



Test Applications on HPC Cluster: Nor-Tech Offers No-Cost Demo

MINNEAPOLIS, March 25, 2020 /PRNewswire-PRWeb/ Nor-Tech, the leading HPC technology integrator, is offering complementary trials of the most in demand HPC applications, utilities and hardware on its demo clusters. Examples of results include a pharmaceutical company that learned it could reduce the time for a single run from 3 days to 9 hours. Other users are astonished at the difference higher fidelity modeling makes.

One of the demo clusters is integrated with the latest Intel processors and the other is integrated with the latest AMD processors for comparison. The onboarding process is simple and straightforward.

The list of available applications and hardware is long; examples include:

- Applications: ANSYS Fluent – CFD, ANSYS: Mechanical – FEA, ANSYS: CFX – CFD, Converge CFD, Simulia: Abaqus – FEA, COMSOL Multiphysics, OpenFOAM, etc.
- Utilities: NICE DCV and EnginFrame, Ganglia, IPMI management, Bright Cluster Manager, Intel Compilers & Libraries, OpenHPC, Altair PBS Pro & PBS Pro Open, Open OnDemand, etc.
- Cluster Hardware: Latest NVIDIA GPUs, latest AMD EPYC CPUs, latest Intel Xeon CPUs and accelerators, latest low latency fabrics, and latest low latency flash storage
- Life Sciences Platforms: multiple platforms from multiple partners

In some cases, users can run their own applications on Nor-Tech's demo clusters.

Nor-Tech is currently the only company able to integrate Open OnDemand into OpenHPC. Open OnDemand enables even those without HPC expertise to take advantage of the significant cost-savings of open source.

Nor-Tech Executive Vice President Jeff Olson said, "The demo cluster allows organizations to test the type of jobs they run daily on a distributed parallel environment. It gives them an accurate cost/benefit analysis of upgrading from a workstation to high performance computing. It's not just whether or not there is a benefit, but exactly how much the benefit will be."

The demo cluster onboarding process involves coordination between Nor-Tech's engineering staff and the users' staff. Once the job is loaded into the cluster, the organization will have the answers it needs in two to five days in the form of actual graphs comparing past performance with performance on an HPC cluster. When requested, Nor-Tech will sign a non-disclosure agreement.

"Once they see the results, the only thing stopping some organizations from upgrading to a cluster is lack of training," Olson said. "Nor-Tech does a lot of training during the testing period—showing people how best to use a cluster. With the right help, learning to use a cluster is as easy as learning to use a printer. In reality, anyone—even someone with no technology expertise—can easily learn how to use a cluster."

Nor-Tech's engineering staff is available to walk new clients through the process onsite or offsite and is always accessible during business hours for responsive phone/email support.

Nor-Tech is on CRN's list of the top 40 Data Center Infrastructure Providers along with IBM, Oracle, Dell, and Supermicro and is also a member of Hyperion Research's prestigious HPC Technical Computing Advisory Panel. The company is a high performance computer builder for 2015 and 2017 Nobel Physics Award-contending/winning projects. Nor-Tech engineers average 20+ years of experience. This strong industry reputation and deep partner relationships also enable the company to be a leading supplier of cost-effective Lenovo desktops, laptops, tablets and Chromebooks to schools and enterprises. All of Nor-Tech's high performance technology is developed by Nor-Tech in Minnesota and supported by Nor-Tech around the world. The company is headquartered in Burnsville, Minn. just outside of Minneapolis. Nor-Tech holds the following contracts: Minnesota State IT, GSA, University of Wisconsin System, and NASA SEWP V. To contact Nor-Tech call 952-808-1000/toll free: 877-808-1010 or visit <https://www.nor-tech.com>. Full release at: <https://www.nor-tech.com/category/news/>. For media inquiries, contact Jeanna Van Rensselar at Smart PR Communications; jeanna@smartprcommunications.com 630-363-8081.