
vi gnu (vedi sotto:)

conflict openmpi/intel
conflict compiler/intel

module load openmpi/gnu

set vg “/prodotti/valgrind/gnu”

prepend-path PATH $vg/bin
prepend-path MANPATH $vg/man

RAMO INTEL
module load openmpi/intel
cd /prodotti
tar jvtf valgrind-3.3.0.tar.bz2
chown -R root:root valgrind-3.3.0
cd valgrind-3.3.0
CC=icc CFLAGS=-O ./configure –enable-only64bit –prefix=/prodotti/valgrind/intel
make
vi valt_load_address_amd64_linux.lds (commentata la riga 193)
make

make install

cd /csia/modules/valgrind
vi intel (vedi sotto:)

conflict compiler/intel

module load openmpi/intel

set vg “/prodotti/valgrind/intel”

prepend-path PATH $vg/bin
prepend-path MANPATH $vg/man

\rm -r valgrind-3.3.0

Esempio d'uso

(debug applicazione parallela sul frontend)
module load valgrind/gnu
mpicc -g ping_pong.c -o ping_pong_gnu
mpiexec –mca btl ^openib -np 2 valgrind -v ./ping_pong_gnu 100

From:
https://docu.units.it/dokuwiki/ - **Area dei Servizi ICT - Documentation**

Permanent link:
https://docu.units.it/dokuwiki/servizi:cluster:valgrind

Last update: **2008/05/06 08:23 (19 anni fa)**