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Subject: MPI and U++

Posted by [thundurstruck](#) on Mon, 21 Mar 2011 19:00:29 GMT

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Hi Folks - Does anyone have experience using u++ with MPI on a linux cluster? I'm interested in decomposing and processing very large (80GB) flat files.

Thanks,  
Chuck

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Subject: Re: MPI and U++

Posted by [dolik.rce](#) on Mon, 21 Mar 2011 19:58:45 GMT

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thundurstruck wrote on Mon, 21 March 2011 20:00Hi Folks - Does anyone have experience using u++ with MPI on a linux cluster? I'm interested in decomposing and processing very large (80GB) flat files.

Thanks,  
Chuck  
Hi Chuck

I have learned a bit of MPI a while back, but I never used it with U++. To tell the truth, I never used it for anything useful, it was just a part of university course. Anyway, using it with U++ should not be much different from using it from any other C++.

I'd just like to warn you. I personally think that MPI is very hostile, unelegant and ugly interface. IMHO the only type of the applications that actually benefit from using MPI are tasks where a lot of rapid interaction between nodes and/or where some sort of organised structure/hierarchy is desired. MPI is great e.g. for computing differential equations on grid, when you set each node to represent one point of the grid. But for simpler cases, like processing a huge files part by part, MPI is IMHO just overhead and simpler solution usually exists. But that is just my opinion of course.

If you wish to discuss the details of your project (preferably via icq/IRC/PM...), I might help you to decide which way to go, based on your actual needs.

Best regards,  
Honza

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