
Subject: Re: IDL on supercomputing cluster?
Posted by [edkase](#) on Wed, 26 Dec 2007 16:19:20 GMT
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Sid,

FastDL (<http://www.txcorp.com/products/FastDL/>) from Tech-X Corporation enables IDL processing in a cluster computing environment for your Linux system. Our solution has not been ported to any Alpha-based systems. FastDL supports two methods of parallel computing.

1) TaskDL supports task farming, a form of parallel computing where the processes do not need to communicate while computations occur. You may combine the results at the end. An example application would be rendering frames of an animation in separate processes, and then combining the sequence of frames into a movie. Other examples would include parameter sweeps or Monte Carlo simulations.

2) mpiDL supports full interprocess communication during computations using the Message Passing Interface (MPI). For example, you may process tiles that are a subset of a larger image and need to communicate values along the edges of neighboring tiles to ensure a consistent result when the larger image is viewed in total.

If you have interest in these solutions, please contact sales@txcorp.com. Thank you.

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On Dec 24, 3:18 am, Sid <malu.s...@gmail.com> wrote:

> Hello,
>
> I am wondering if it is at all possible for IDL to thread processes in
> a supercomputing cluster.
>
> Here are the specifications of the clusters:
>
> 1. 64 bit 16 quad AMD Opteron (Rev F) 2218 Dual Core Processors, 2.60
> Ghz; total 16*16GB RAM, Loading Sharing Facility (LSF) with Simple

> Linux Utility for Resource Management (SLURM)
>
> 2. 64 bit 8x4 AlphaServer ES45 68/1250 Systems, 1.25 GHz; total 76GB
> RAM on 8 nodes
>
> Thanks very much.
