



## NotesOnGLite-30+MPI < LCG < TWiki

```
        lrmstype,
        "lsf or pbs",
        helper_id);
    }

    // Mandatory
    // node number is mandatory for the mpich job
    int nodenumber;
    try {
        nodenumber = jdl::get_cpu_number(*m_ad);
    } catch (jdl::CannotGetAttribute& a) {
        nodenumber = jdl::get_node_number(*m_ad);
    }

    if (is_blahp_resource || is_condor_resource) {
        jdl::set_remote_remote_nodenumber(*result, nodenumber);
    }

    std::string nn(boost::lexical_cast<std::string>(nodenumber));

    globusrs1.append("(count=");
    globusrs1.append(nn);
    globusrs1.append(")(hostCount=");
    globusrs1.append(nn);
    globusrs1.append(")");

    std::string exec;
    std::string::size_type pos = executable.find("./");
    if (pos == std::string::npos) {
        exec.append(executable);
    } else {
        exec.append(executable.substr(pos+2));
    }

    jw.reset(new JobWrapper(exec));
    if (llrmstype == "lsf") {
        jw->set_job_type(MPI_LSF);
    }
    else if ((llrmstype == "pbs") || (llrmstype == "torque")) {
        jw->set_job_type(MPI_PBS);
    }
    else {
        // not possible;
    }
    jw->nodes(nodenumber);
}
```

-- RichardDeJong - 14 Jun 2006

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