Debugging MPI in Parallel

Under any available XServer/XWayland environment, VM/WSLg/XQuartz/Vcxsrv/...

Allow remote connection

```
xhost +
```

Login remote server with trusted XForward:

```
ssh -Y 120999999@10.26.1.30
```

Go to pvfs:

```
cd /pvfsmnt/$(whoami)
```

Copy XAuthority file:

```
cp ~/.Xauthority /pvfsmnt/$(whoami)
```

Set XAuthority env:

```
export XAUTHORITY=/pvfsmnt/$(whoami)/.Xauthority
```
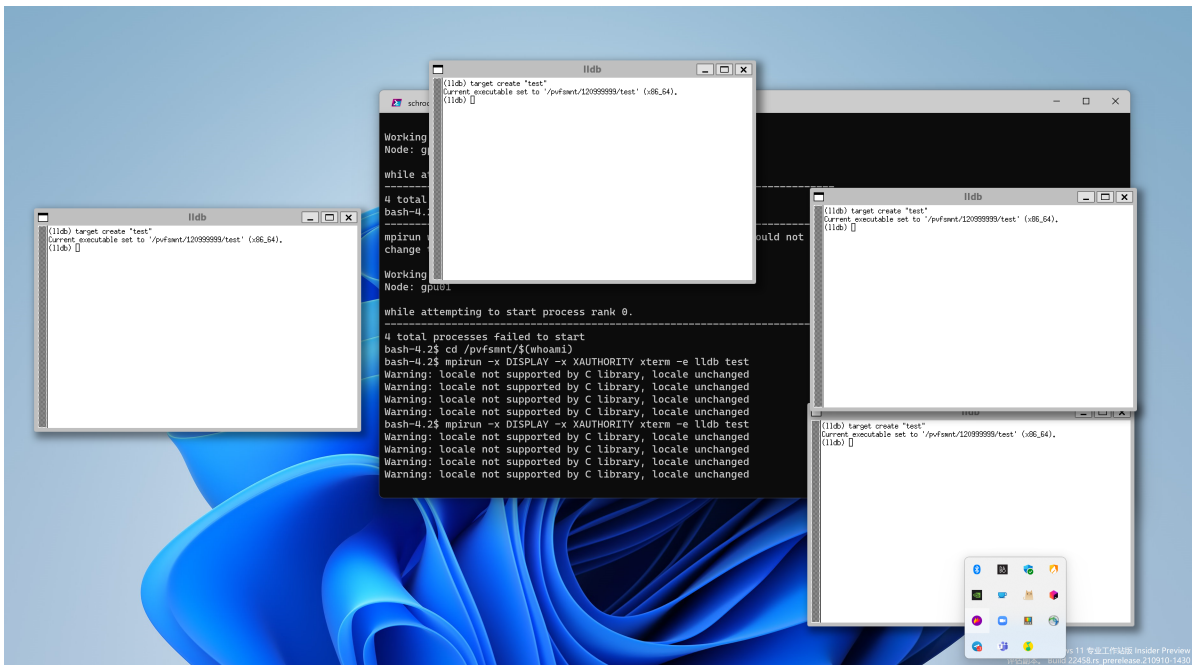
Allocate a debugging session:

```
salloc -n4 -t10
```

(sorry for your having at most 10 minutes to use; but this is the best we can do for now.)

Start mpirun with LLDB/GDB and XTERM (assuming that you have compiled a mpi program called `test` under your pvfs directory)

```
mpirun -x DISPLAY -x XAUTHORITY xterm -e lldb test
```

You can now debug in parallel!